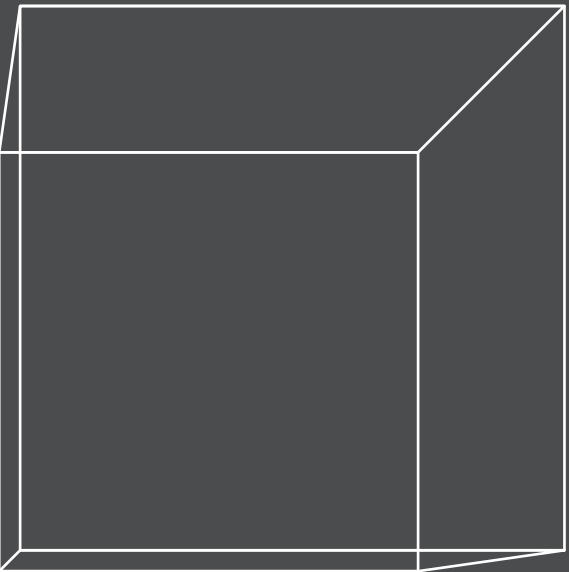
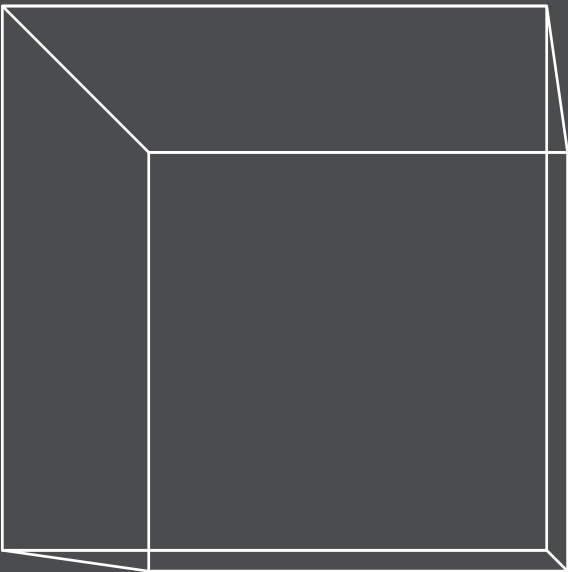


TOSTEM

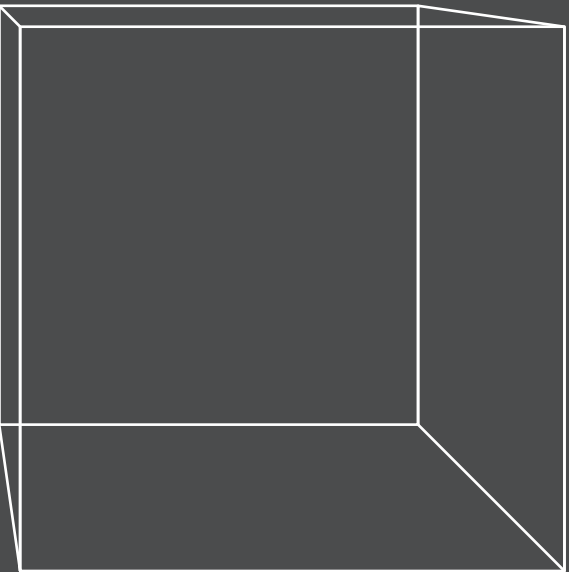
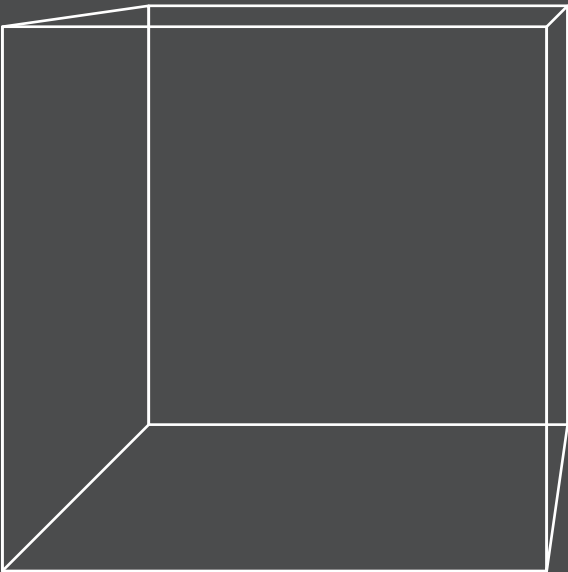
TOSTEM

PRODUCT COLLECTION

2025



C O N N E C T I N G S P A C E S O F L I V I N G



TOSTEM

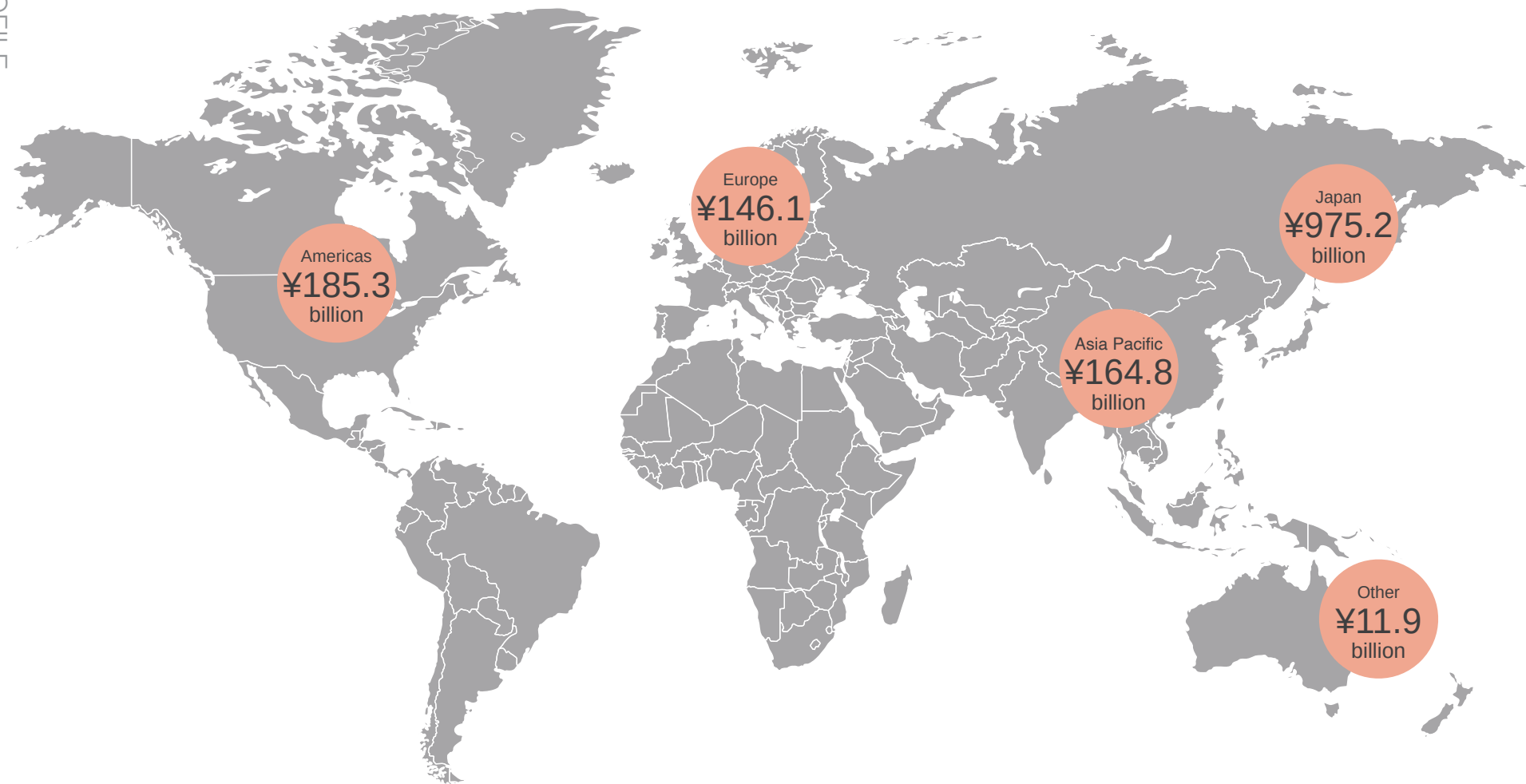
PART OF LIXIL

International Market Sales
TOSTEM THAI CO.,LTD.
60/2 Soi Navanakorn 11, Navanakorn Zone2, Moo19, Phaholyothin Road,
Klongnueng, Klong Luang, Pathum Thani 12120, THAILAND
Tel: +66-2529-0471-5 Ext.1802
www.tostemthailand.com

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Revenue
¥1,483.2 billion



Business in over
150 COUNTRIES
 WORLDWIDE

Production bases
78 FACTORIES

Employees
 APPROX. **49,300**

Granted patents and
 design rights
 OVER **13,000**

Major design centers
6

Supporting the daily lives
 OVER **1 billion** PEOPLE

Making Better Homes A Reality for Everyone, Everywhere

LIXIL GROUP

A better home is made up of surprisingly simple things – showers and faucets to experience water in new ways; kitchens that unleash creativity; toilets that provide cleanliness and comfort; doors and windows that connect you with the world outside; interiors and exteriors that bring spaces to life; baths to escape in after a long day. We make that possible with pioneering water and housing products. We are proud that our products touch the lives of more than a billion people every day, and believe we have the potential to do so much more.

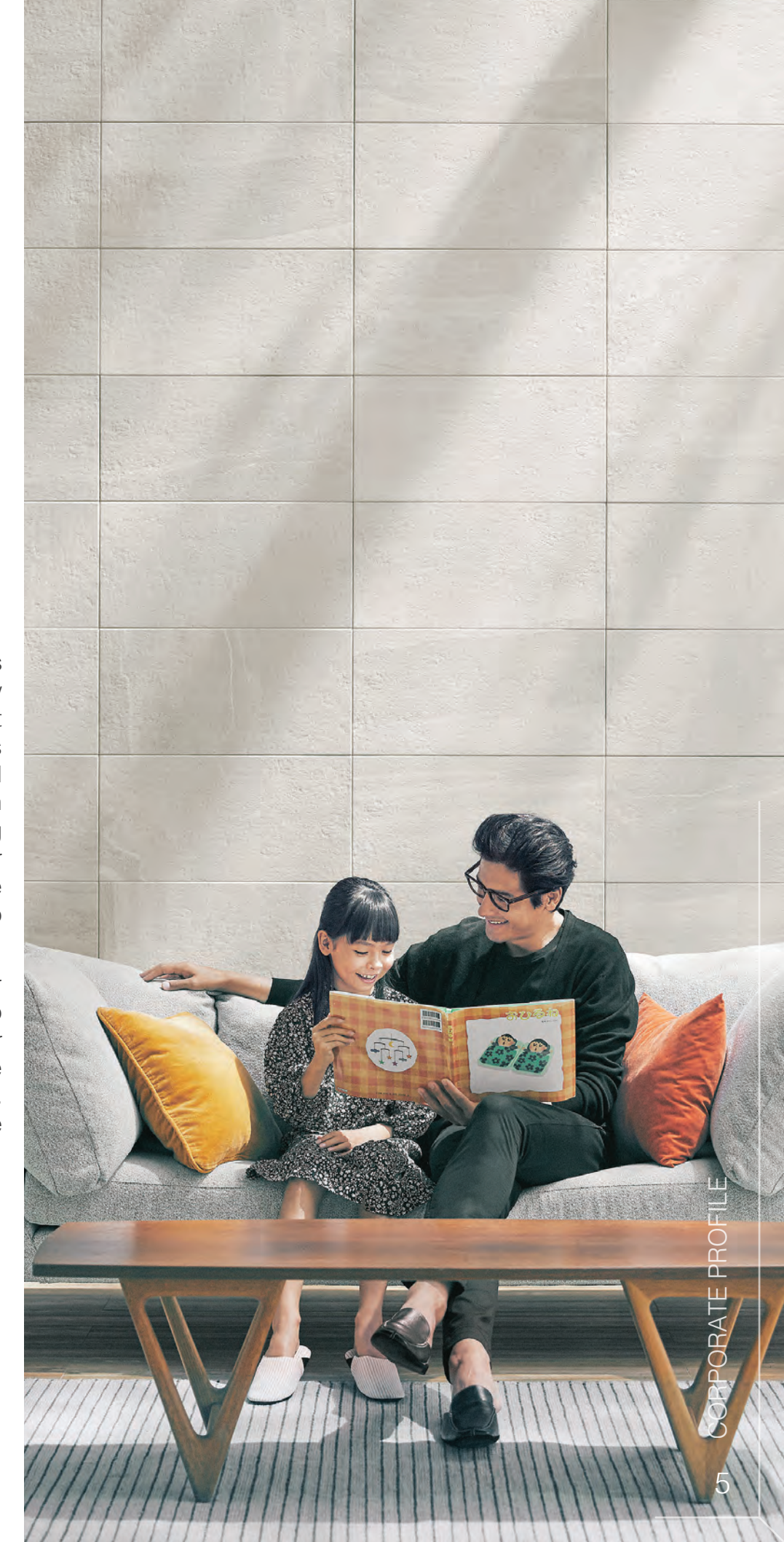
LIXIL's Purpose is the north star that guides our employees in making decisions and inspires us to become a more agile, entrepreneurial company for sustainable growth. The LIXIL Behaviors are how we engage in our work every day to realize our Purpose. Together, they form the heart of our Corporate Philosophy.

TOSTEM

*American
Standard*



INAX



At TOSTEM, we believe a well-designed home brings comfort, clarity, and connection to everyday life. Our products are crafted to blend form and function, making living feel effortless.

From the first sketch to final assembly, we manage every step, ensuring lasting quality and consistent performance.

We're guided by a simple belief: Homes should live in harmony with nature. Innovation should enhance the everyday. Design should feel just right. And quality should be both seen and felt.

CONNECTING SPACES OF LIVING

Rooted in Japanese wisdom, TOSTEM reimagines how spaces connect. With precise craftsmanship and modern elegance, our interiors flow in harmony, designed to align seamlessly with other TOSTEM series for a unified living experience.



Guided by our sustainable principle:

Harmony with the Environment

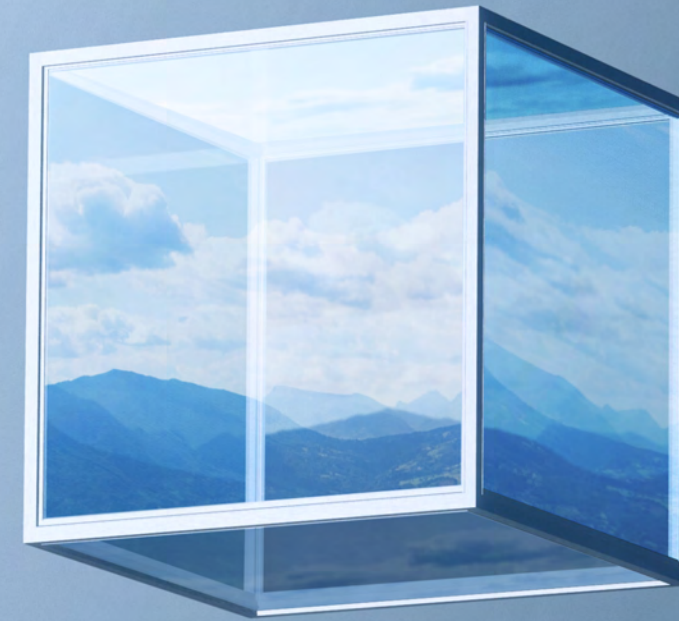
PremiAL^{R100}

RECYCLED LOW-CARBON ALUMINUM

JAPAN'S FIRST 100% RECYCLED ALUMINUM

PremiAL R100 by LIXIL HOUSING TECHNOLOGY, under the TOSTEM brand, is Japan's pioneering low-carbon aluminum building material made entirely from recycled aluminum. This innovative product contributes to reducing CO₂ emissions and lessening the environmental impact of buildings.

**PREMIAL R100: REDEFINING SUSTAINABLE
BUILDING MATERIALS**



Built upon our foundation:

Innovation for Home & Living Inspiration

With people and their better quality of living at our core, we are constantly aware of how they live, by anticipating social change and needs of time. We continually pursue innovation that makes good living a reality for all.

TOSTEM's unique TEXGUARD anodized finish gives a high level of protection, alongside showing the beautiful appearance of natural Aluminum. TOSTEM offers a wide range of color variations, which allows you to enjoy its lifelong beauty, adding happiness to your lifestyle.

NATURAL WHITE

NATURAL SILVER

SHINE GRAY

AUTUMN BROWN

DUSK GRAY

NATURAL BLACK

CERTIFICATION

JIS H 8602: 2010, JIS H 4100: 2015, TIS 218-2520 (1977), TIS 284-2560 (2017), AAMA 612, ISO 9001: 2015, ISO 14001: 2015, ISO 17025: 2018



Aluminum base material

Anodized coating

TEXGUARD layer

BENEFIT OF TEXGUARD

Color Retention - TEXGUARD protects the Aluminum against harsh environmental conditions, making the color gloss stay for at least 40 years.

Increased Hardness - Dense coating of TEXGUARD improves hardness and provides scratch resistance for the Aluminum surface.

Ease of Cleaning - Dust and dirt accumulation resistance quality of TEXGUARD makes the task of cleaning the surface less effort.



Driven by our philosophy:

Design for Good Living Space

We know that home can be and mean so much for people. We design our product to enhance the quality of a space allowing home residents to be connected, to be inspired and to feel comfortable through the harmonious experience to outside.

L-FIT DESIGN

L-Fit is a handle design that “Fits” in with “Living Life.” This standardized design for the handles of windows and entrance doors creates a sense of uniformity and comfort in living space.

L-Fit has been recognized with multiple design awards including the prestigious German Design Award, Red Dot Award, Good Design Award and iF Design Awards.

Experience the perfect combination of design and function with TOSTEM L-Fit.



Defined by what we stand for:

Quality Desired by Home Resident

We consider to ensure quality through the entire process and usage, from the product design development and production. With responsibility and pride, we pursue our production with a commitment to deliver the best quality for all home residents.

QUALITY ASSURANCE

Quality assurance is at the core of TOSTEM's products. Japan is renowned for its rigorous quality control systems, which ensure that products meet international standards such as the Japanese Industrial Standard (JIS) and ASTM International. Tests include water penetration, sound insulation, air leakage, structural performance, durability, environmental testing, light irradiation, and sunshine weather testing.



PRE-ENGINEERED SYSTEM

TOSTEM's products are designed, manufactured, and assembled using a pre-engineered system that strictly adheres to quality control standards. This system incorporates extrusion dies, aluminum billets, coatings, and hardware assembly processes that are all performed in TOSTEM's factory. The primary advantage of this system is the ability to achieve consistent quality in window production. With just a simple screwdriver, anyone can repeatedly build the same high-quality window system.



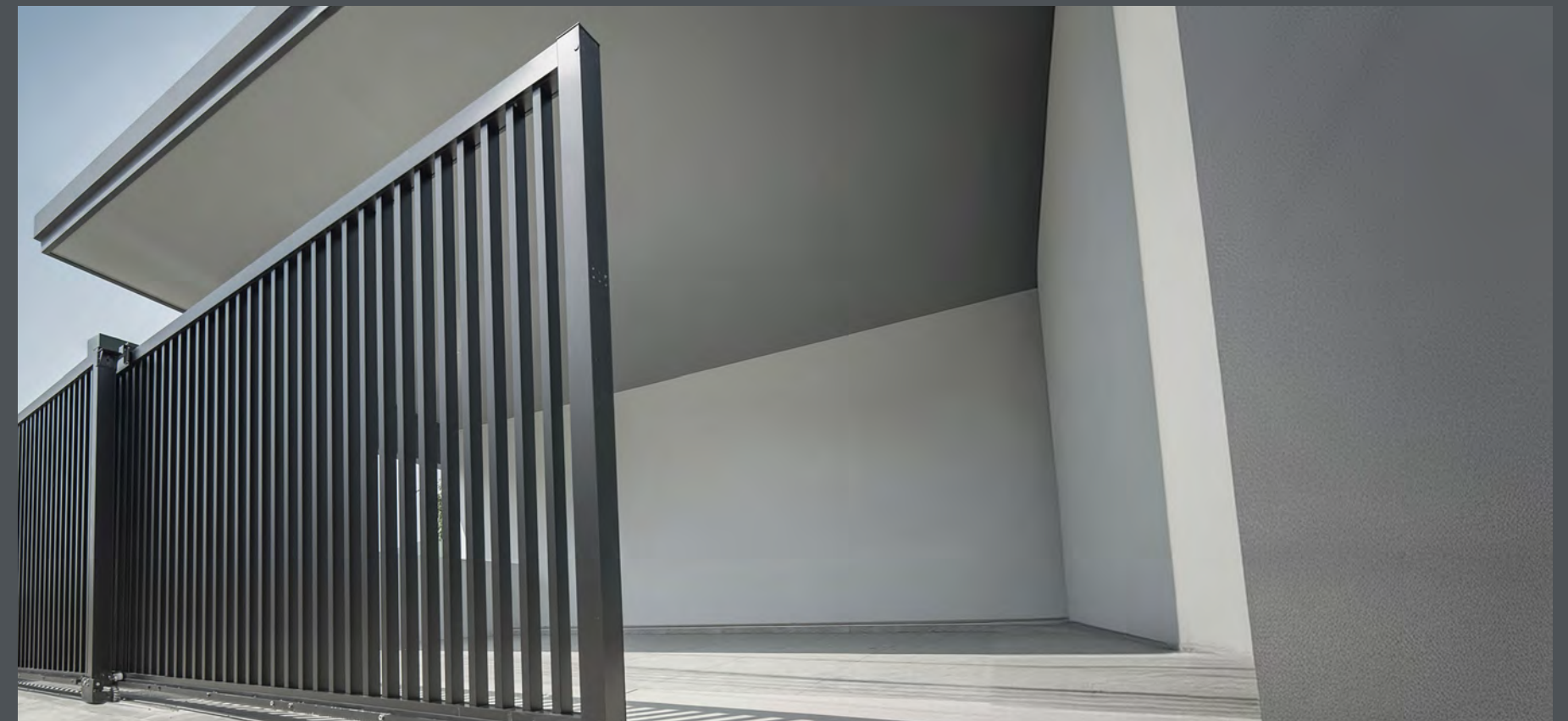
ALUMINUM WINDOW & DOOR Category



ALUMINUM INTERIOR Category



ENTRANCE DOOR Category

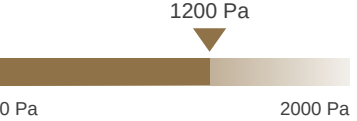
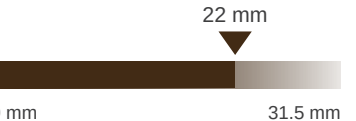
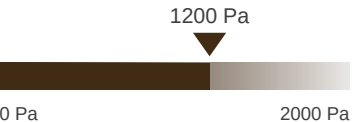
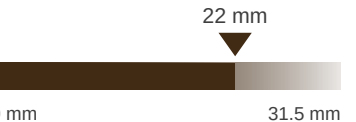
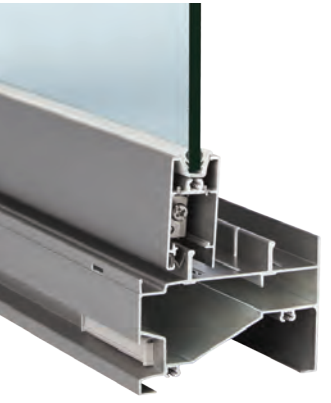
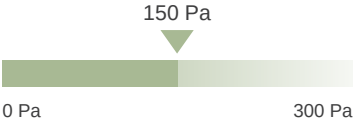
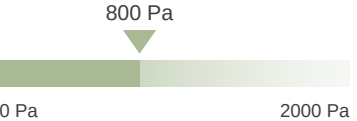
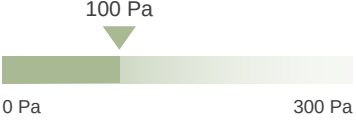


ALUMINUM EXTERIOR Category



ALUMINUM WINDOW & DOOR Category

Aluminum Window & Door Category

		FRAME DEPTH / HEIGHT OF SILL	WATER TIGHTNESS PERFORMANCE	WIND LOAD PERFORMANCE	GLASS APPLICATION
GRANTS SERIES 	GRANTS PLUS	Frame depth : 101.6 / 120 / 178 mm Height of sill : 50 mm ASTM Rating			
	GRANTS	Frame depth : 101.6 / 120 / 178 mm Height of sill : 50 mm JIS Rating			
ATIS SERIES 	ATIS PLUS	Frame depth : 88 / 131.5 mm Height of sill : 55 mm ASTM Rating			
	ATIS	Frame depth : 88 / 131.5 mm Height of sill : 55 mm JIS Rating			
WE SERIES 	WE PLUS	Frame depth : 72 / 104 mm Height of sill : 35 mm / 50 mm ASTM Rating			
	WE 70	Frame depth : 72 / 104 mm Height of sill : 35 mm JIS Rating			
	WE 40	Frame depth : 41 mm Height of sill : 35 mm JIS Rating			



GRANTS Series

MASTERING THE ART OF LIVING SPACE

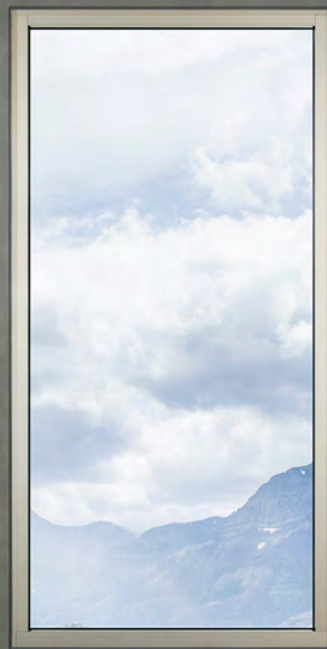
GRANTS Series is designed and engineered to redefine boundary of living space. Unbound the view of the world with panoramic doors. With seamless and innovative designs that allow you to own the breathtaking view of the world.



UNIQUE FEATURES



AWNING WINDOW



FIXED WINDOW



CASEMENT WINDOW



A PERFECT BALANCE OF LIFE'S PERSPECTIVE

Symmetrical frame design for perfect balance of artistic perspective.

PERFECT FIT

L-Fit is designed to fit every living style. Create for the most comfort feeling that comes with advanced design and function.

FLAT RAIL SLIDING

Bonding harmony with the environment, GRANTS Flat Rail Sliding Doors come in vast size up to 4.5 meters high that allow you to own a breathtaking view.

HEIGHT UP TO 4.5 METERS



GRANTS



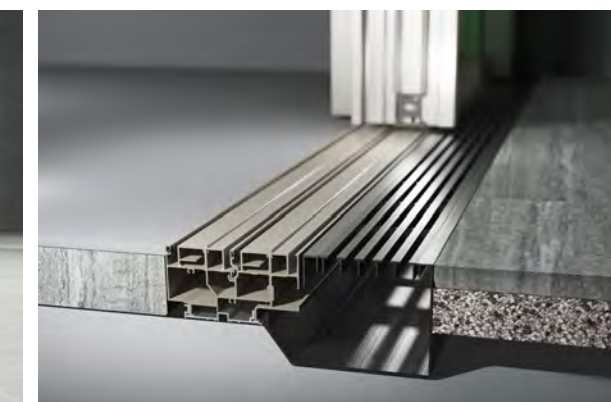
CONVENTIONAL

ABSOLUTE SEAMLESSNESS

Sophisticate design that maximize your view with overlapping design that visually reduce stile by half.



*Only available for GRANTS series



BUILD FOR BOUNDLESS

Flat sill rail designed for cleanness and smoothest transition between inside and outside.



CORNER SLIDING

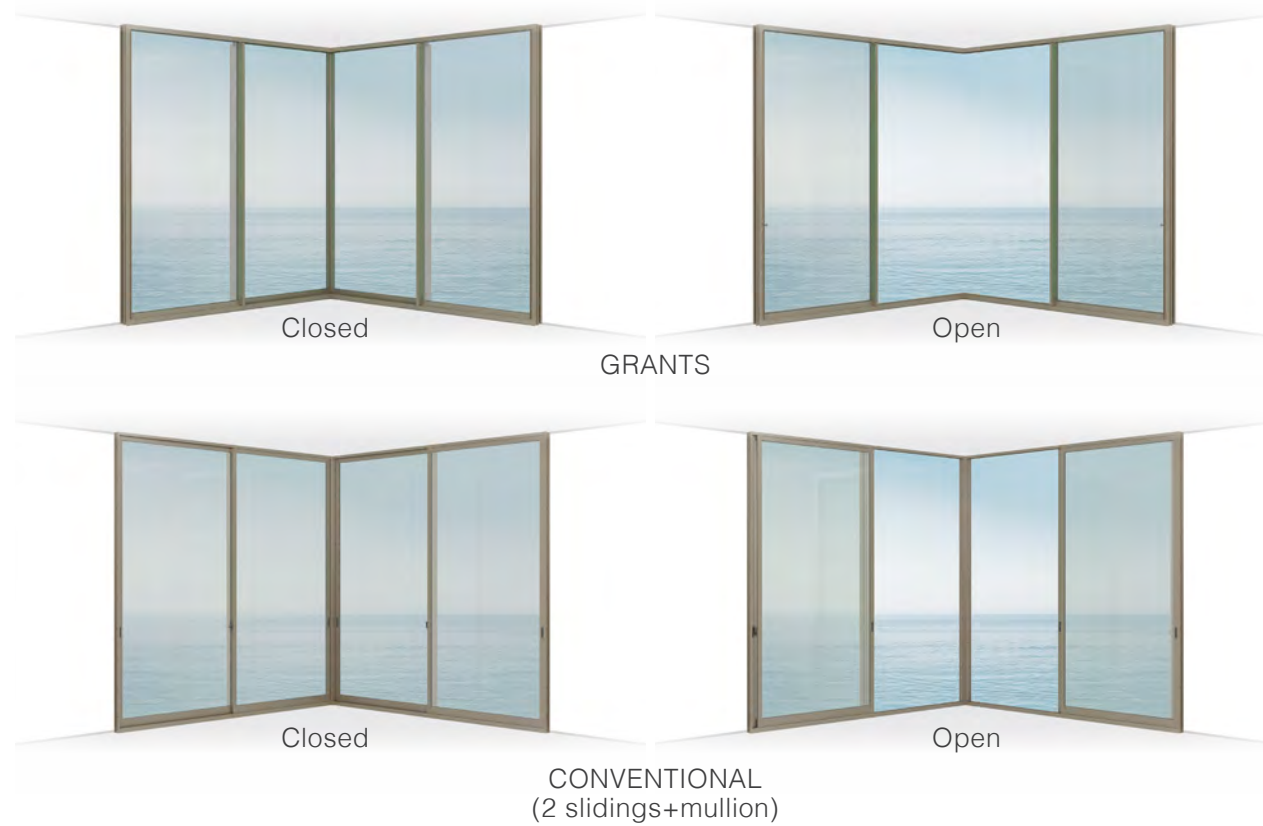
An innovative solution creates unrestricted panoramic views and the ultimate living space with an open corner.



INTEGRATED SCREEN SYSTEM

LESS FOR MORE

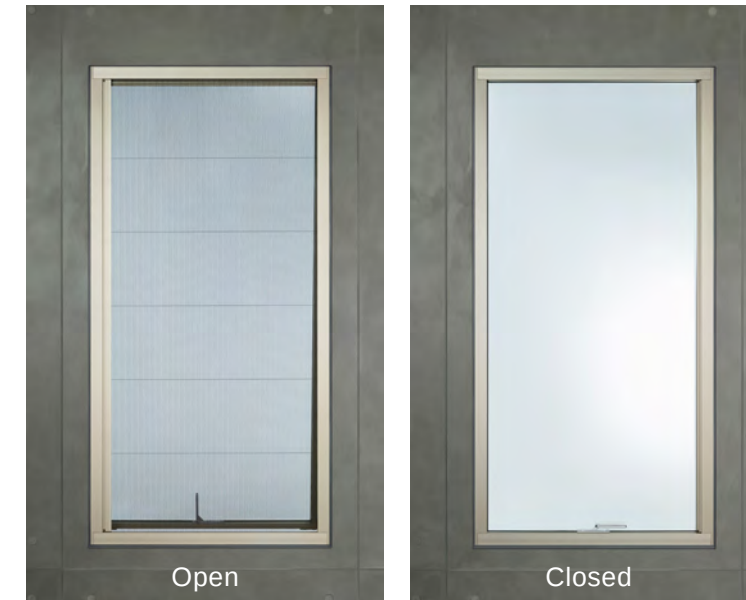
Integrated insect screen system combines the best functions to provide obstruction free vision for better view. When recessed, the screen is completely embedded in the frame.



LIMITLESS BEAUTY OF YOUR SPACE.

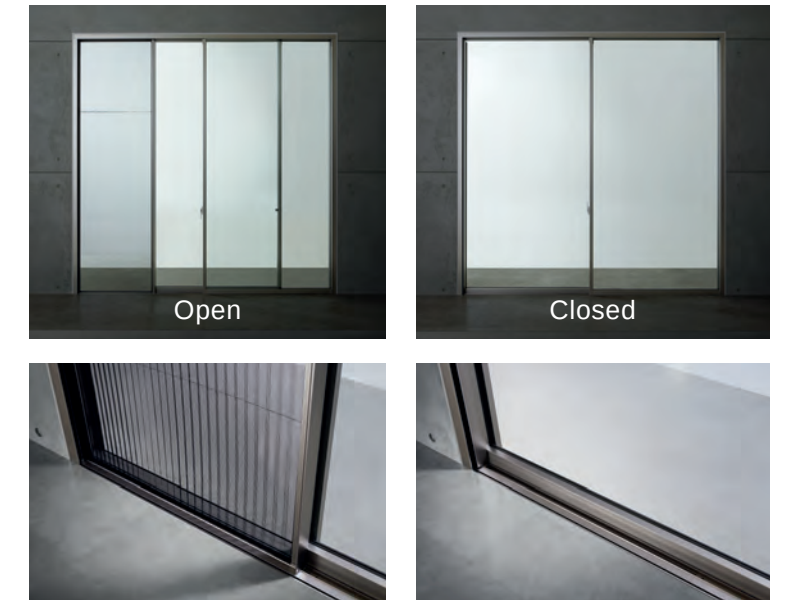
GRANTS corner sliding doors allow you to open an entire corner of a room to the outside. Perfect for open plan living, maximizing light for spacious space.

*Only available for GRANTS series



FOR CASEMENT / AWNING / SWING DOOR

The screen is integrated into the inner rail of the window. It will be supplied with a maximum height of 3.5 m and completely covers the width of the windows.



FOR SLIDING DOORS

The screen is integrated into the inner or outer rail of the door. It will be supplied with a maximum height of 4.5 m and width of 80 cm.

GRANTS PLUS

Expansive views. Elevated living. Designed for mid to high-rise buildings, GRANTS PLUS maximizes glass surface for breathtaking panoramas. Innovation meets sophistication-redefining aluminum windows and doors at every level.



SPECIFICATIONS

GRANTS PLUS	
FRAME DEPTH	101.6 mm 120 mm (2 tracks sliding) 178 mm (3 tracks sliding)
HEIGHT OF SILL	50 mm

PERFORMANCES

	WIND PRESSURE	WATER TIGHTNESS	AIR TIGHTNESS	NOISE INSULATION
GENERAL GRANTS PRODUCT	2000PA (ASTM E330)	300PA (ASTM E331)	10.7M³/H.M² (ASTM E283)	T-1: 25DB (JIS A 1416)

COLORS

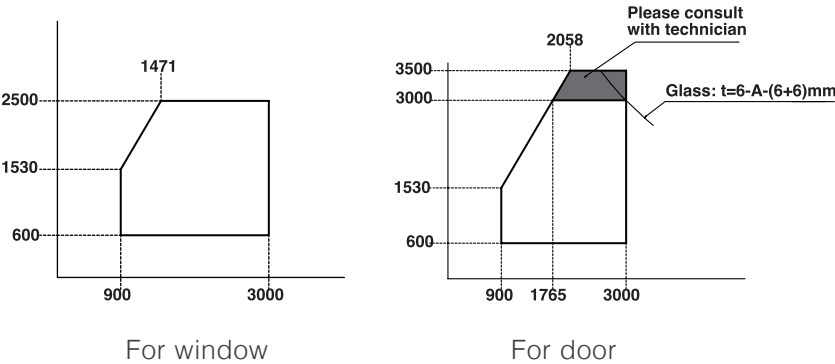
	NATURAL WHITE		NATURAL SILVER		SHINE GRAY		AUTUMN BROWN		DUSK GRAY		NATURAL BLACK
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GRANTS PLUS

SLIDING (2P2T)



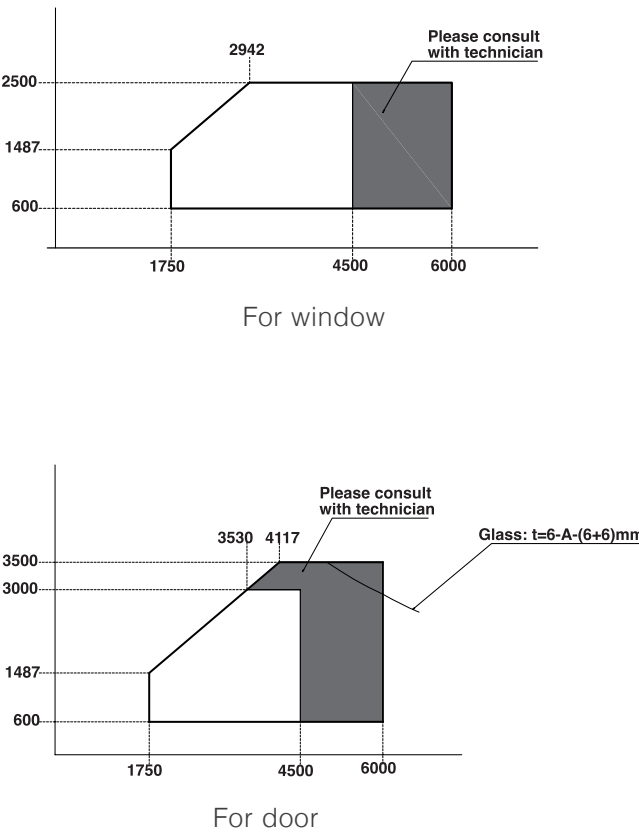
- Frame depth: 120 mm
- L-fit aluminum diecast handle (Optional)
- Select panel position from L/R
- Single slider (FS, SF) available
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - Other glass: Sealant



SLIDING (4P2T)



- Frame depth: 120 mm
- L-fit aluminum diecast handle (Optional)
- Select from (SSSS, FSSF)
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - Other glass: Sealant

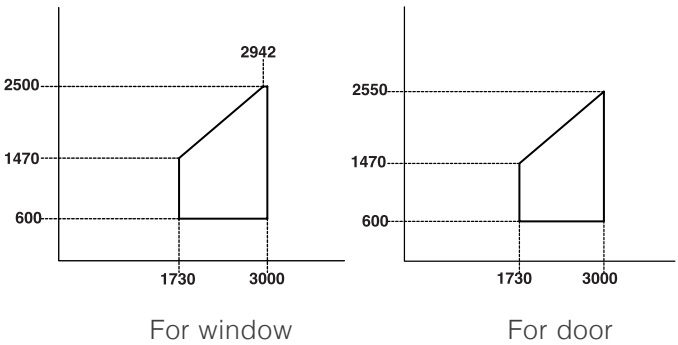


GRANTS PLUS

SLIDING (3P2T) SFS



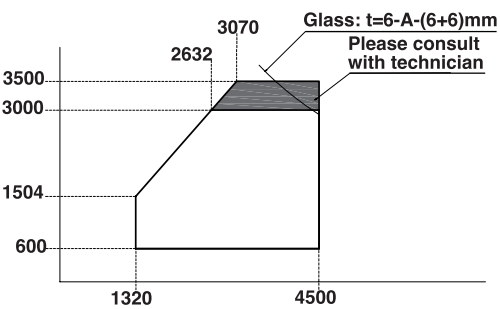
- Frame depth: 120 mm
- L-fit aluminum diecast handle (Optional)
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - Other glass: Sealant



SLIDING (3P3T)



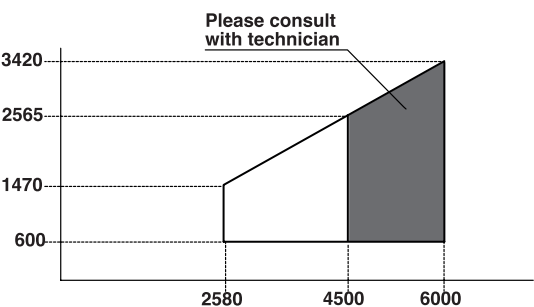
- Frame depth: 178 mm
- L-fit aluminum diecast handle (Optional)
- Select panel position from L/R
- Select from (SSS, FSS, SSF)
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - Other glass: Sealant



SLIDING (6P3T)



- Frame depth: 178 mm
- L-fit aluminum diecast handle (Optional)
- Select from (SSSSS, FSSSSF)
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - Other glass: Sealant

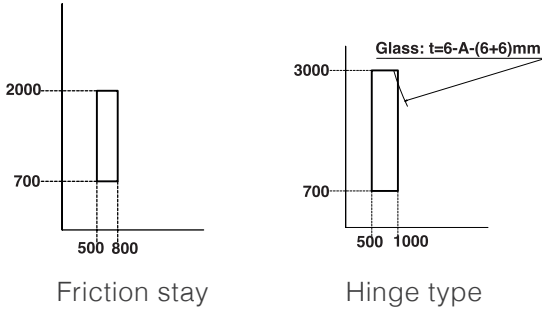


GRANTS PLUS

CASEMENT WINDOW



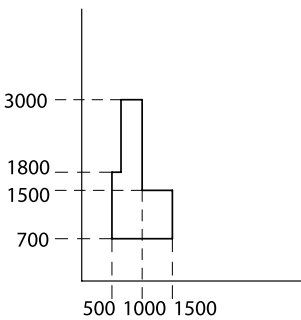
- Frame depth: 101.6 mm
- L-fit aluminum diecast handle
- Pleated insect screen available
- Select from L/R
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - 28 - 31.52 mm: Glazing channel
 - Other glass: Sealant



AWNING WINDOW



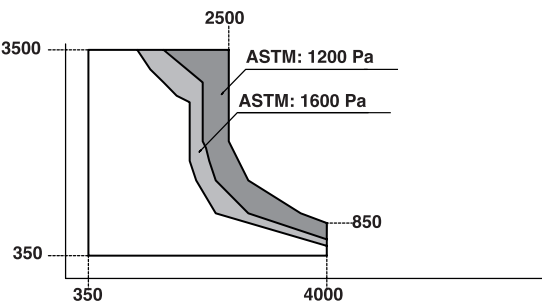
- Frame depth: 101.6 mm
- L-fit aluminum diecast handle
- Pleated insect screen available
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - 28 - 31.52 mm: Glazing channel
 - Other glass: Sealant



FIXED WINDOW



- For oversize fixed windows, please consult with our technician
- Glazing finish
 - 8 - 13.52 mm: Glazing bead
 - 25 - 31.52 mm: Glazing bead
 - Other glass: Sealant

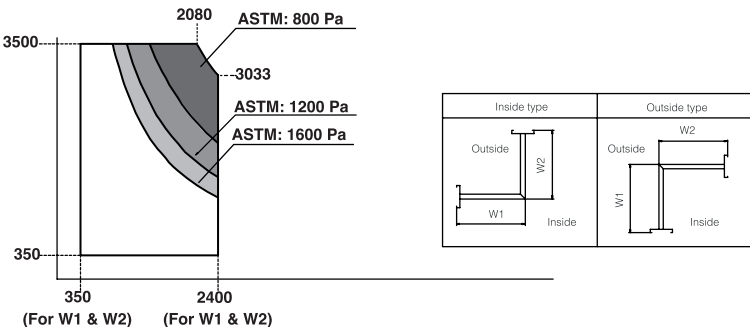


GRANTS PLUS

CORNER FIXED WINDOW



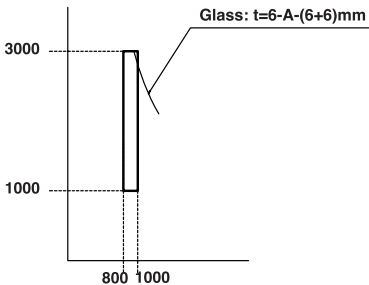
- Frame depth: 101.6 mm
- Only available in single glass
- Both in/outward corners available
- Glazing finish: Sealant



OUT SWING DOOR (SINGLE LEAF)



- Frame depth: 101.6 mm
- Door closer NOT available
- Select from L/R
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - 28 - 31.52 mm: Glazing channel
 - Other glass: Sealant



UNIT COMBINATION WINDOW



BOTTOM WINDOWS	TOP WINDOWS			
	SINGLE AWNING	SINGLE CASEMENT	SINGLE FIXED	SLIDING
SINGLE AWNING			●	
SINGLE CASEMENT			●	
SWING DOOR			●	
SINGLE FIXED	●	●	●	●
DOUBLE FIXED				●



GRANTS

Crafted for low-rise residences, GRANTS redefines living spaces with expansive glass panels, seamless lines, and a refined aesthetic. A perfect harmony of innovation and elegance, framing your home with timeless design and unobstructed views.



SPECIFICATIONS

	GRANTS	GRANTS FLAT RAIL & CORNER SLIDING DOOR
FRAME DEPTH	101.6 mm 120 mm (2 tracks sliding) 178 mm (3 tracks sliding)	120 mm (2 tracks sliding) 178 mm (3 tracks sliding)
HEIGHT OF SILL	50 mm	

PERFORMANCES

	WIND PRESSURE	WATER TIGHTNESS	AIR TIGHTNESS	NOISE INSULATION
GENERAL GRANTS PRODUCT	500PA - 1200PA (JIS A 1515)	W-3: 250PA (JIS A 1517)	A-4: 2M³/H.M² (JIS A 1516)	T-1: 25DB (JIS A 1416)
FLAT RAIL SLIDING	500PA - 1200PA (JIS A 1515)	W-2: 150PA (JIS A 1517)	A-4: 2M³/H.M² (JIS A 1516)	T-1: 25DB (JIS A 1416)
CORNER SLIDING				

COLORS

	NATURAL WHITE		NATURAL SILVER		SHINE GRAY		AUTUMN BROWN		DUSK GRAY		NATURAL BLACK
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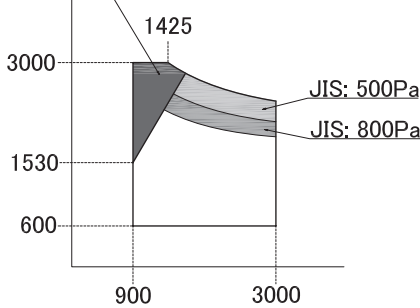
GRANTS

SLIDING (2P2T)



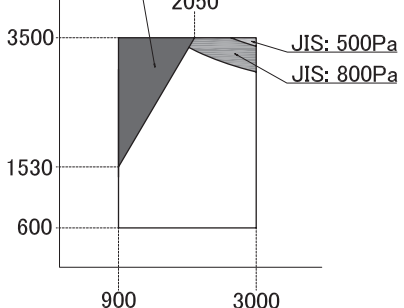
- Frame depth: 120 mm
- L-fit aluminum diecast handle (optional)
- Select panel position from L/R
- Pleated insect screen (optional)
- Single slider (FS, SF) available
- Select from panel type A to E
- Glazing finish
 - 8 to 13.52 mm : Glazing channel
 - Other glass: Sealant

Please consult with technician



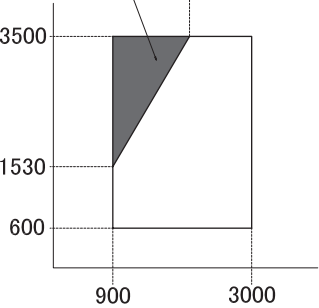
TYPE-A

Please consult with technician



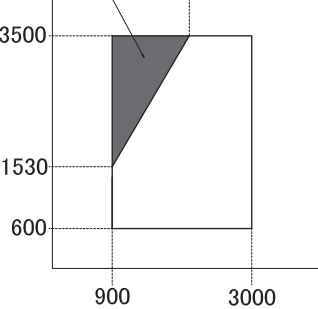
TYPE-B

Please consult with technician



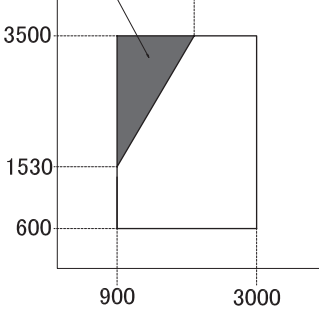
TYPE-C

Please consult with technician



TYPE-D

Please consult with technician



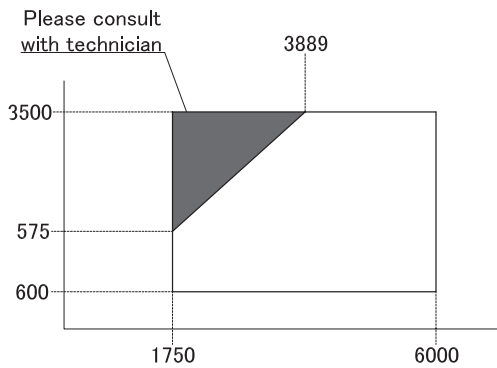
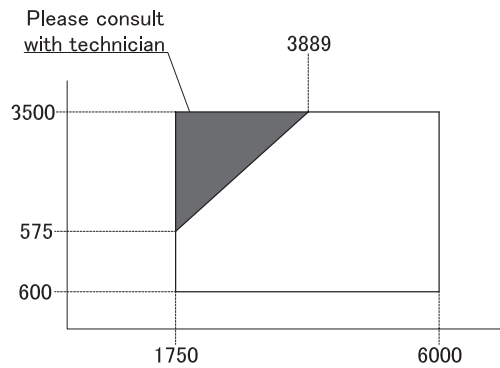
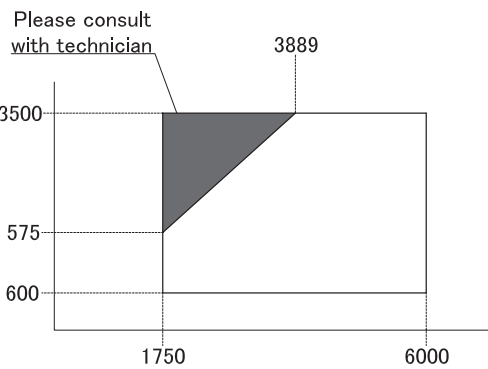
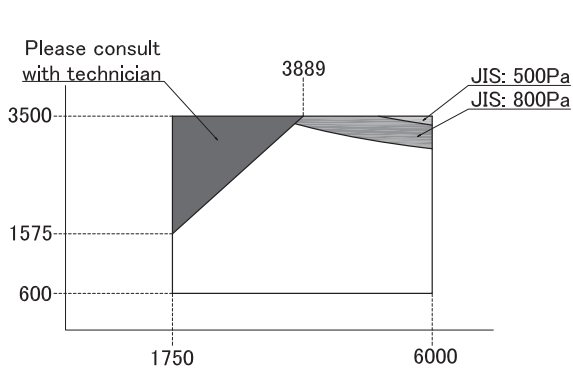
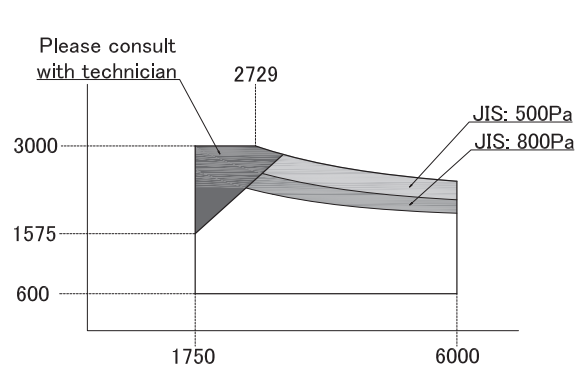
TYPE-E

GRANTS

SLIDING (4P2T)



- Frame depth: 120 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select from (SSSS, FSSF)
- Select from panel type A to E
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - Other glass: Sealant

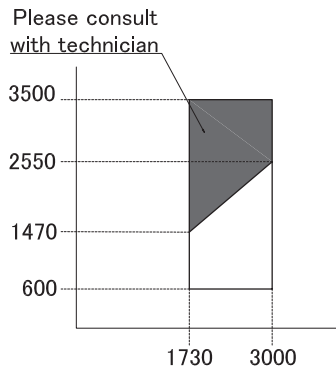
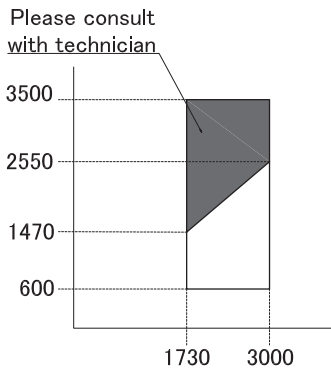
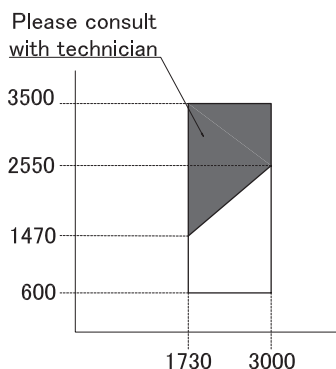
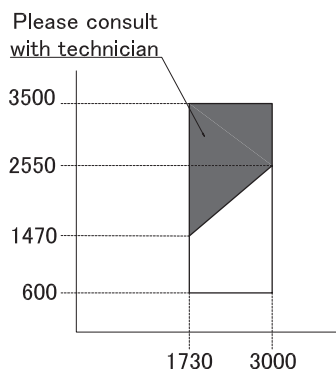
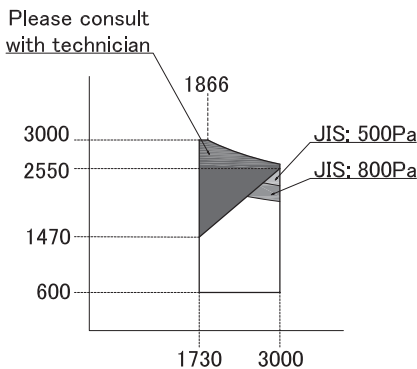


GRANTS

SLIDING (3P2T) SFS



- Frame depth: 120 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select from panel type A to E
- Glazing finish
 - 8 to 13.52 mm: Glazing channel
 - Other glass: Sealant

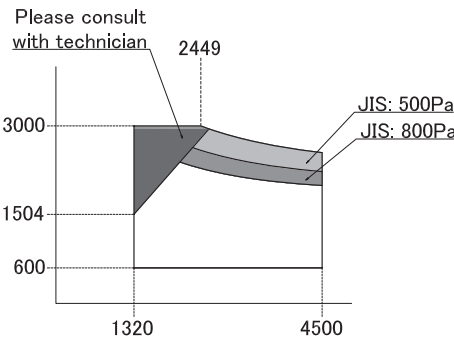


GRANTS

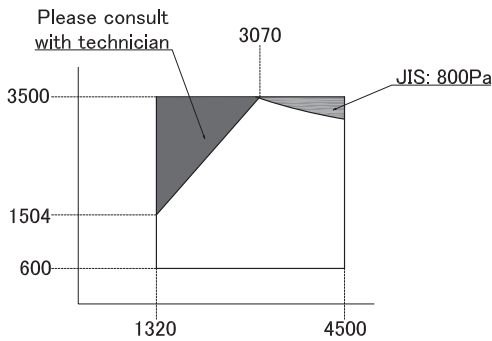
SLIDING (3P3T)



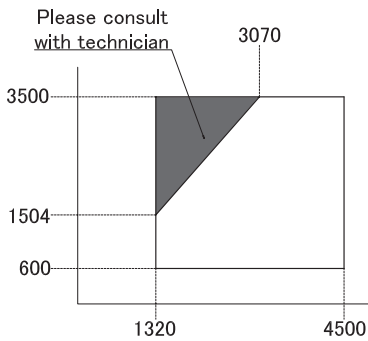
- Frame depth: 178 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select panel position from L/R
- Select from (SSS, FSS, SSF)
- Select from panel type A to E
- Glazing finish
 - ↳ 8 to 13.52 mm: Glazing channel
 - ↳ Other glass: Sealant



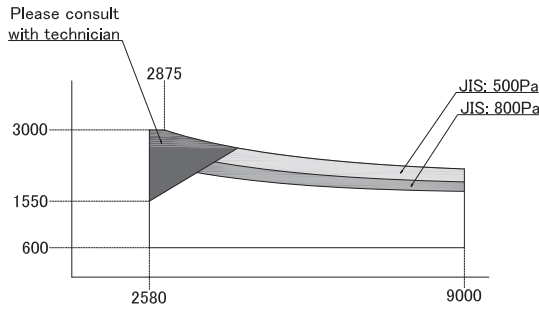
TYPE-A



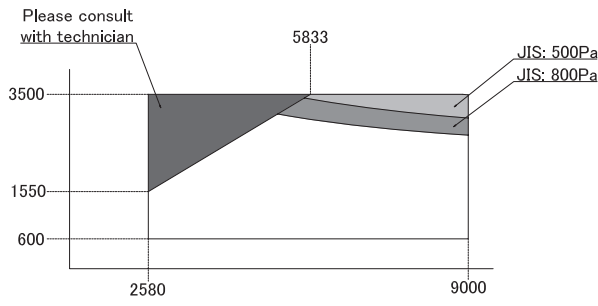
TYPE-B



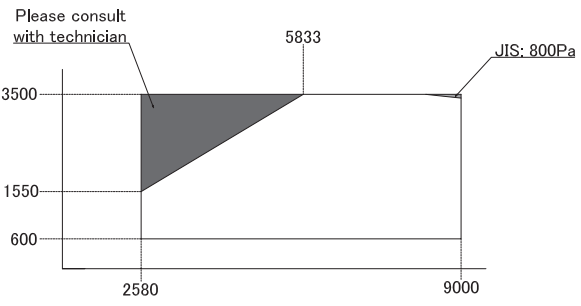
TYPE-C



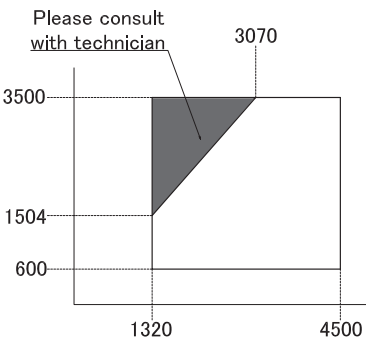
TYPE-A



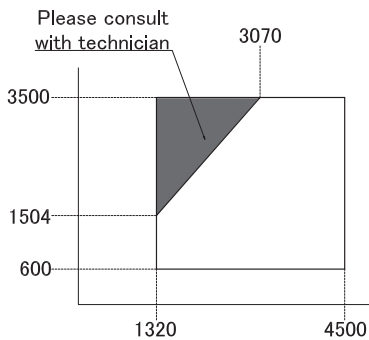
TYPE-B



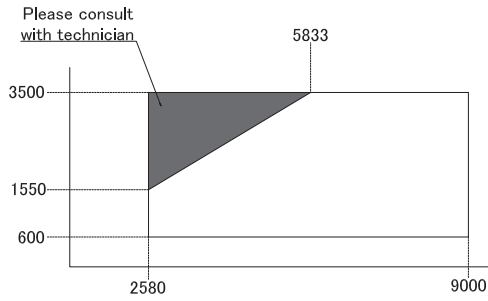
TYPE-C



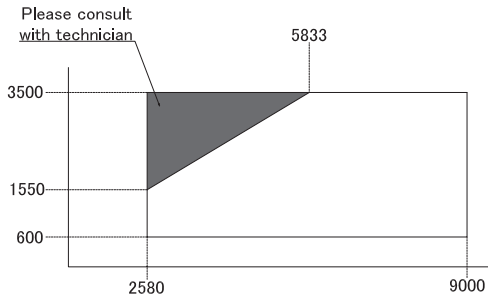
TYPE-D



TYPE-E



TYPE-D



TYPE-E

GRANTS

SLIDING (6P3T)



- Frame depth: 178 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select from (SSSSSS, FSSSSF)
- Select from panel type A to E
- Glazing finish
 - ↳ 8 to 13.52 mm: Glazing channel
 - ↳ Other glass: Sealant

GRANTS

FLAT RAIL SLIDING (2P2T)



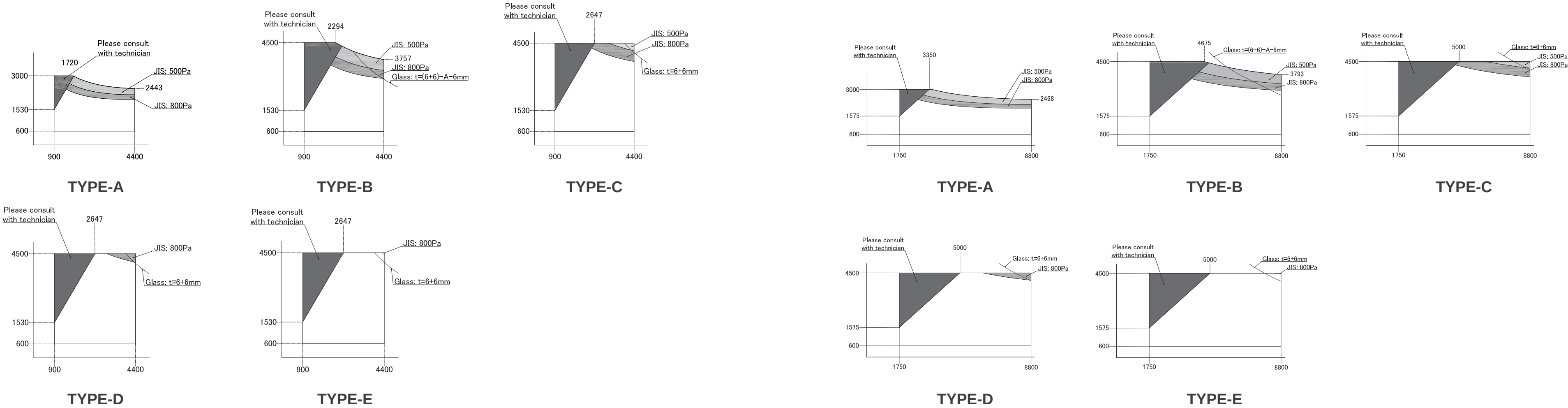
- Frame depth: 120 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select panel position from L/R
- Single slider (FS, SF) available
- Select from panel type A to E
- Glazing finish
 - 8 to 13.52 mm: Glazing channel
 - Other glass: Sealant

GRANTS

FLAT RAIL SLIDING (4P2T)



- Frame depth: 120 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select from (SSSS, FSSF)
- Select from panel type A to E
- Glazing finish
 - 8 to 13.52 mm: Glazing channel
 - Other glass: Sealant

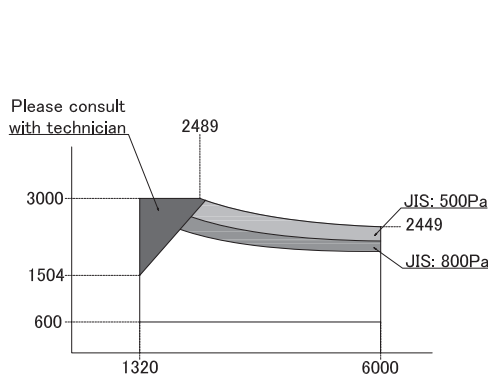


GRANTS

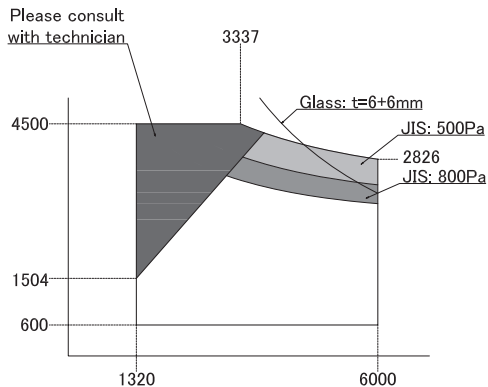
FLAT RAIL SLIDING (3P3T)



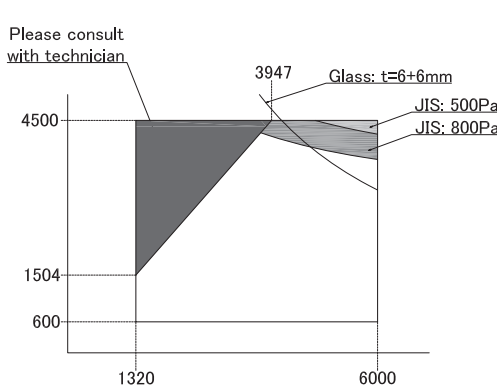
- Frame depth: 178 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select from (SSS, FSS, SSF)
- Select from panel type A to E
- Glazing finish
 - 8 to 13.52 mm: Glazing channel
 - Other glass: Sealant



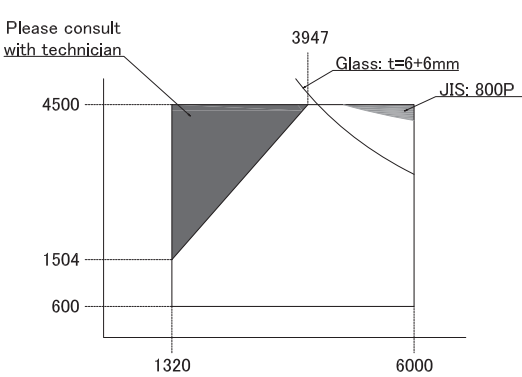
TYPE-A



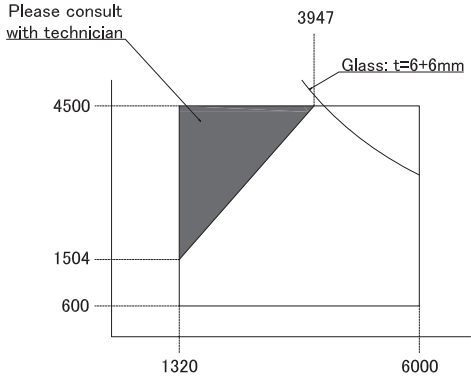
TYPE-B



TYPE-C



TYPE-D



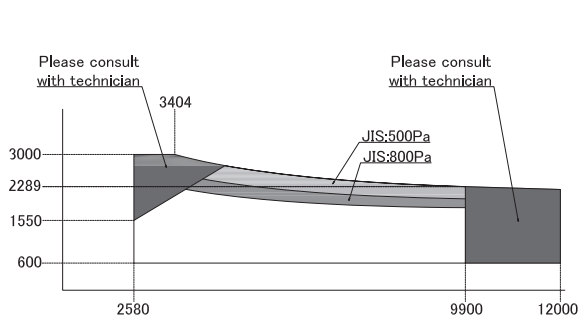
TYPE-E

GRANTS

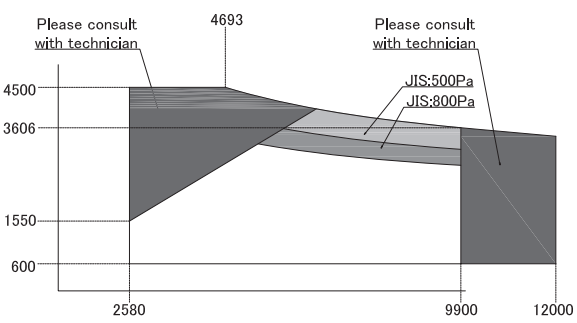
FLAT RAIL SLIDING (6P3T)



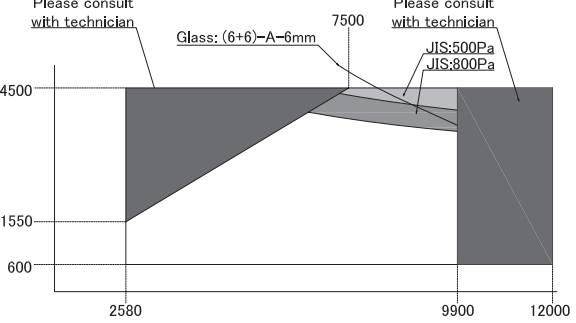
- Frame depth: 178 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select from (SSSSS, FSSSSF)
- Select from panel type A to E
- Glazing finish
 - 8 to 13.52 mm: Glazing channel
 - Other glass: Sealant



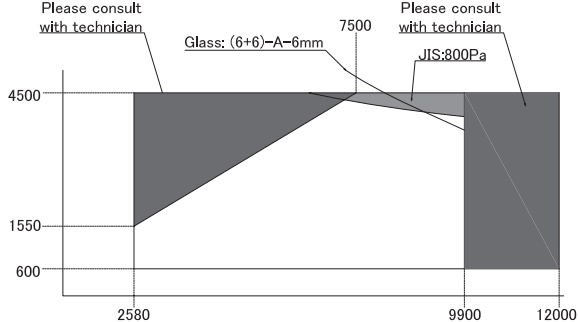
TYPE-A



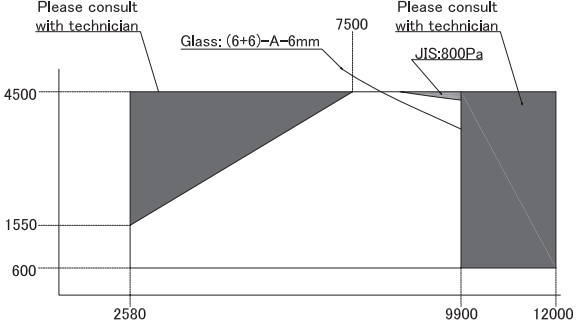
TYPE-B



TYPE-C



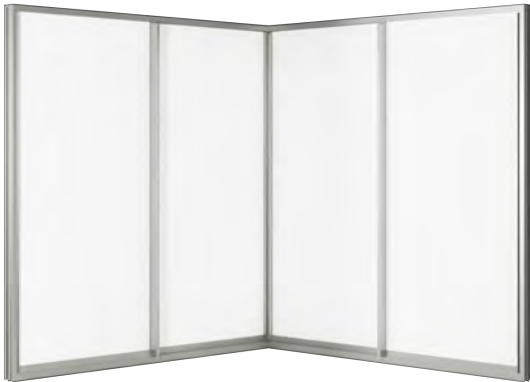
TYPE-D



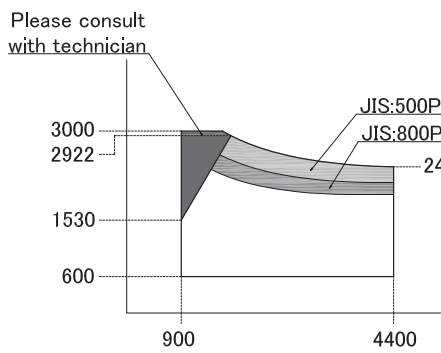
TYPE-E

GRANTS

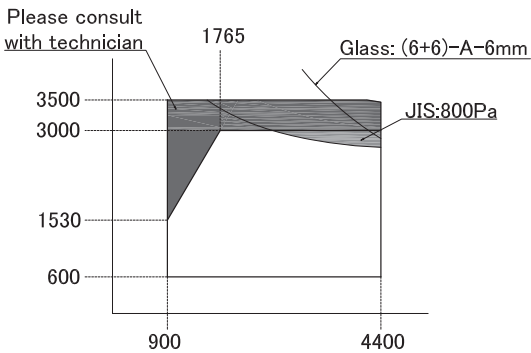
FLAT RAIL CORNER SLIDING (2P2T + 2P2T)



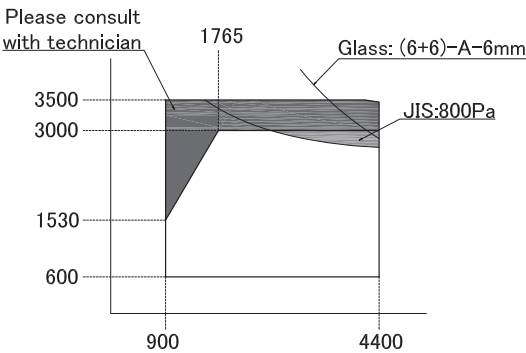
- Frame depth: 120 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select from in/outward
- Select from (SS+SS, FS+SF)
- Select from panel type A to E
- Glazing finish
 - ↳ 8 to 13.52 mm: Glazing channel
 - ↳ Other glass: Sealant



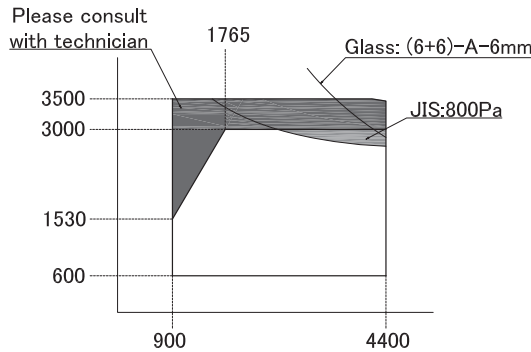
TYPE-A



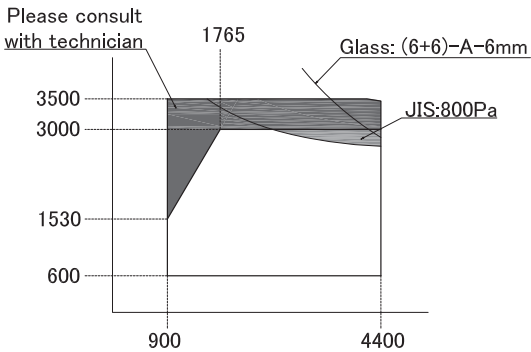
TYPE-B



TYPE-C



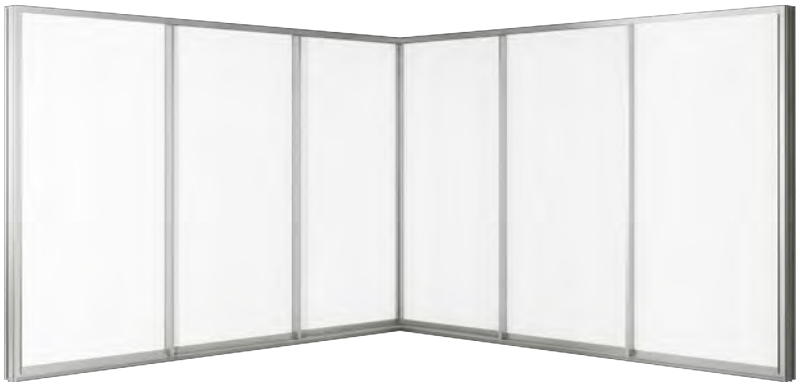
TYPE-D



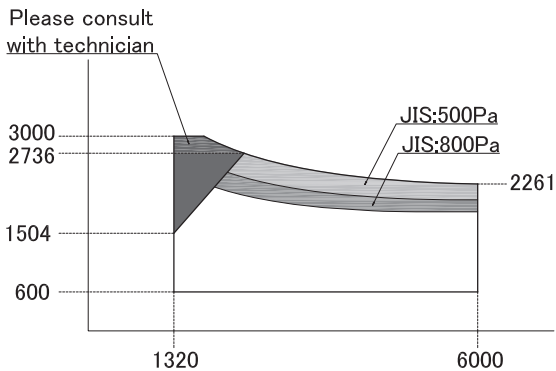
TYPE-E

GRANTS

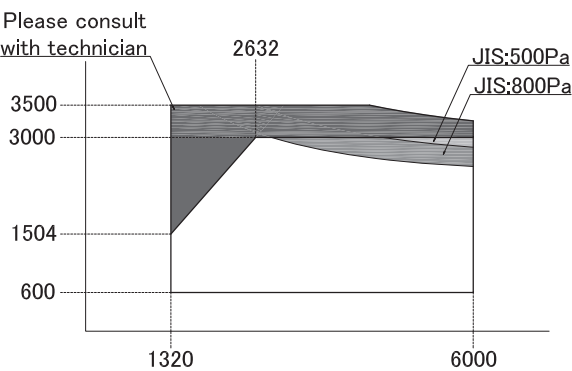
FLAT RAIL CORNER SLIDING (3P3T + 3P3T)



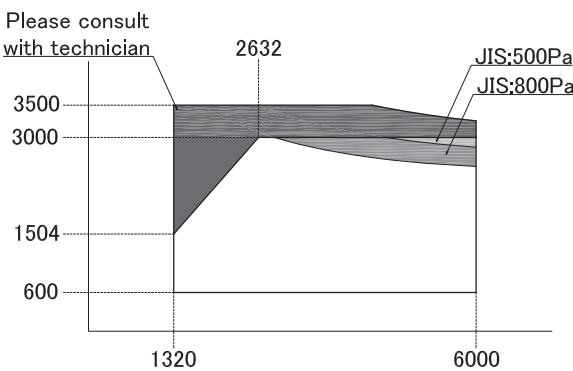
- Frame depth: 178 mm
- L-fit aluminum diecast handle (Optional)
- Pleated insect screen (Optional)
- Select from in/outward
- Select from (SSS+SSS, FSS+SSF)
- 2P3T + 3P3T also available
- Select from panel type A to E
- Glazing finish
 - ↳ 8 to 13.52 mm: Glazing channel
 - ↳ Other glass: Sealant



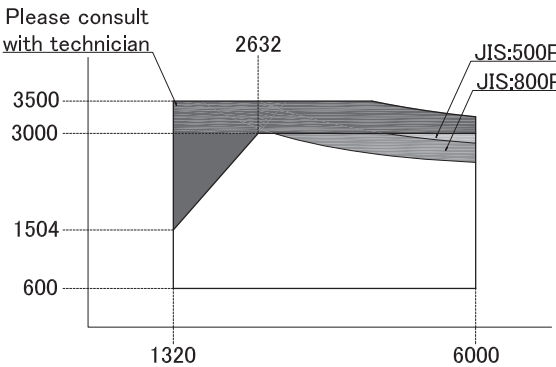
TYPE-A



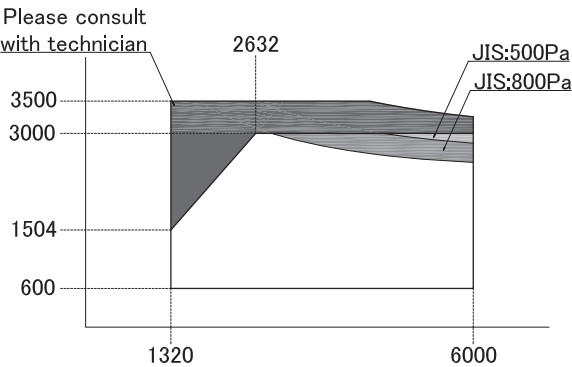
TYPE-B



TYPE-C



TYPE-D



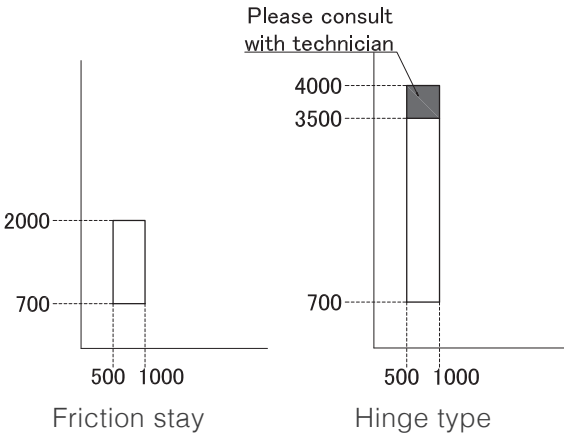
TYPE-E

GRANTS

CASEMENT WINDOW



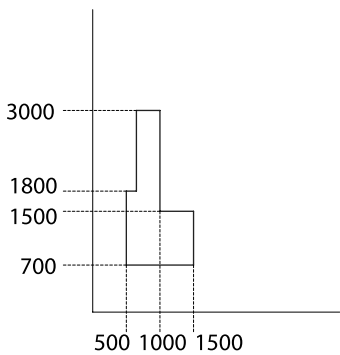
- Frame depth: 101.6 mm
- Pleated insect screen available
- Select from L/R
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - 28 - 31.52 mm: Glazing channel
 - Other glass: Sealant



AWNING WINDOW



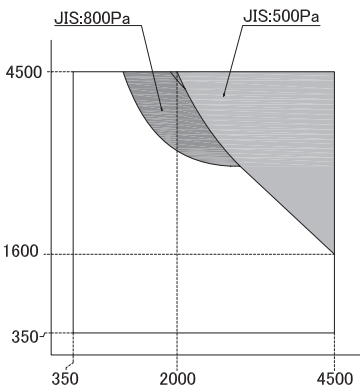
- Frame depth: 101.6 mm
- Pleated insect screen available
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - 28 - 31.52 mm: Glazing channel
 - Other glass: Sealant



FIXED WINDOW



- For oversize fixed windows, please consult with our technician
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - 25 - 31.52 mm: Glazing channel
 - Other glass: Sealant

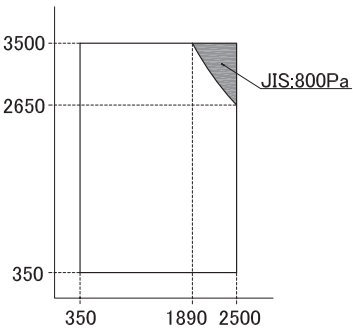


GRANTS

CORNER FIXED WINDOW



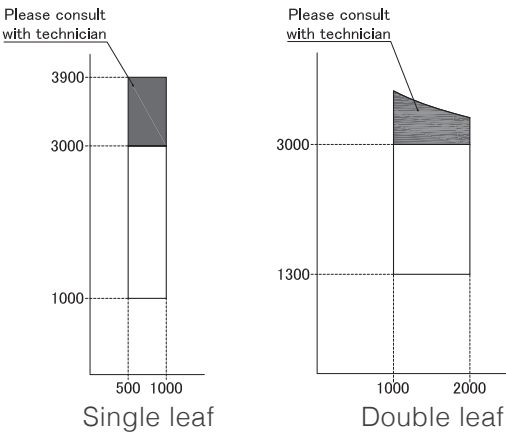
- Frame depth: 101.6 mm
- Only available in single glass
- Both in/outward corners available
- -Glazing finish: Sealant



OUT-SWING DOOR



- Frame depth: 101.6 mm
- Door closer NOT available
- Select from L/R
- Glazing finish
 - 8 - 13.52 mm: Glazing channel
 - 28 - 31.52 mm: Glazing channel
 - Other glass: Sealant



UNIT COMBINATION WINDOW

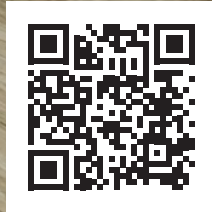
BOTTOM WINDOWS	TOP WINDOWS					
	SINGLE AWNING	SINGLE CASEMENT	SINGLE FIXED	DOUBLE FIXED	SINGLE FIXED/ CASEMENT	SLIDING
SINGLE AWNING			●			
SINGLE CASEMENT			●			
SWING DOOR			●			
SINGLE FIXED	●	●	●		●	●
DOUBLE FIXED						●
SLIDING			●	●		



ATIS Series

**IT IS NOT A WINDOW-FRAME;
IT IS MOVING ART.**

Our end goal is not just window frames. It is beauty.
Because we believe nothing is more beautiful than life.
We invite you to enjoy.



UNIQUE FEATURES

STREAMLINED DESIGN

Seamless design with beautiful functionality.
Smooth lines, surfaces, and operation.
Works as beautifully as it looks.

CONCEALED HARDWARE



SUB-LOCK



HINGES



BALANCER*



40 MM MULLION

L-FIT DESIGN HANDLES



OPERATOR HANDLE*



CAM-LATCH HANDLE



LEVER HANDLE

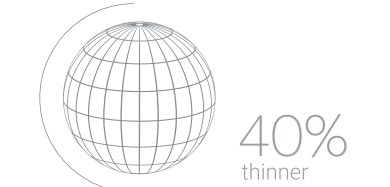


CRESCENT LOCK

* Only available for ATIS series

SLIM MULLION

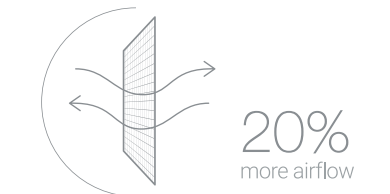
SMART AND INVISIBLE INSECT SCREEN



We use a 40% thinner wire than conventional insect screens. So you get a 20% clearer view.



We have shrunk the space for bugs to squeeze through by 20%, so not even the tiniest gnat can get in.



With more AIRFLOW than conventional insect screens, INVISIBLE SHIELD lets more insect-free AIRFLOW through than any others.

AWNING / CASEMENT WINDOW



L-FIT HANDLE



LIMIT ARM FOR SAFETY (Optional)



CASEMENT WINDOW (with cam-latch handle)



CASEMENT WINDOW (with operator handle)



SMART INSECT SCREEN SYSTEM



L-FIT DESIGN HANDLE





SLIT WINDOW WITH CHAIN OPERATOR

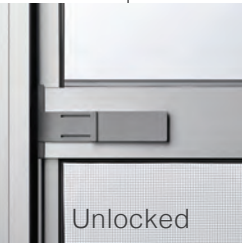
Specially designed for rooms where you want to keep outside eyes out but let the breeze in. You can open our slit windows without having to reach up to window height. We help you make the most out of every living area in your home.



TILT & SLIDE WINDOW



Locked



Unlocked



LOCK DEVICE





CONCEALED POWER SUPPORT SYSTEM



SLIDING INSECT SCREEN (Outside)



SAFETY STOPPER



CLOSED POSITION



TILTED POSITION



OPEN POSITION



SLIDING WINDOW / DOOR



LIMIT ARM (Optional)



ALUMINUM PROFILE HANDLE

FLAT ATTACHMENT (Optional)



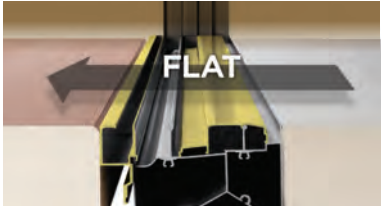
SAFE FOR EVERYONE



DETACHABLE



FOR OUTER RAIL
(Outer panel fixed)



FOR INNER RAIL
(Inner panel fixed)

SWING DOOR



L-FIT DESIGN HANDLE AND LOCK SET



DOUBLE SWING DOOR WITH MAXIMIZED GLASS AREA (recommended for low-rise projects)



CONCEALED FRICTION ARM



CONCEALED HINGES

ATIS PLUS

ATIS PLUS offers beautiful windows and doors for your high-rise projects, which has passed rigorous tests based on ASTM and TOSTEM in-house toughness standard.



SPECIFICATIONS	FRAME DEPTH	88 mm 131.5 mm (3 tracks sliding)		
	HEIGHT OF SILL	55 mm		
	GLASS THICKNESS	5, 6, 8 - 15.52, 22 mm (24, 26 mm for fixed window)		
PERFORMANCES	 WIND PRESSURE	 WATER TIGHTNESS	 AIR TIGHTNESS	 NOISE INSULATION ^{*1}
	2000PA (ASTM E330)	300PA (ASTM E331)	10.7M³/H.M² (ASTM E283)	T-1: 25DB, T-2: 30DB ^{*2} (JIS A 1416)

^{*1} Sound performance test has been done in JIS standard controlled environment. Performance will vary by room condition. Please consult with sound insulation specialist.
^{*2} Some specific window types and glasses

COLORS

NATURAL WHITE

NATURAL SILVER

SHINE GRAY

AUTUMN BROWN

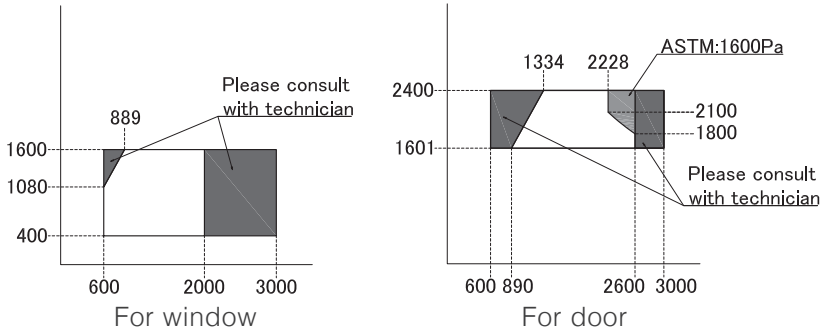
DUSK GRAY

NATURAL BLACK

SLIDING (2P2T)



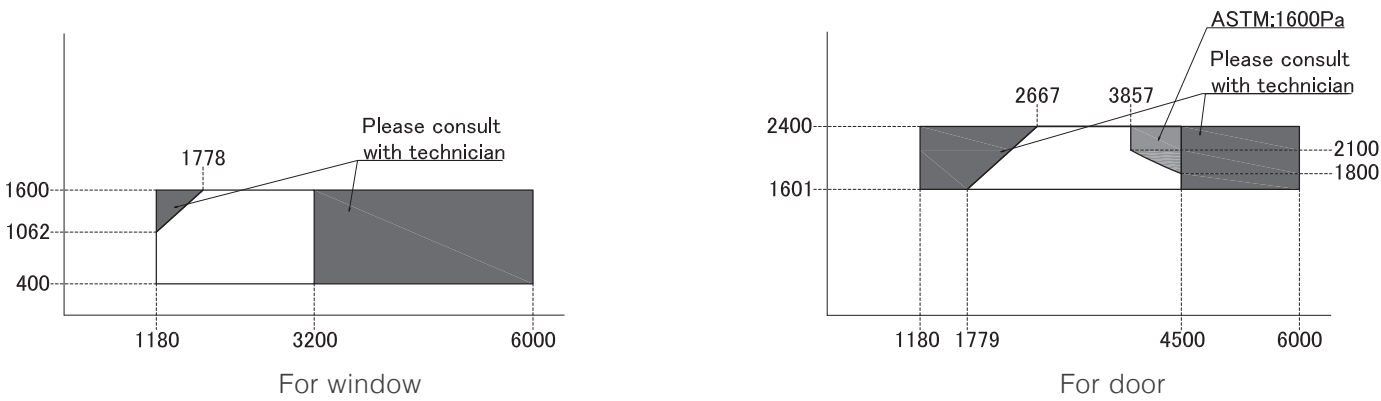
- Frame depth: 88 mm
- Select from in/outside insect screen
- Select sill from standard or floor finish
- Safety arm (Optional)
- Flat attachment (Optional)
- Glazing finish: Glazing channel



SLIDING (4P2T)



- Frame depth: 88 mm
- Select from in/outside insect screen
- Select sill from standard or floor finish
- Security arm (Optional)
- Flat attachment (Optional)
- Glazing finish: Glazing channel

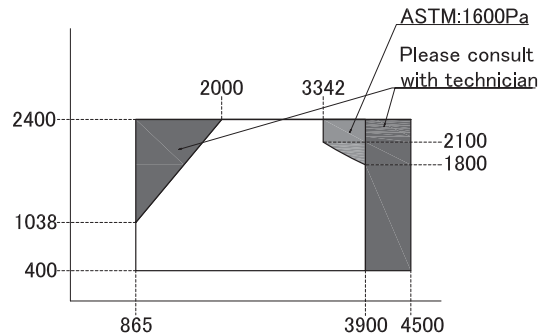


ATIS PLUS

SLIDING (3P3T)



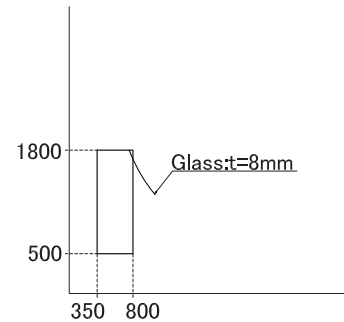
- Frame depth: 131.5 mm
- Select from in/outside insect screen
- Select sill from standard or floor finish
- Security arm (Optional)
- Glazing finish: Glazing channel



CASEMENT WINDOW



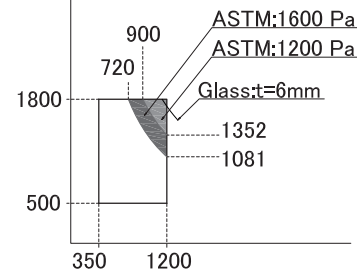
- Frame depth: 88 mm
- Select from L/R
- Swing screen available
- Glazing finish: Glazing channel



AWNING WINDOW



- Frame depth: 88 mm
- Swing screen available
- Glazing finish: Glazing channel

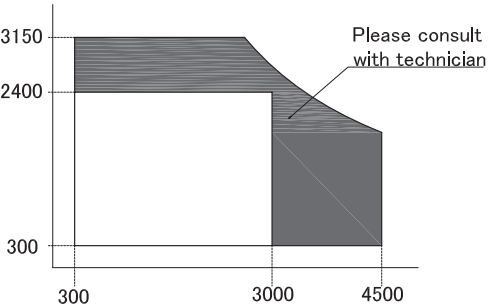


ATIS PLUS

FIXED WINDOW



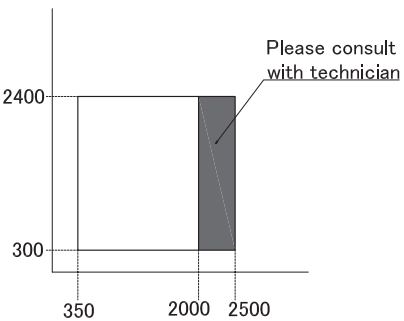
- Frame depth: 88 mm
- Wind load performance varies by glass thickness, please consult with our technician
- Glazing finish: Glazing bead (For 4-4 LG, glazing bead not available)



CORNER FIXED WINDOW



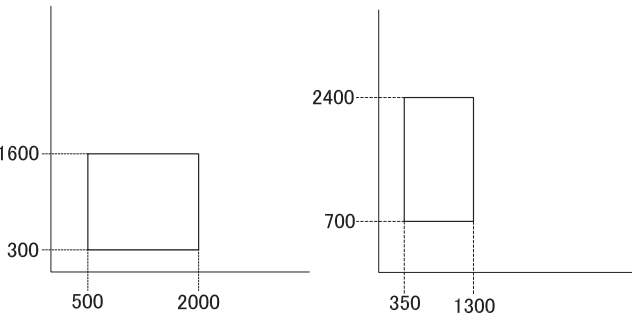
- Frame depth: 88 mm
- Only available in single glass
- Both in/outward corners available
- Middle bar (Optional)
- Glazing finish: Sealant (For 4-4 LG, glazing bead not available)



UNIT FIXED WINDOW



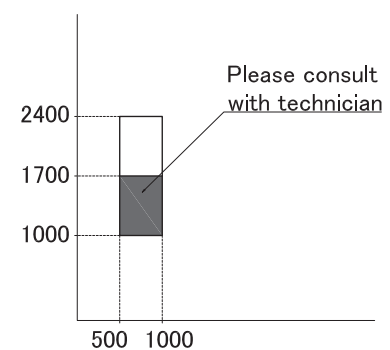
- Wind load performance varies by glass thickness, please consult with our technician



OUT-SWING DOOR (SINGLE LEAF)



- Frame depth: 88 mm
- Door closer NOT available
- Select from L/R
- Glazing finish : Glazing channel



MIXED & COMBINATION WINDOW

- Mullions and Transoms are available for various windows and doors, Please consult with our sales representative for selection 180° mullion (standard and reinforced)





ATIS

ATIS is not only esthetically pleasing but has an enormous amount of innovation and technology “build within”. All ATIS products follow the same simple design concept: Seamlessly unites the inside of your home with the outside without taking anything away.

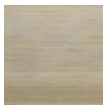
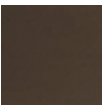
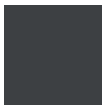


SPECIFICATIONS	FRAME DEPTH	88 mm 131.5 mm (3 tracks sliding)
	HEIGHT OF SILL	55 mm
	GLASS THICKNESS	5, 6, 8 - 15.52, 22 mm (24, 26 mm for fixed window)

PERFORMANCES	 WIND PRESSURE	 WATER TIGHTNESS	 AIR TIGHTNESS	 NOISE INSULATION ^{*1}
	S-2 (1200PA) (JIS A 1515)	W-3 (250PA) (JIS A 1517)	A-4 (2) (JIS A 1516)	T-1: 25DB, T-2: 30DB ^{*2} (JIS A 1416)

^{*1} Sound performance test has been done in JIS standard controlled environment. Performance will vary by room condition. Please consult with sound insulation specialist.
^{*2} Some specific window types and glasses

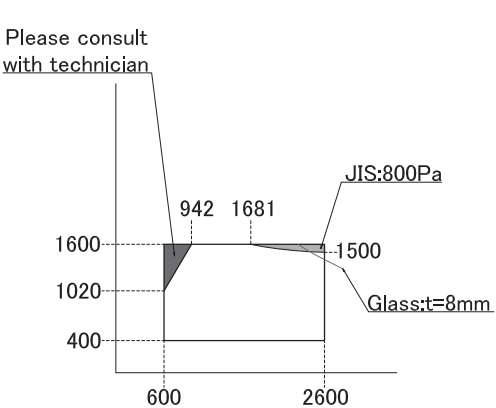
COLORS

	NATURAL WHITE		NATURAL SILVER		SHINE GRAY		AUTUMN BROWN		DUSK GRAY		NATURAL BLACK
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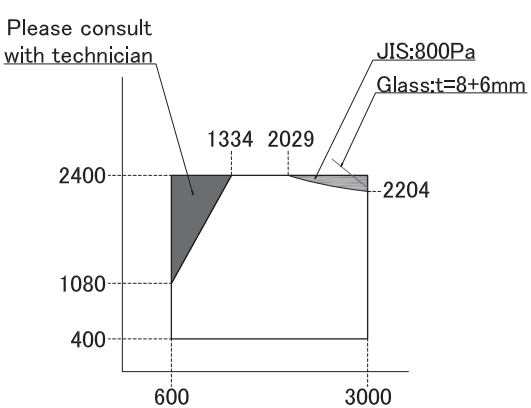
SLIDING (2P2T)



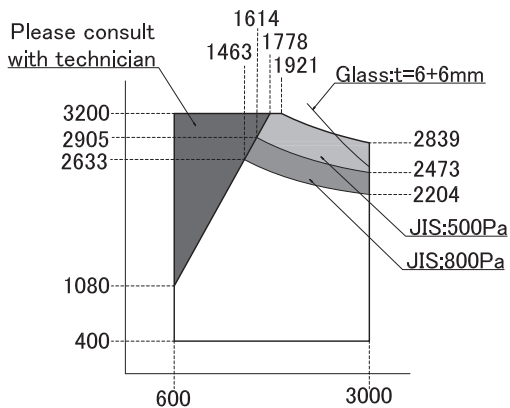
- Frame depth: 88 mm
- Select from in/outside insect screen
- Select sill from standard or floor finish
- Safety arm (Optional)
- Flat attachment (Optional)
- Select from panel type A to D
- Glazing finish: Glazing channel



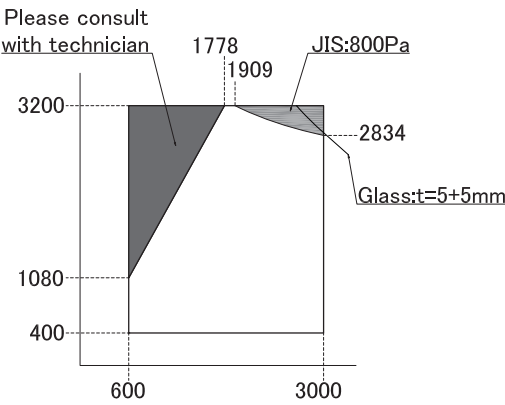
TYPE-A



TYPE-B



TYPE-C



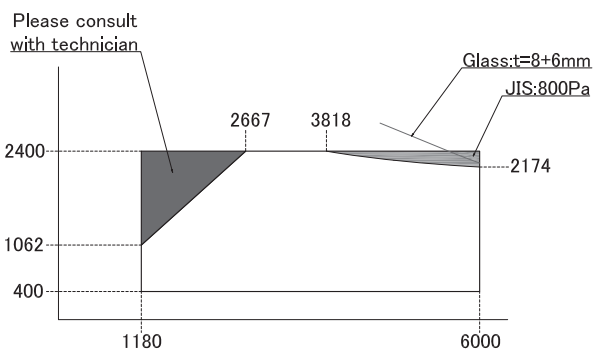
TYPE-D

ATIS

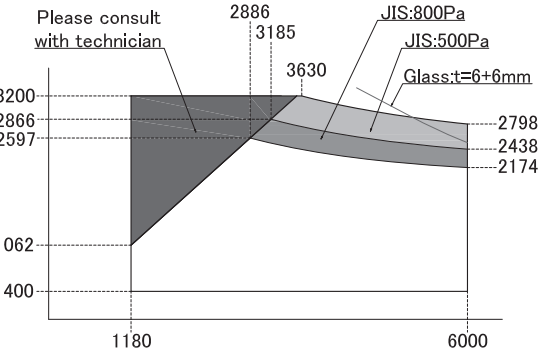
SLIDING (4P2T)



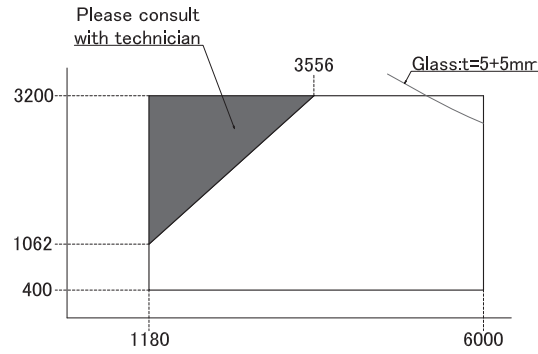
- Frame depth: 88 mm
- Select from in/outside insect screen
- Select sill from standard or floor finish
- Safety arm (Optional)
- Flat attachment (Optional)
- Select from panel type B to D
- Glazing finish: Glazing channel



TYPE-B



TYPE-C



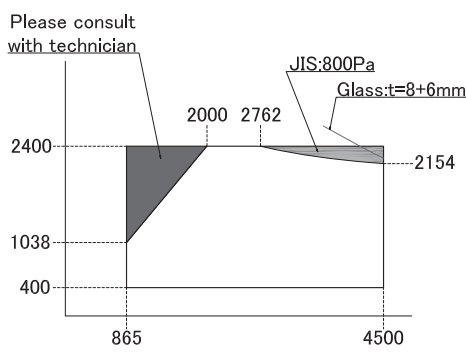
TYPE-D

ATIS

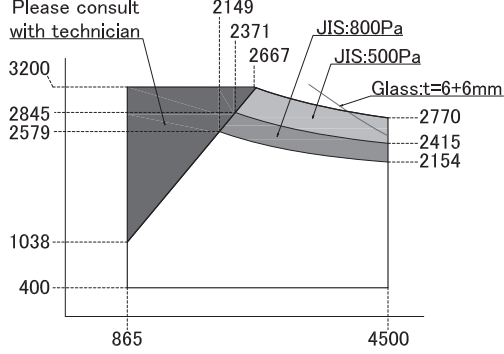
SLIDING (3P3T)



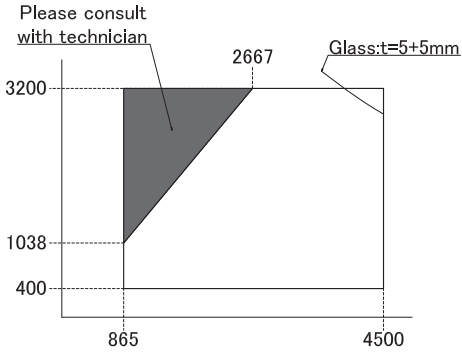
- Frame depth: 131.5 mm
- Select from in/outside insect screen
- Select sill from standard or floor finish
- Security arm (Optional)
- Select from panel type B to D
- Glazing finish: Glazing channel



TYPE-B



TYPE-C



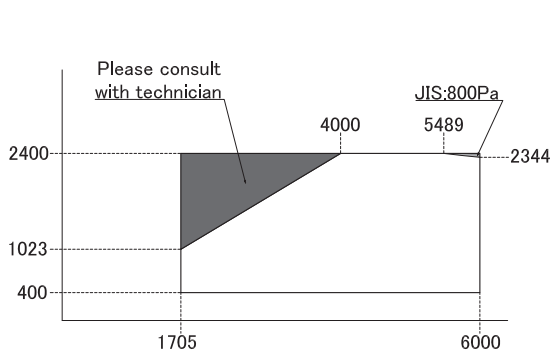
TYPE-D

ATIS

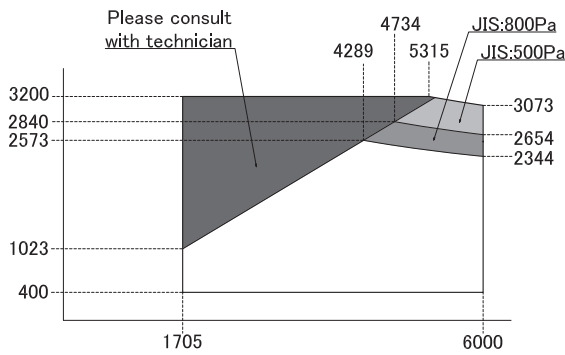
SLIDING (6P3T)



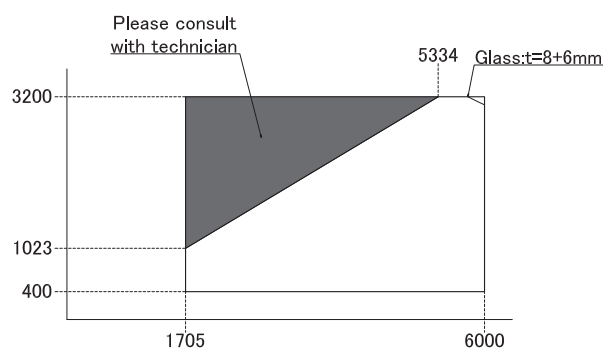
- Frame depth: 131.5 mm
- Select from in/outside insect screen
- Select sill from standard or floor finish
- Security arm (Optional)
- Select from panel type B to D
- Glazing finish: Glazing channel



TYPE-B



TYPE-C



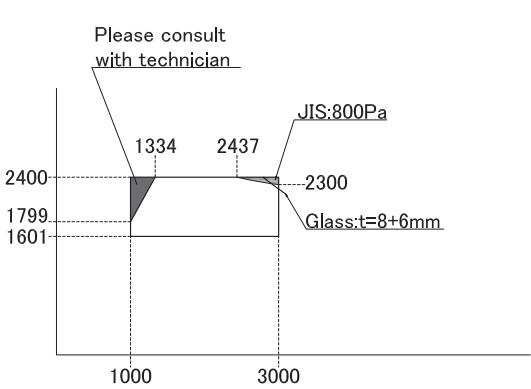
TYPE-D

ATIS

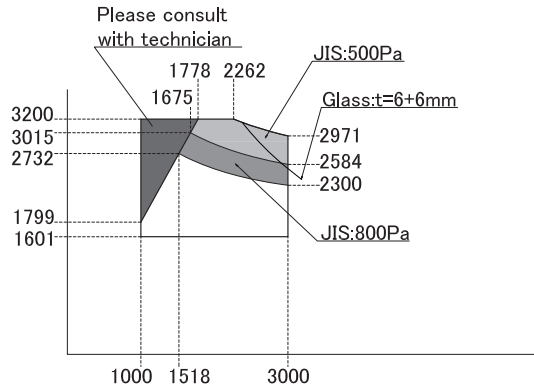
ENTRANCE SLIDING (2P2T)



- Frame depth: 88 mm
- Only outside insect screen
- Flat attachment (Optional)
- Select from panel type B and C
- Glazing finish: Glazing channel



TYPE-B



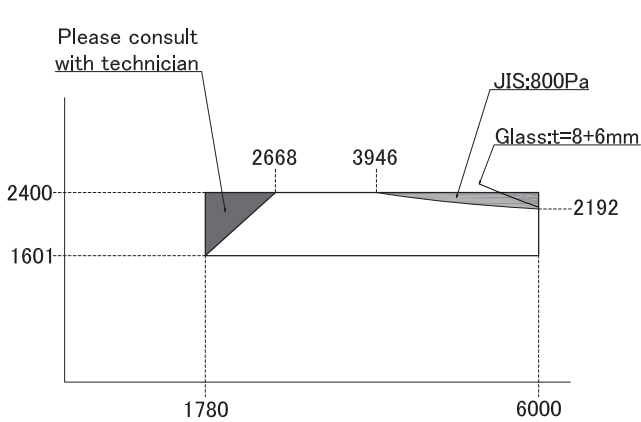
TYPE-C

ATIS

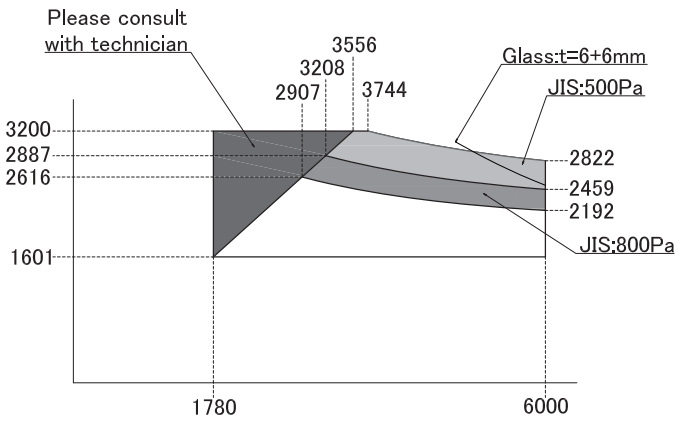
ENTRANCE SLIDING (4P2T)



- Frame depth: 88 mm
- Only outside insect screen
- Flat attachment (Optional)
- Select from panel type B and C
- Glazing finish: Glazing channel



TYPE-B



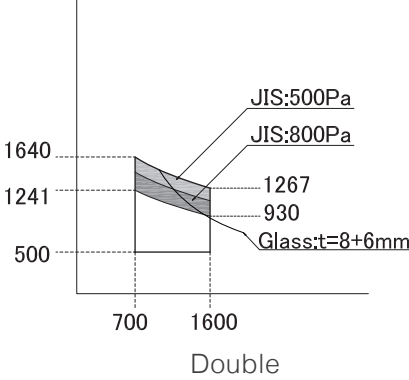
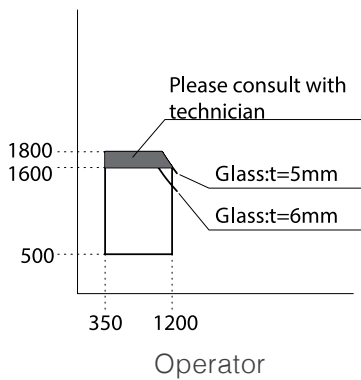
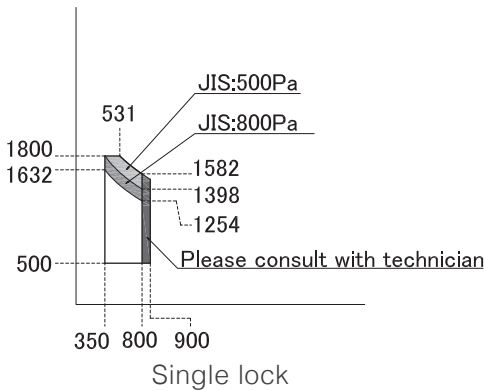
TYPE-C

ATIS

CASEMENT WINDOW



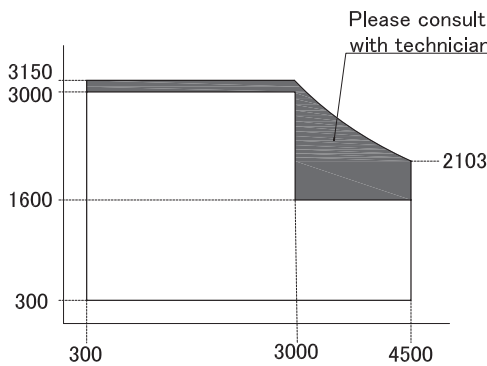
- Frame depth: 88 mm
- Select from L/R
- Swing screen available for single lock and double type
- Smart screen available for operator type
- Safety arm (Optional)
- Glazing finish : Glazing channel



FIXED WINDOW



- Frame depth: 88 mm
- Wind load performance varies by glass thickness, please consult with our technician
- Glazing finish: Glazing bead (For 4-4 LG, glazing bead not available)

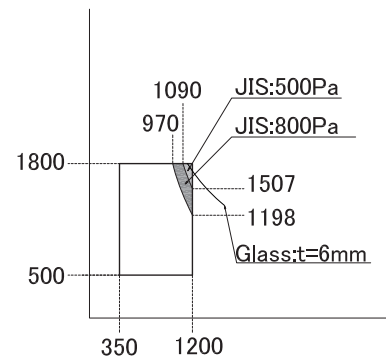


ATIS

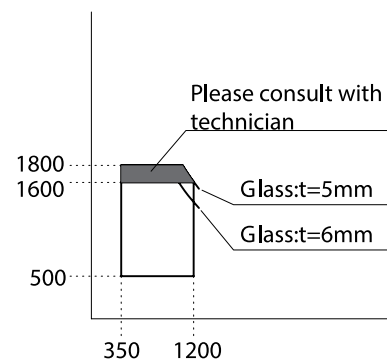
AWNING WINDOW



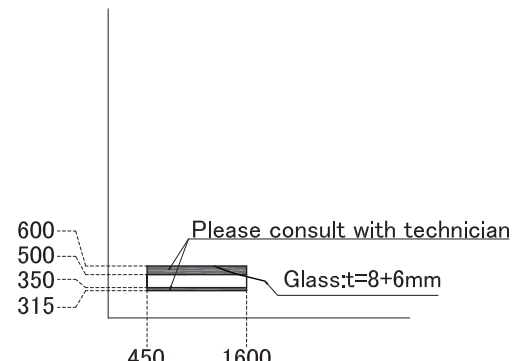
- Frame depth: 88 mm
- Swing screen available for single lock type
- Smart screen available for operator & slit window type
- Glazing finish : Glazing channel



Single lock



Operator

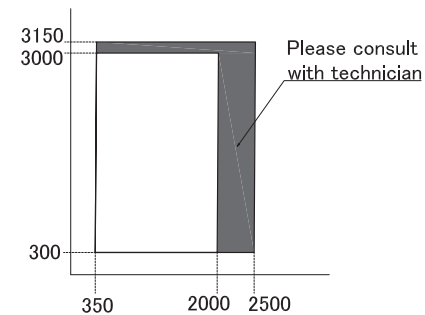


Slit window

CORNER FIXED WINDOW



- Frame depth: 88 mm
- Only available in single glass
- Both in/outward corners available
- Middle bar (Optional)
- Glazing finish: Sealant (For 4-4 LG, glazing bead not available)

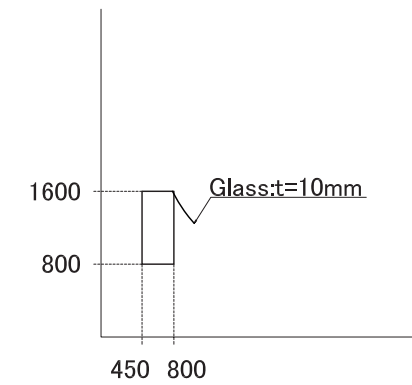


ATIS

TILE & SLIDE WINDOW



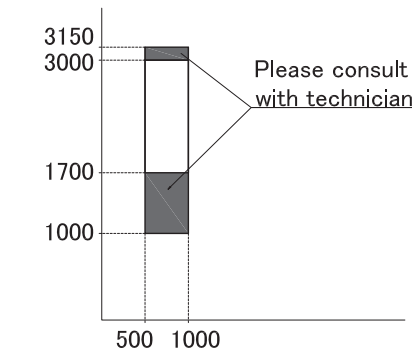
- Frame depth: 88 mm
- Only outside insect screen available
- Glazing finish: Glazing channel



OUT-SWING DOOR (SINGLE LEAF)



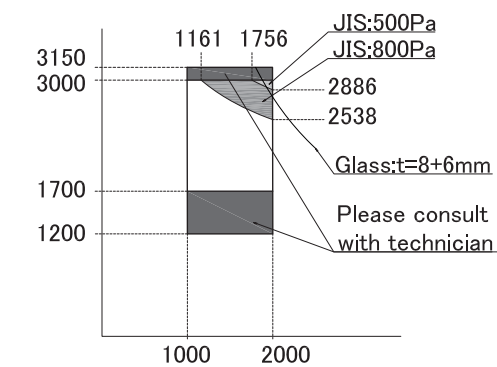
- Frame depth: 88 mm
- Door closer NOT available
- Select from L/R
- Glazing finish : Glazing channel



OUT-SWING DOOR (DOUBLE LEAF)



- Frame depth: 88 mm
- Door closer NOT available
- Select from L/R
- Glazing finish : Glazing channel

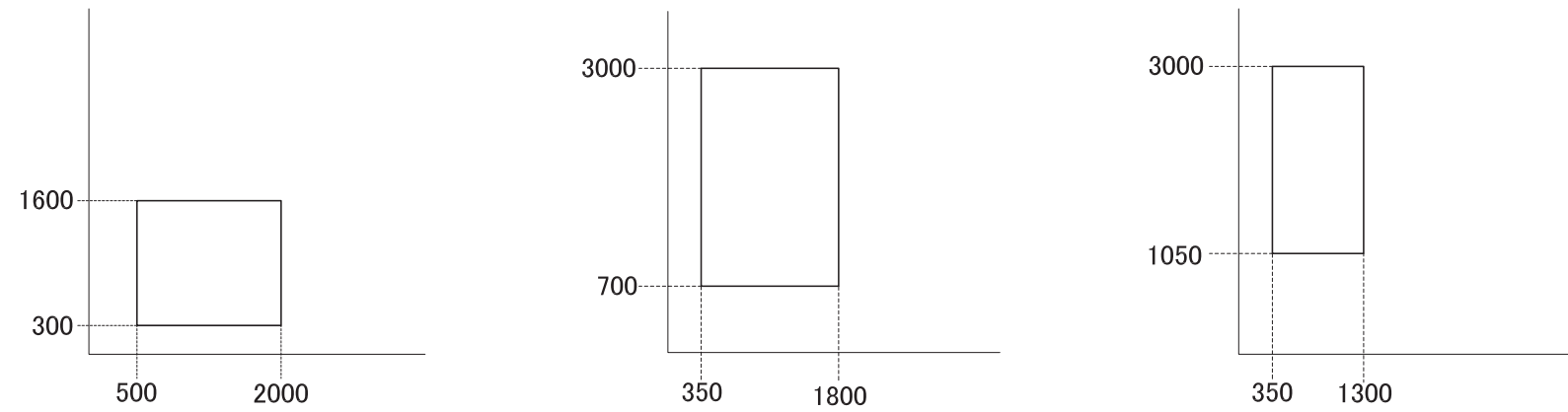


ATIS

FIXED UNIT WINDOW

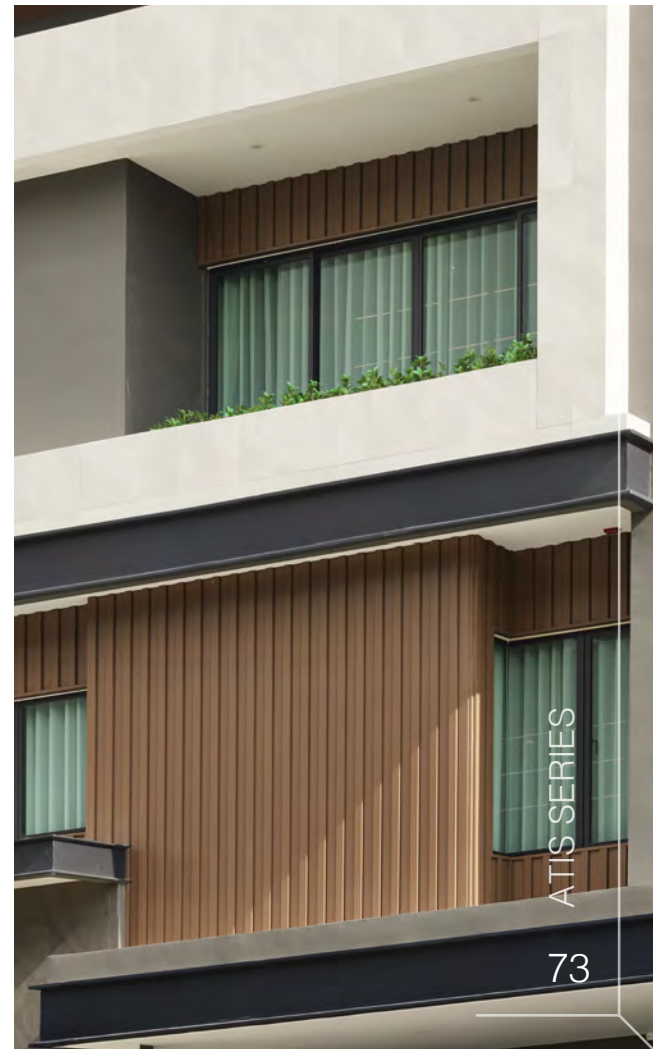


- Frame depth: 88 mm
- For oversize fix windows, please consult with our technicians.
- Glazing finish: Glazing bead
(For 4-4 LG, glazing bead not available)



MIXED & COMBINATION WINDOW

- Mullions and Transoms are available for various windows and doors, Please consult with our sales representative for selection
180° mullion (standard and reinforced)



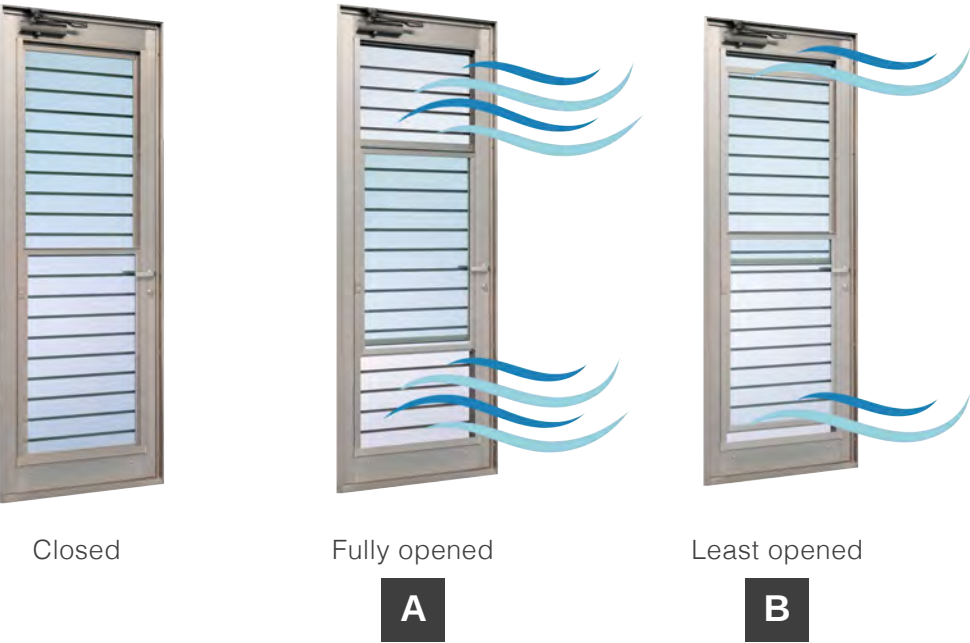


WE Series

Discover Japan's quality and craftsmanship with TOSTEM WE series. Our high-performing products elevate everyday living with superior functionality.

UNIQUE FEATURES

VENTILATION DOOR



A Fully open to allow ventilation while the door remains closed. Draws in fresh air and clears out irritating odors and moisture through natural convection.

B Acts as a home-cooling device during daytime. “Least Open” at 35 mm locked panels maintain ventilation when no one is home.

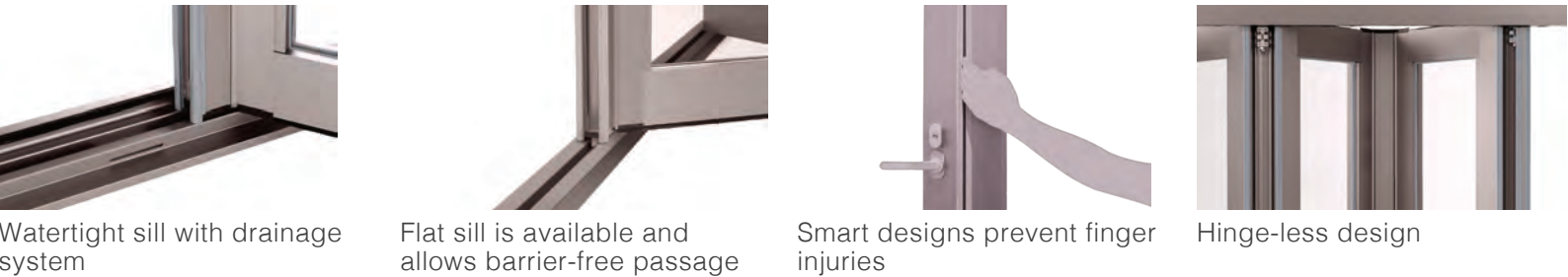
AIRFLOW SLOT



* Available with all windows



FOLDING DOOR



PRODUCT VARIETY (Inside View)

PANELS	ONE WAY	BOTH WAYS	CENTER
4 PANELS			
6 PANELS			
8 PANELS			
12 PANELS			
16 PANELS			



WE PLUS

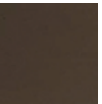
WE PLUS has passed rigorous tests based on ASTM, and TOSTEM in-house's toughest standards. Available in various designs with a maximum height of 3 meters to satisfy various designers' needs in high-rise market.

SPECIFICATIONS	FRAME DEPTH	72 mm 104 mm (3 tracks sliding)
	HEIGHT OF SILL	35 mm 50 mm (all slidings)
	GLASS THICKNESS	5, 6, 8 mm

PERFORMANCES	 WIND PRESSURE	 WATER TIGHTNESS	 AIR TIGHTNESS	 NOISE INSULATION
	1600PA (ASTM E330)	240PA (ASTM E331)	10.7M³/H.M² (ASTM E283)	T-1: 25DB (JIS A 1416)

Sound performance test has been done in JIS standard controlled environment. Performance will vary by room condition. Please consult with sound insulation specialist.

COLORS

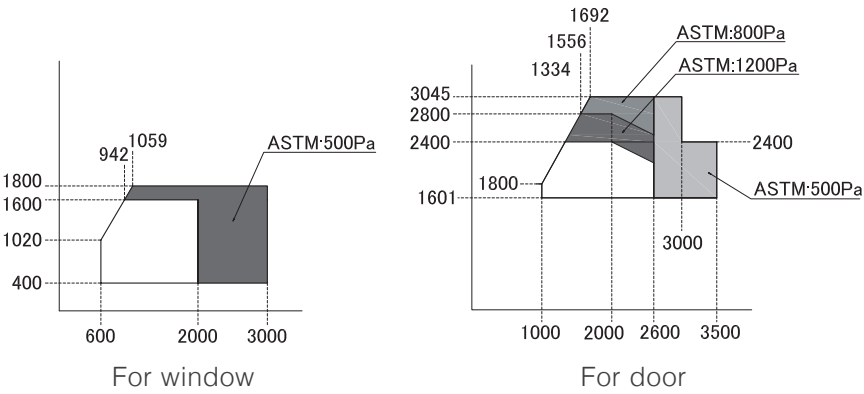
	NATURAL WHITE		NATURAL SILVER		SHINE GRAY		AUTUMN BROWN		DUSK GRAY		NATURAL BLACK
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WE PLUS

SLIDING (2P2T)



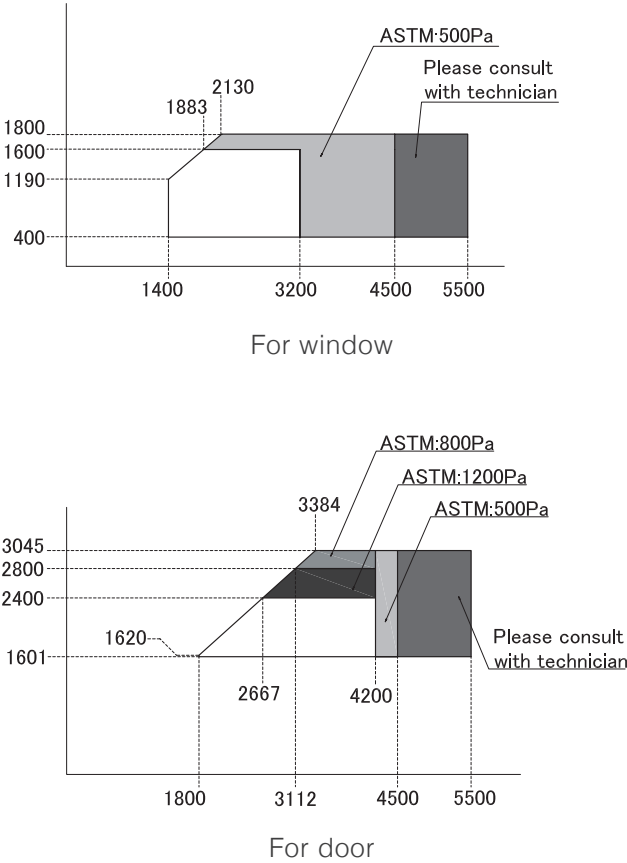
- Frame depth: 72 mm
- Inside insect screen available
- Select sill from standard or floor finish
- Glazing finish: Glazing channel



SLIDING (4P2T)



- Frame depth: 72 mm
- Inside insect screen available
- Select sill from standard or floor finish
- Glazing finish: Glazing channel

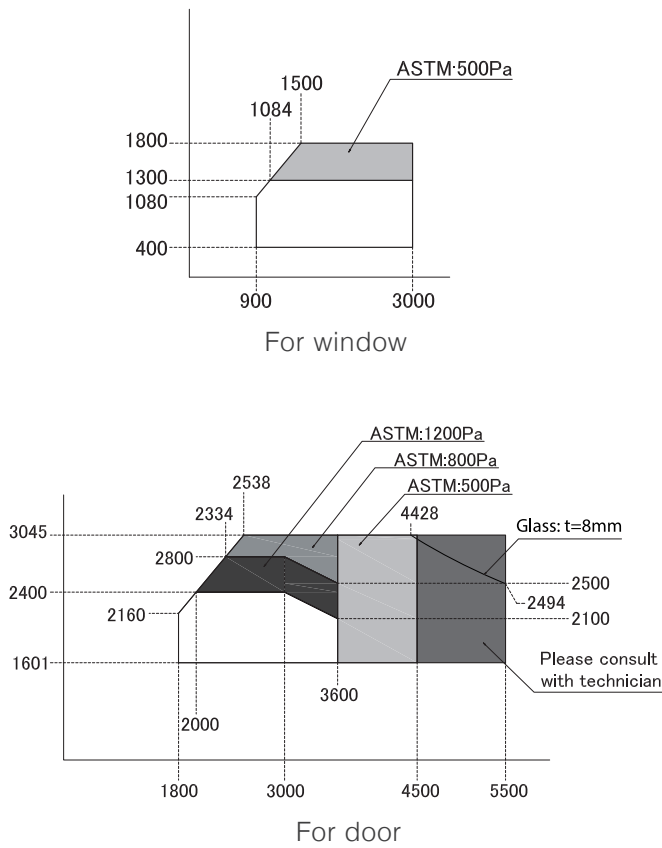


WE PLUS

SLIDING (3P3T)



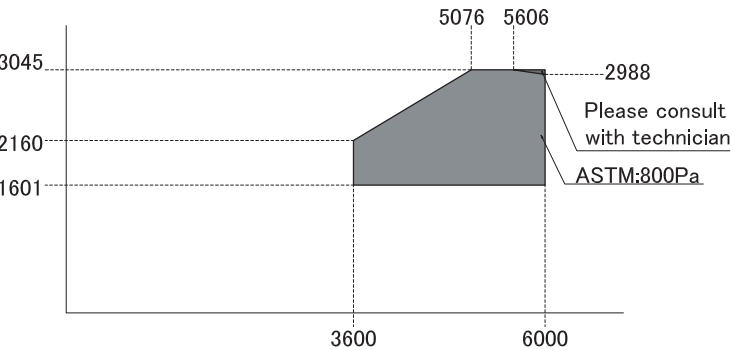
- Frame depth: 104 mm
- Inside insect screen available
- Select sill from standard or floor finish
- Glazing finish: Glazing channel



SLIDING (6P3T)



- Frame depth: 104 mm
- Inside insect screen available
- Select sill from standard or floor finish
- Glazing finish: Glazing channel

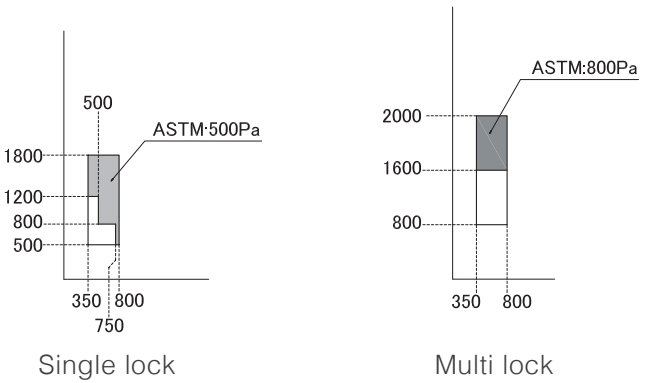


WE PLUS

CASEMENT WINDOW



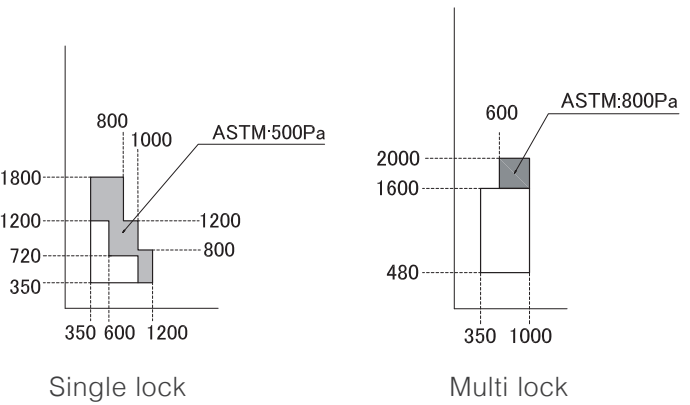
- Frame depth: 72 mm
- Select from L/R
- Swing screen only available for single lock type
- Safety arm (Optional)
- Glazing finish : Glazing bead



AWNING WINDOW



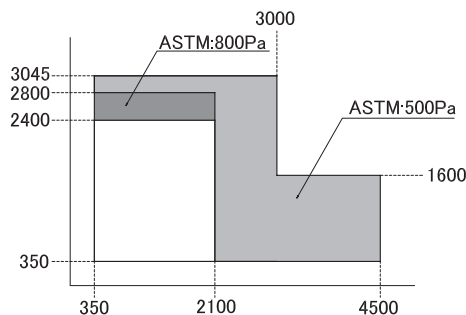
- Frame depth: 72 mm
- Swing screen only available for single lock type
- Glazing finish : Glazing bead



FIXED WINDOW



- Frame depth: 72 mm
- Wind load performance varies by glass thickness, please consult with our technician
- Glazing finish: Glazing bead

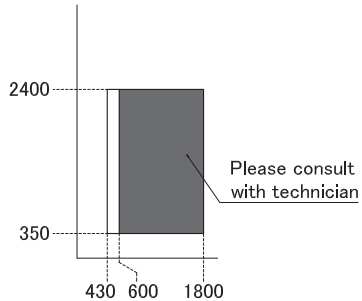


WE PLUS

CORNER FIXED WINDOW



- Frame depth: 72 mm
- Both in/outward corners available
- Middle bar (Optional)
- Glazing finish: Glazing bead

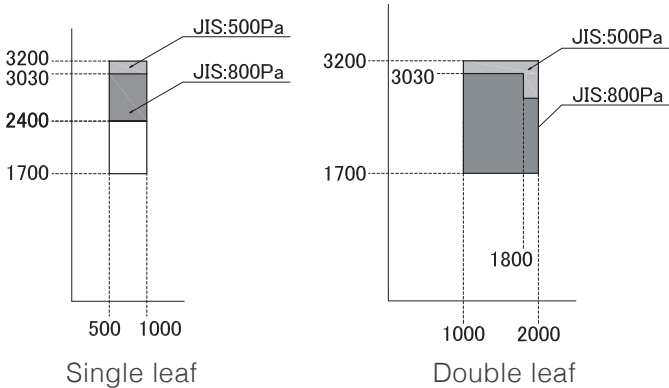


OUT-SWING DOOR



- Frame depth: 72 mm
- Door closer (Optional)
- Select from L/R
- Select from with sill or without sill
- Glazing finish : Glazing bead

* In case of without sill, no air and water performance determined

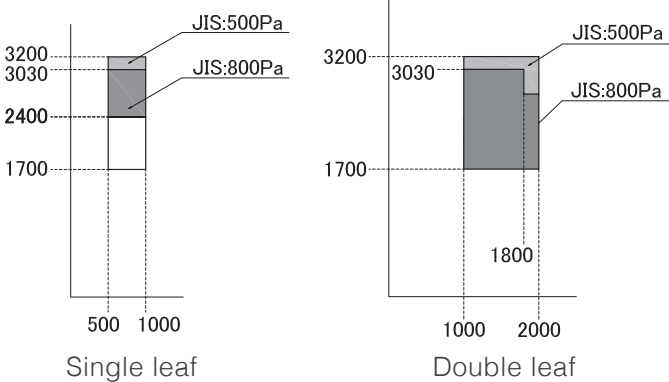


IN-SWING DOOR



- Frame depth: 72 mm
- Door closer (Optional)
- Select from L/R
- Only available without sill
- Glazing finish : Glazing bead

* No air and water performance determined



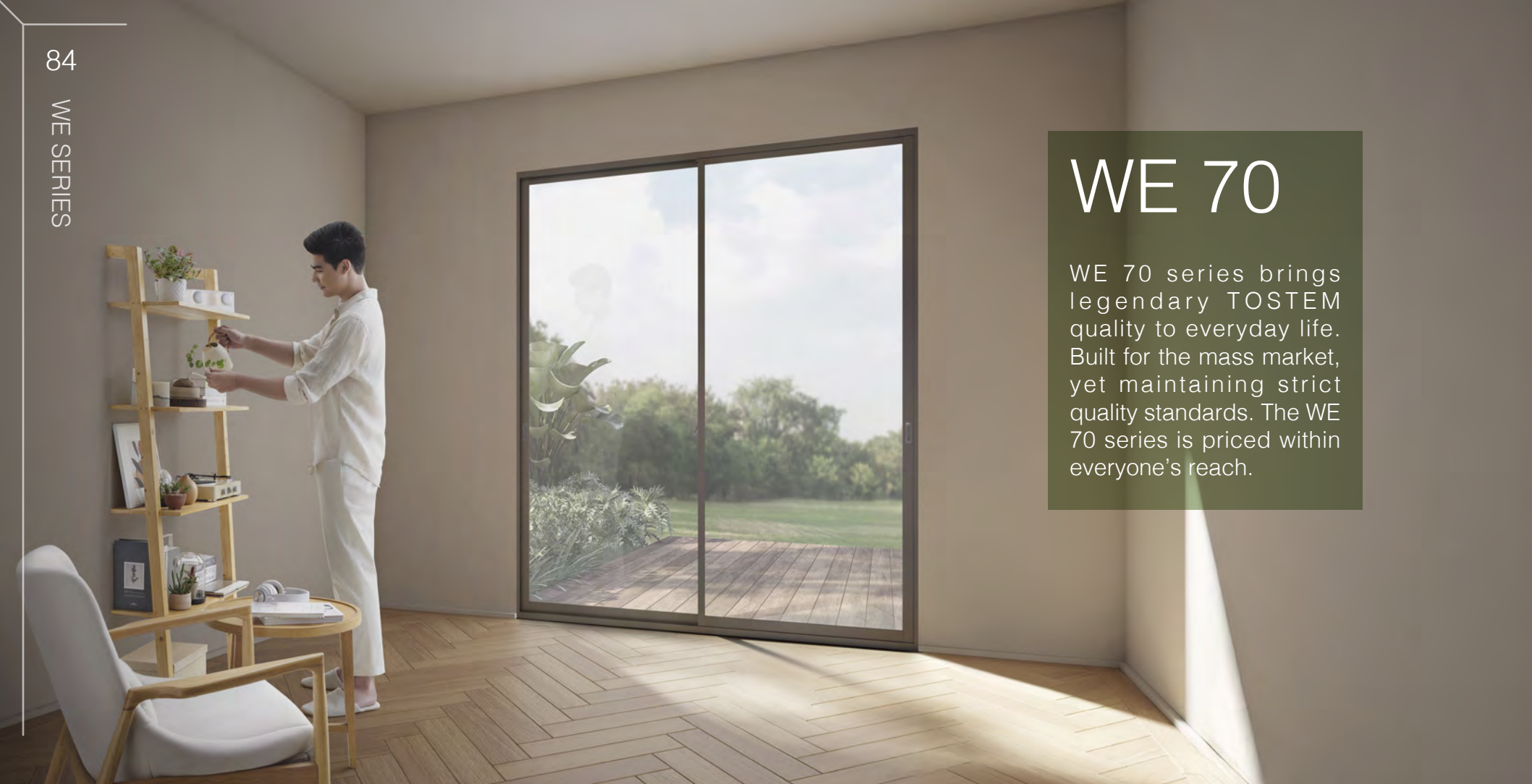
WE PLUS

MIXED & COMBINATION WINDOW

- Mullions and transoms are available for each windows and doors, Please consult with our sales representative for selection
- 180° mullion (standard and reinforced)
- 90° mullion (only for outward corner)
- Transom (standard and reinforced)

BOTTOM WINDOWS	TOP WINDOWS		
	SINGLE AWNING	SINGLE CASEMENT	1 PANEL FIXED
SINGLE AWNING			●
SINGLE CASEMENT			●
1 PANEL FIXED	●	●	●



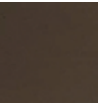


SPECIFICATIONS	FRAME DEPTH	72 mm 104 mm (3 tracks sliding)
	HEIGHT OF SILL	35 mm
	GLASS THICKNESS	5, 6, 8 mm

PERFORMANCES	 WIND PRESSURE	 WATER TIGHTNESS	 AIR TIGHTNESS	 NOISE INSULATION
	500PA - 800PA (JIS A 1515)	W-2: 150PA (JIS A 1517)	A-3: 10M³/H.M² (JIS A 1516)	T-1 (25) (JIS A 1416)

Sound performance test has been done in JIS standard controlled environment. Performance will vary by room condition. Please consult with sound insulation specialist.

COLORS

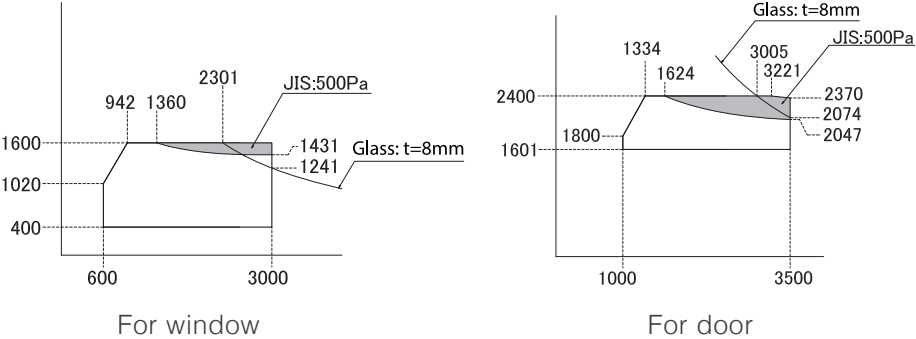
	NATURAL WHITE		NATURAL SILVER		SHINE GRAY		AUTUMN BROWN		DUSK GRAY		NATURAL BLACK
---	---------------	---	----------------	---	------------	---	--------------	---	-----------	---	---------------

WE 70

SLIDING (2P2T)



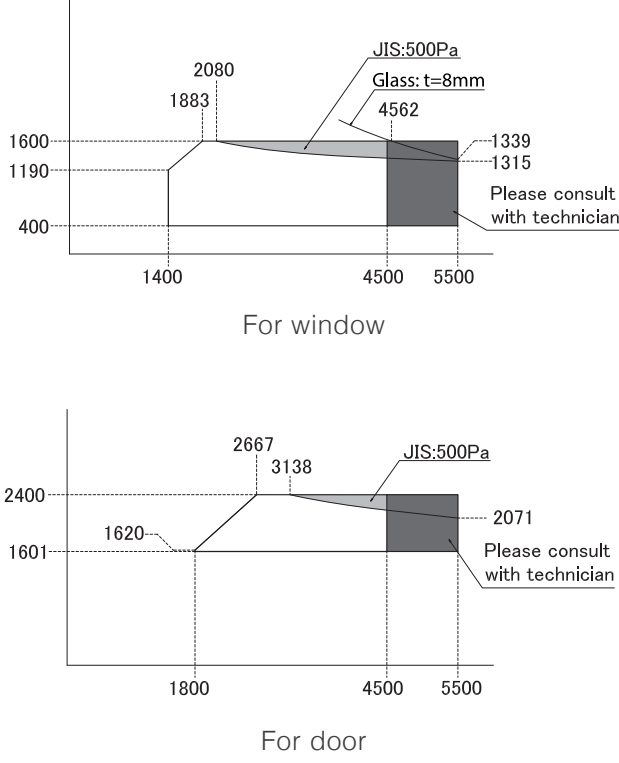
- Frame depth: 72 mm
- Inside insect screen available
- Select panel position from L/R
- Single slider (FS, SF) available
- Select sill from standard or floor finish
- Glazing finish: Glazing channel



SLIDING (4P2T)



- Frame depth: 72 mm
- Inside insect screen available
- Select from (FSSF, SSSS)
- Select sill from standard or floor finish
- Glazing finish: Glazing channel

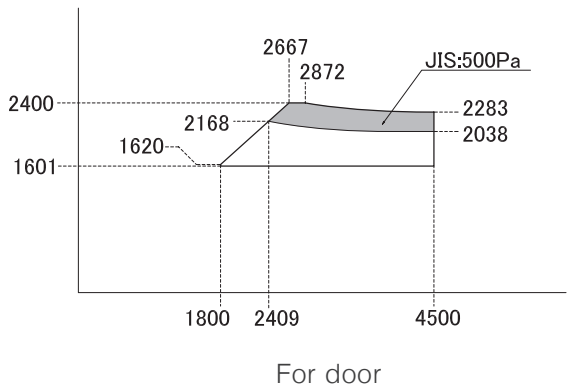
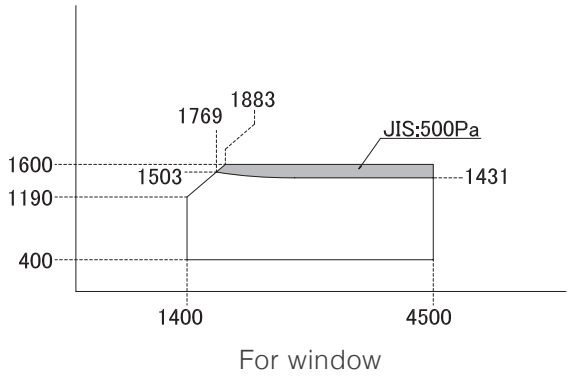


WE 70

SLIDING (3P2T) SFS



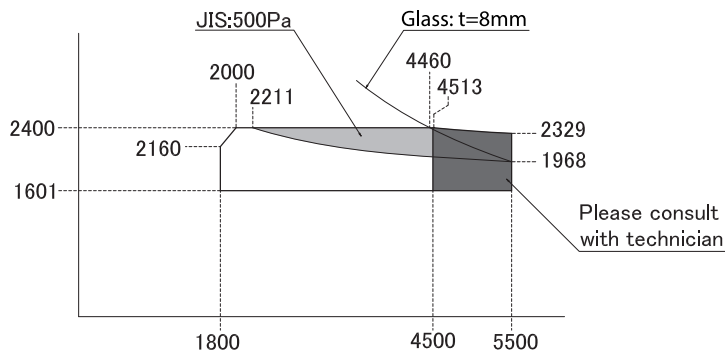
- Frame depth: 72 mm
- Inside insect screen available
- Select sill from standard or floor finish
- Glazing finish: Glazing channel



SLIDING (3P3T)



- Frame depth: 104 mm
- Inside insect screen available
- Select sill from standard or floor finish
- Glazing finish: Glazing channel

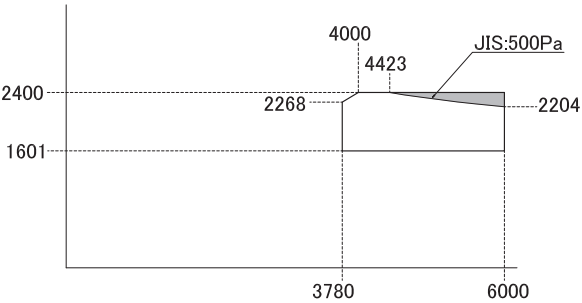


WE 70

SLIDING (6P3T)



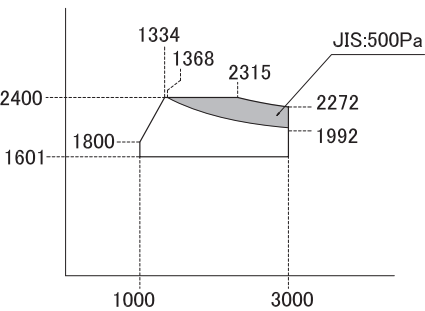
- Frame depth: 104 mm
- Inside insect screen available
- Select sill from standard or floor finish
- Glazing finish: Glazing channel



ENTRANCE SLIDING (2P2T)



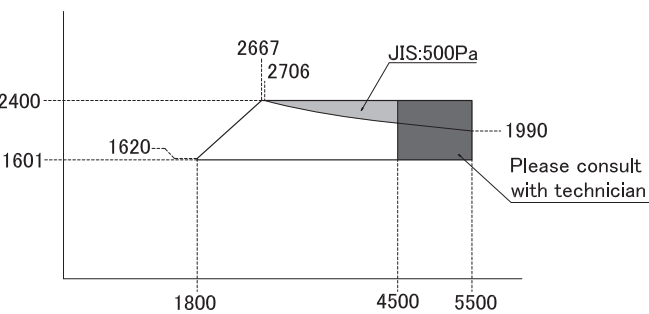
- Frame depth: 72 mm
- Only outside insect screen
- Select panel position from L/R
- Single slider (FS, SF) available
- Glazing finish: Glazing channel



ENTRANCE SLIDING (4P2T)



- Frame depth: 72 mm
- Only outside insect screen
- Glazing finish: Glazing channel



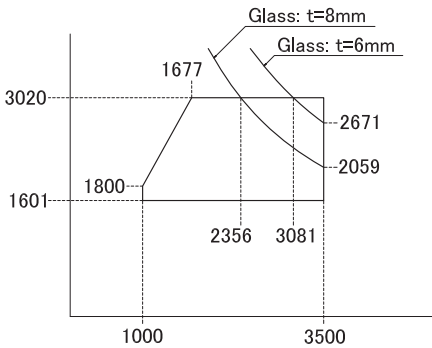
WE 70

PARTITION DOOR (2P2T)



- Frame depth: 72 mm
- Sill height : 20 mm
- Glazing finish: Glazing channel

* No performance determined

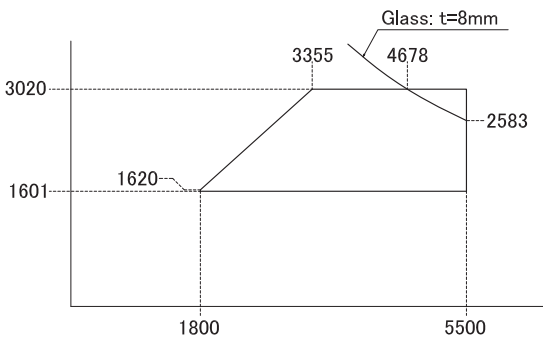


PARTITION DOOR (4P2T)



- Frame depth: 72 mm
- Sill height : 20 mm
- Glazing finish: Glazing channel

* No performance determined

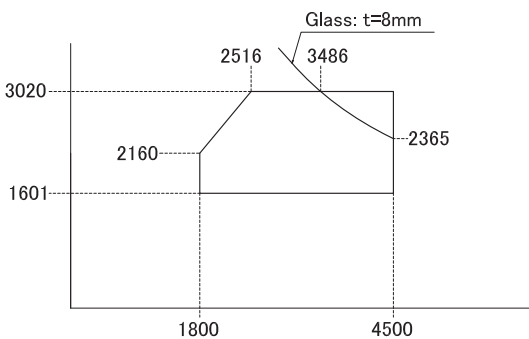


PARTITION DOOR (3P3T)



- Frame depth: 104 mm
- Sill height : 20 mm
- Glazing finish: Glazing channel

* No performance determined



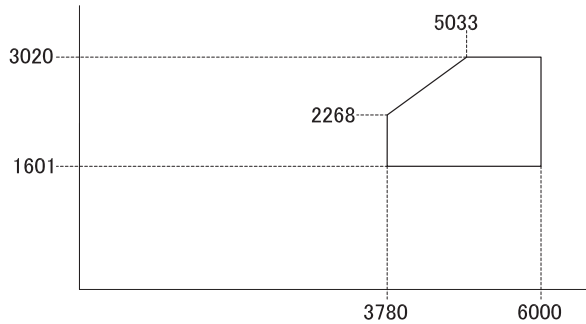
WE 70

PARTITION SLIDING (6P3T)



- Frame depth: 104 mm
- Sill height : 20 mm
- Glazing finish: Glazing channel

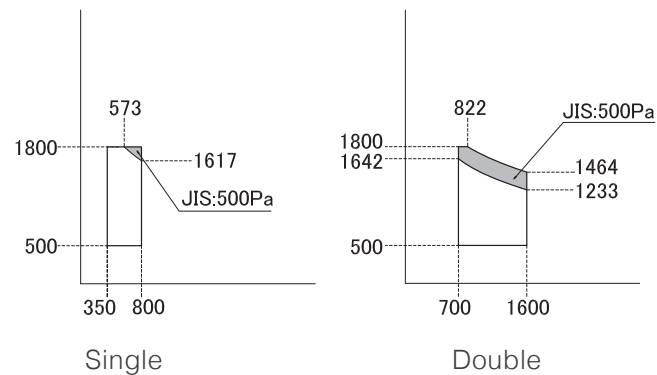
* No performance determined



CASEMENT WINDOW



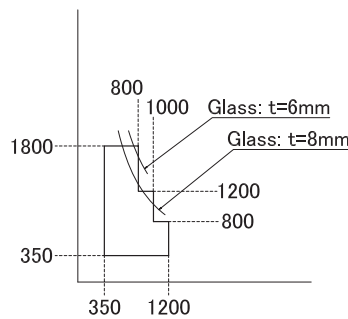
- Frame depth: 72 mm
- Select from L/R
- Swing screen available
- Glazing finish: Glazing channel



AWNING WINDOW



- Frame depth: 72 mm
- Swing screen available
- Glazing finish: Glazing channel

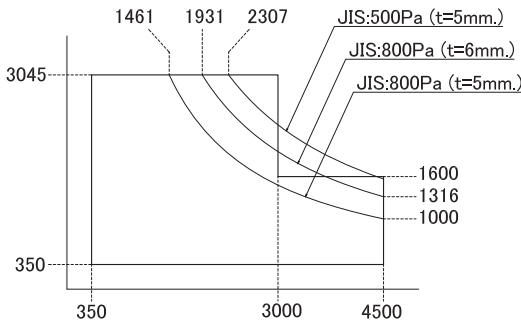


WE 70

FIXED WINDOW



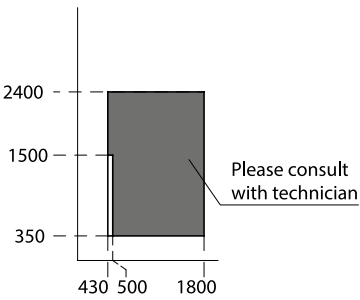
- Frame depth: 72 mm
- Wind load performance varies by glass thickness, please consult with our technician
- Glazing finish: Glazing bead



CORNER FIXED WINDOW



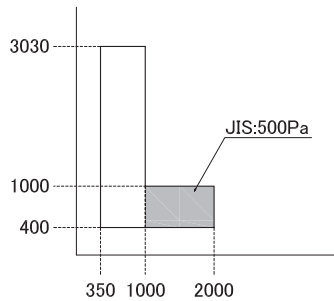
- Frame depth: 72 mm
- Both in/outward corners available
- Middle bar (Optional)
- Glazing finish: Glazing bead



ALUMINUM LOUVER



- Frame depth: 72 mm
- * No air and water performance determined

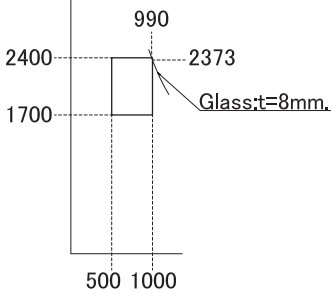


WE 70

AIRFLOW DOOR



- Frame depth: 72 mm
- Door closer (Optional)
- Select from L/R
- Lattice with screen available
- Glazing finish: Glazing bead

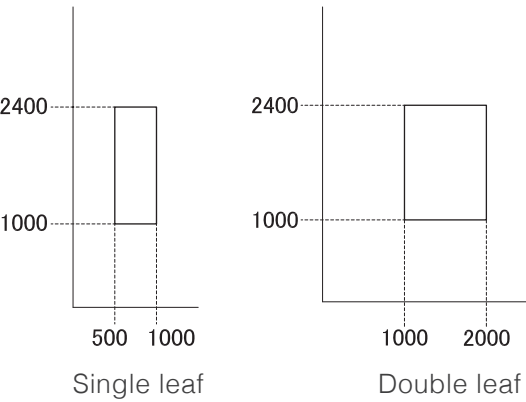


OUT-SWING DOOR



- Frame depth: 72 mm
- Door closer (Optional)
- Select from L/R
- Select from with sill or without sill
- Glazing finish: Glazing channel

* In case of without sill, no air and water performance determined

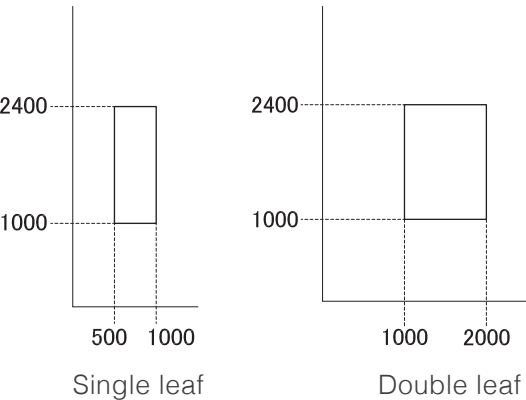


IN-SWING DOOR



- Frame depth: 72 mm
- Door closer (Optional)
- Select from L/R
- Only available without sill
- Glazing finish: Glazing bead

* No air and water performance determined



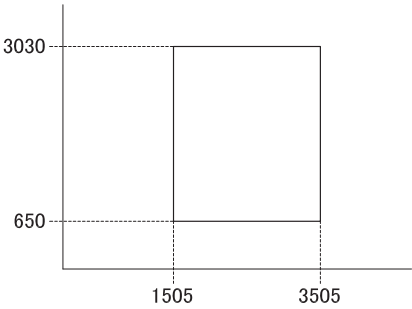
WE 70

FOLDING DOOR

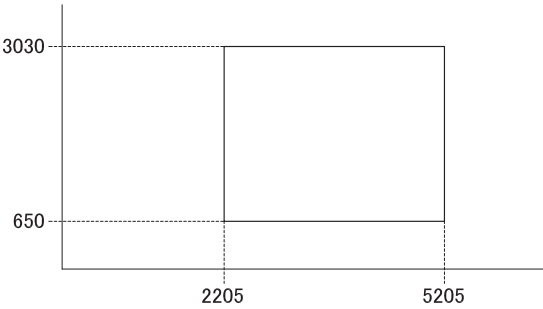


- Frame depth: 72 mm
- Select from standard sill or flat sill
- Pleated insect screen (Optional)
- 1 panel max weight : 40 kg
- 1 panel max width : 850 mm
- Select from (one way open, both way open, or center open)
- For 12 panels and 16 panels, only center open is available
- Glazing finish: Glazing bead

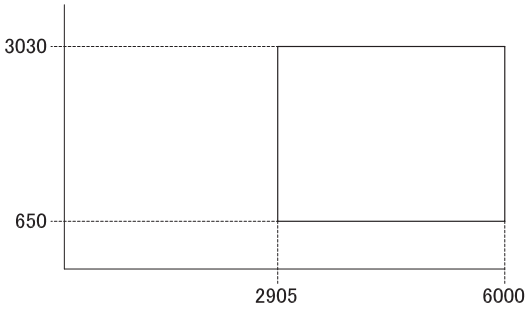
* No air and water performance determined



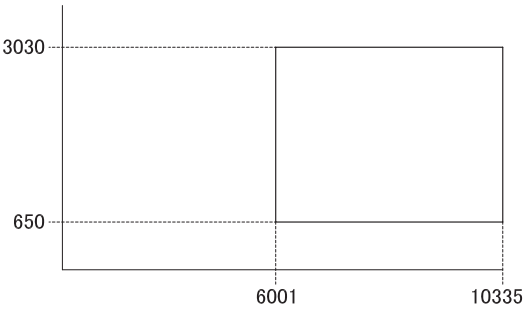
4 panels



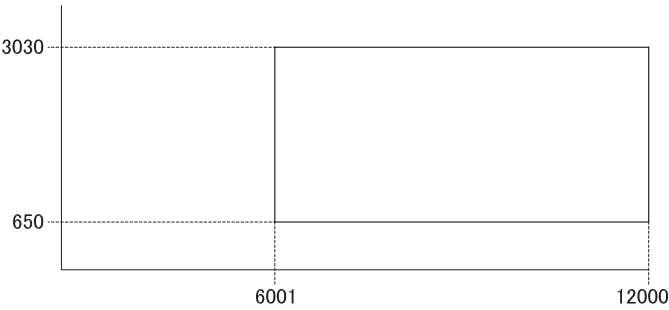
6 panels



8 panels



12 panels



16 panels

WE 70

MIXED & COMBINATION WINDOW

- Mullions and transoms are available for each windows and door, please consult with our sales representative for selection
- 180° mullion (standard)
- 90° mullion (only for outward corner)
- Transom (standard)

UNIT WINDOWS

BOTTOM WINDOWS	TOP WINDOWS											
	SLIDING WINDOW (2P2T)	SLIDING WINDOW (4P2T)	SLIDING WINDOW (3P2T) SFS	SINGLE AWNING	SINGLE CASEMENT	DOUBLE CASEMENT	1 PANEL FIXED	2 PANELS FIXED	3 PANELS FIXED	4 PANELS FIXED	OUTWARD-CORNER FIXED	INWARD-CORNER FIXED
SLIDING WINDOW (2P2T)							●	●				
SLIDING WINDOW (4P2T)								●	●	●		
SLIDING WINDOW (3P2T) SFS								●	●	●		
SINGLE AWNING							●					
SINGLE CASEMENT							●					
DOUBLE CASEMENT							●	●				
1 PANEL FIXED	●			●	●	●	●					
2 PANELS FIXED	●	●	●			●		●	●	●		
3 PANELS FIXED		●	●				●	●	●	●		
4 PANELS FIXED		●	●				●	●	●	●		
OUTWARD-CORNER FIXED											●	
INWARD-CORNER FIXED												●

UNIT DOORS

BOTTOM DOORS	TOP WINDOWS			
	1 PANEL FIXED	2 PANELS FIXED	3 PANELS FIXED	4 PANELS FIXED
SLIDING DOOR (2P2T)	●	●		
SLIDING DOOR (4P2T)		●	●	●
SLIDING DOOR (3P2T) SFS		●	●	●
2 PANELS FIXED		●	●	●
3 PANELS FIXED		●	●	●
4 PANELS FIXED		●	●	●
SWING DOOR (SINGLE)	●			
SWING DOOR (DOUBLE)		●		



WE 40

WE 40 series, windows bring legendary TOSTEM quality to everyday life. Built for the mass market, they maintain strict quality standards.

SPECIFICATIONS

FRAME DEPTH	41 mm
HEIGHT OF SILL	35 mm
GLASS THICKNESS	5, 6 mm

PERFORMANCES

 WIND PRESSURE	 WATER TIGHTNESS	 AIR TIGHTNESS	 NOISE INSULATION
500PA (JIS A 1515)	W-1: 100PA (JIS A 1517)	A-3: 10M³/H.M² (JIS A 1516)	N/A (JIS A 1416)

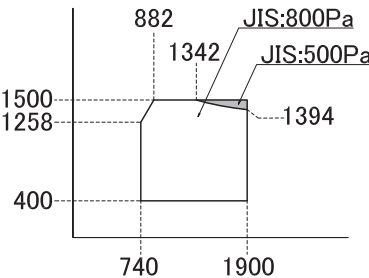
Sound performance test has been done in JIS standard controlled environment. Performance will vary by room condition. Please consult with sound insulation specialist.

WE 40

SINGLE SLIDING WINDOW



- Frame depth: 41 mm
- Outside insect screen available
- Select panel position from L/R
- Glazing finish: Glazing channel

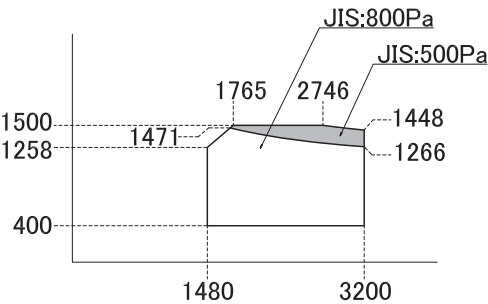


WE 40

CENTER SLIDING WINDOW (FSSF)



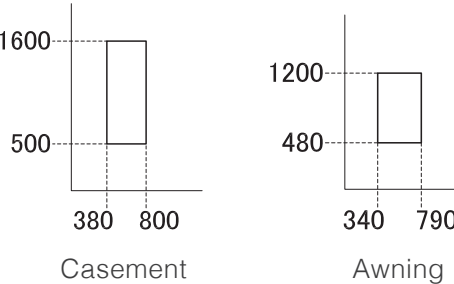
- Frame depth: 41 mm
- Outside insect screen available
- Select panel position from L/R
- Glazing finish: Glazing channel



CASEMENT AND AWNING WINDOW



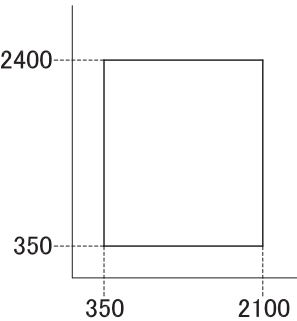
- Frame depth: 41 mm
- Select from L/R for awning window
- Insect screen NOT available
- Glazing finish: Glazing channel



FIXED WINDOW



- Frame depth: 41 mm
- Wind load performance varies by glass thickness, please consult with our technician
- Glazing finish: Glazing bead





ALUMINUM INTERIOR Category



IN16 Series

Introducing IN16, TOSTEM's new interior series – designed to bring smooth transitions, invisible boundaries, and a boundless sense of openness to your home.



UNIQUE FEATURES

FORM AND FUNCTION IN BEAUTIFUL BALANCE

- 1

Fixed divider frame: 16 mm
- 2

Swing door frame & panel: 16 mm, Handle:16 mm
- 3

Hanging door panel: 16 mm
- 4

Hanging door panel: 16 mm, Handle: 16 mm
- 5

Hanging door panel: 16 mm, Handle: 16 mm



SEAMLESS MINIMAL DESIGN

With IN16, we put the working hardware inside the frame because it is meant to work, not to be looked at. This means your eyes don't snag on any protruding parts, caps, or screws.

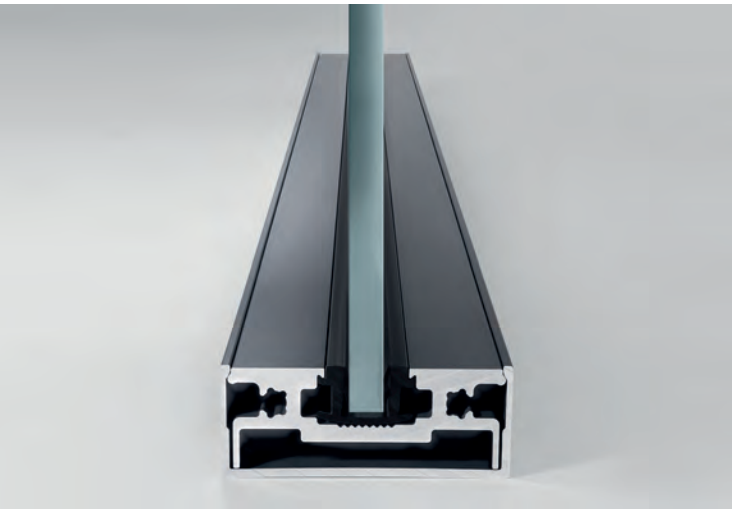
- 1
- Concealed panel catch
- 2
- Concealed Hinges
- 3
- Concealed suspension roller



REFINED & PREMIUM



No visible screws, no caps, Just seamless design that speaks in clean lines and quiet elegance.



Our flush glazing channel creates a clean, uninterrupted look, where glass meets frame in perfect alignment, and design feels effortlessly elevated.



DESIGNED TO MATCH

IN16, TOSTEM's new interior series, harmonizes effortlessly with exterior products, offering unified colors, finishes, and forms for a truly seamless living experience, inside and out.



UNIFIED HANDLE PROFILE SHARING THE SAME SIZE, COLOR, MATERIAL, AND TEXTURE

TOSTEM's design philosophy brings unity to your space, ensuring every element speaks the same elegant language.v



OFFER SEAMLESS CONNECTION BETWEEN INTERIOR AND EXTERIOR SPACES

Enhancing the flow and harmony of your environment. With innovative design and cutting-edge technology, TOSTEM's elevates the transition, bringing the outdoors in and vice versa, for a truly fluid and open living experience.

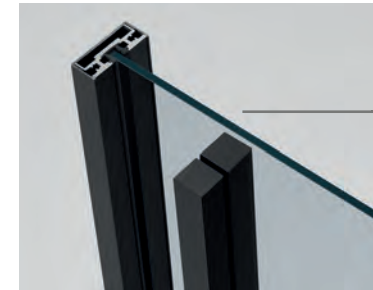


HANGING DOOR

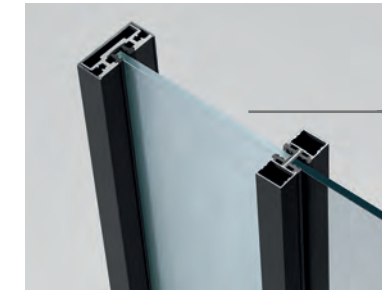
Redefines modern design with its sleek and unified vertical profiles that create a clean, seamless look. TOSTEM's advanced materials ensure smooth, silent operation while maintaining durability and style.



FLOATING HANDLE



DIVIDER HANDLE



HANDLE SELECTIONS

With two distinctive handle options designed to suit different lifestyles and aesthetics while maintaining a unified design language. The floating handle, a compact and minimalist option, blends effortlessly with the door's sleek profile. The divider handle extends from floor to ceiling, creating a strong vertical accent. Both handles share the same size proportions, color palette, and material finish, ensuring seamless visual harmony.



SOFT CLOSE

Smooth and enhance safety, adding a touch of elegance.



TELESCOPIC MOTION

Connected and smooth operation seamlessly adapt into various spaces.



SUSPENSION ROLLER

Ensure smooth and stable sliding system.

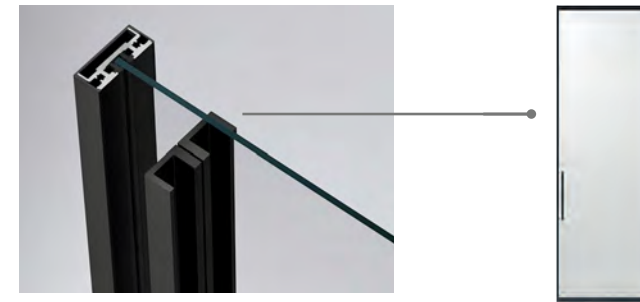


SWING DOOR

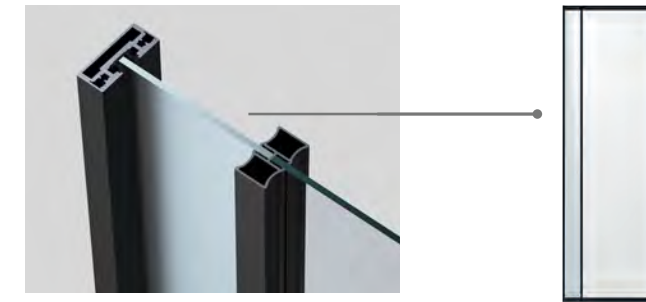
Offers smooth, stable operation with minimal, clean design and unified profiles create a refined look, seamlessly integrating into any interior space.



FLOATING HANDLE



DIVIDER HANDLE



HANDLE SELECTIONS

With two distinctive handle options designed to suit different lifestyles and aesthetics while maintaining a unified design language. The floating handle, a compact and minimalist option, blends effortlessly with the door's sleek profile. The divider handle extends from floor to ceiling, creating a strong vertical accent and can also be applied horizontally, offering greater design flexibility. Both handles share the same size proportions, color palette, and material finish, ensuring seamless visual harmony.



SOFT CLOSE

Add a touch of sophistication to every movement.

PANEL CATCH (OPTIONAL)

Enhance functionality and minimize visual interruptions.



BOUNDLESS FLOOR

A rail-free design that removes boundaries, creating a seamless flow between spaces for connected living.



FIXED DIVIDER

Designed to subtly define spaces while maintaining an open, cohesive flow. With its unified, minimal profiles and precision-engineered construction, it adds structure without disrupting natural light or sightlines.



SEAMLESS AESTHETIC

Ensuring a clean and refined appearance after installation. This attention to detail enhances its minimal profile, allowing the divider to define spaces elegantly without visual clutter.



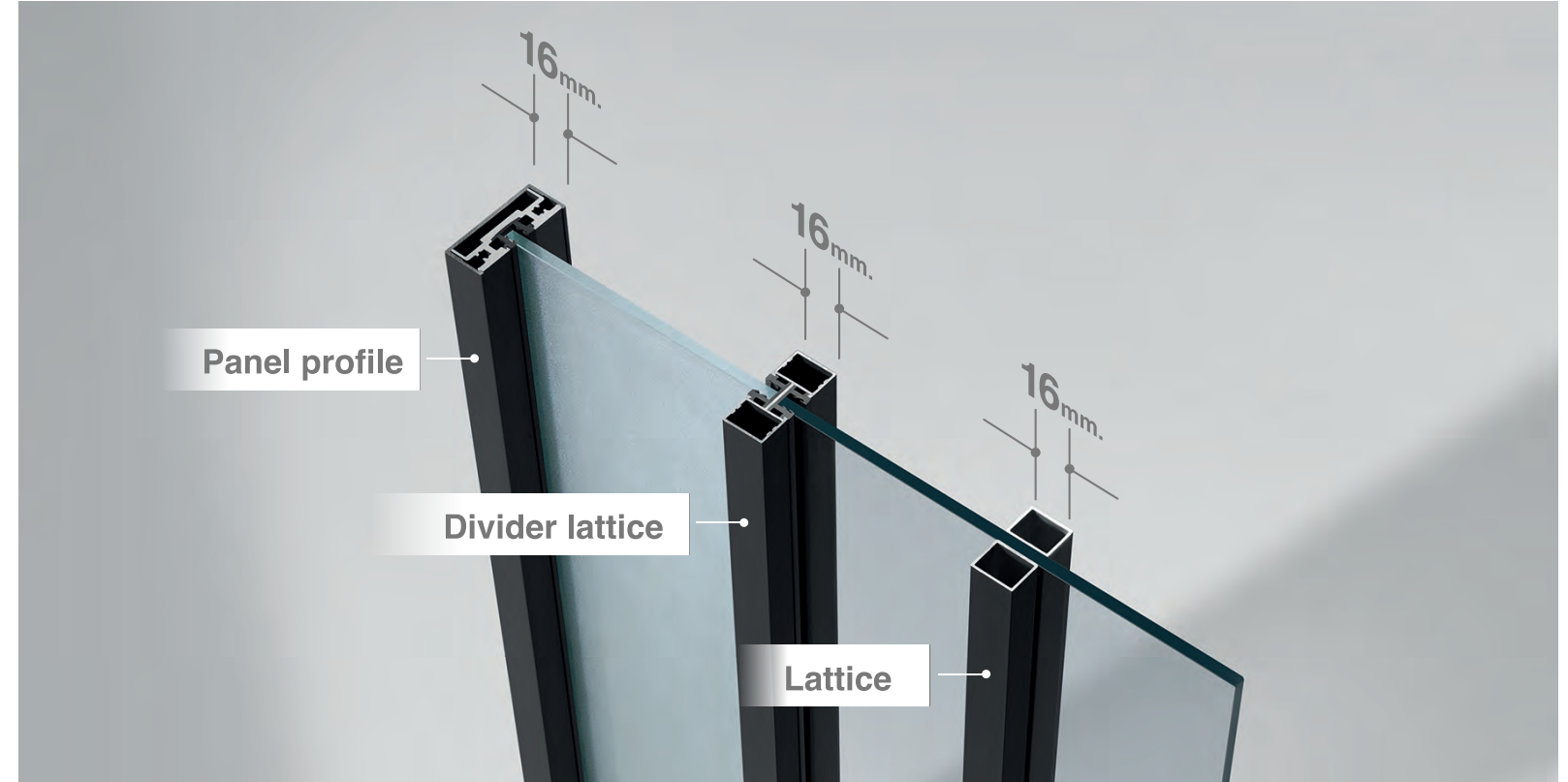
ONE DIVIDER, INFINITE DESIGN

TOSTEM provides a versatile fixed divider solution that can be adapted to suit a wide range of spatial and design requirements. Whether used as a subtle room divider or a bold architectural feature, the fixed divider is designed to integrate seamlessly with your interior concept offering both functionality and visual harmony.



CRAFT YOUR SPACE WITH IN16 SERIES

TOSTEM's IN16 interior series offers customizable lattice patterns, allowing homeowners to tailor the design to match their space. This flexibility ensures a harmonious, seamless visual flow throughout the home, enhancing both style and functions. The lattice can also be used for exterior windows and doors, extending design continuity throughout the entire living environment.



LATTICE COLLECTION

Features unified vertical profiles that create a clean, cohesive look. You can design the arrangement of the vertical profiles to suit your personal style, while also customizing the glass texture to match the desired mood and functionality of your space. This flexibility allows for a truly tailored design that blends seamlessly with the overall architectural vision.



IN16 Series

The simplicity through sophisticated designs that give visually serenity. It's minimalism not for less, but for more.. more connection, more harmony and more spaces that connect lives.

SPECIFICATIONS

	HANGING DOOR	SWING DOOR	FIXED DIVIDER
FRAME DEPTH	1 Track 52 mm 2 Tracks 98 mm 3 Tracks 144 mm 4 Tracks 190 mm	50 mm	50 mm
GLASS THICKNESS	Single glass (5, 6, 8, 10 mm) Laminated glass (3+3, 4+4 mm)		

COLORS

NATURAL WHITE

SHINE GRAY

AUTUMN BROWN

DUSK GRAY

NATURAL BLACK

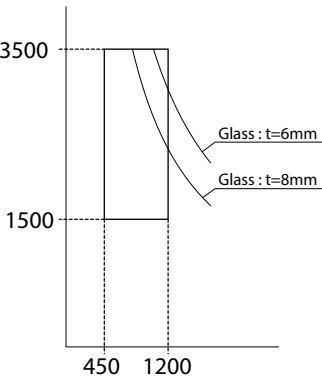
IN16 series

HANGING DOOR

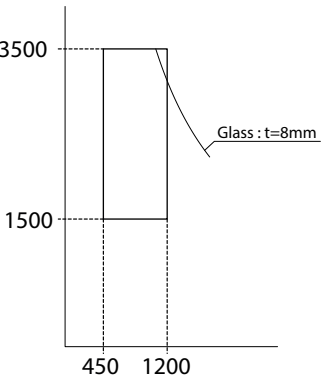


- Graph shows size limitation for 1 panel
- Lock (optional)

Telescopic type



Detached type

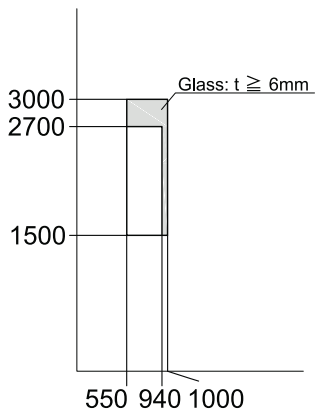


SWING DOOR

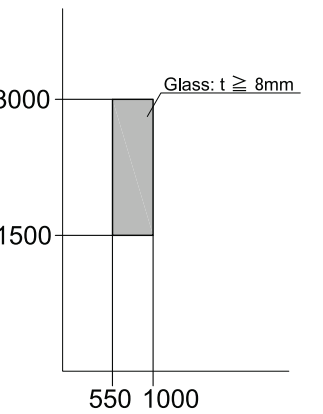


- Select from LR
- Lock (optional)
- Panel catch (optional)

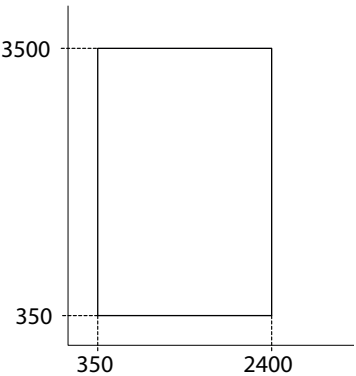
Without lock, divider handle, and divider lattice



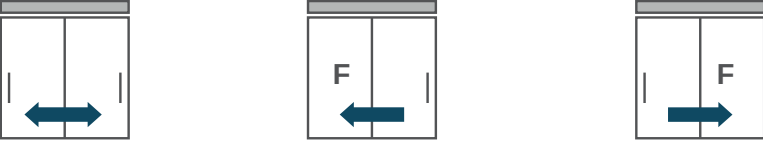
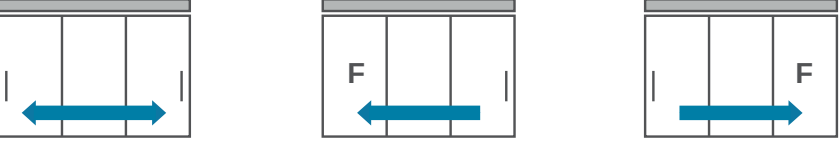
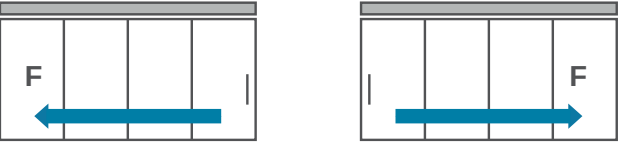
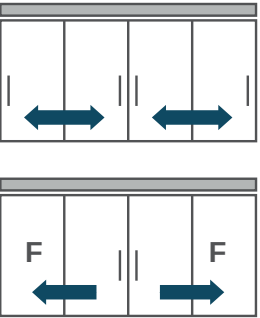
With lock, divider handle, or divider lattice

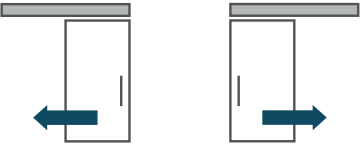
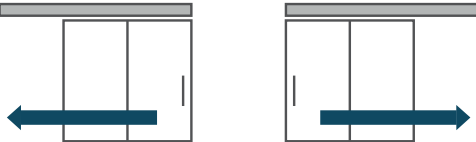
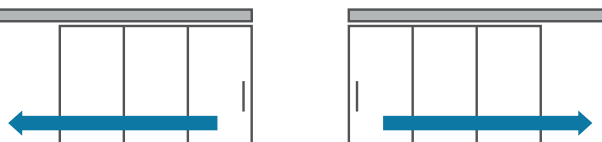
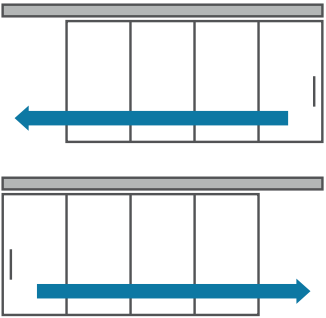
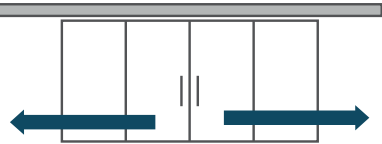


FIXED DIVIDER



HANGING DOOR

	Standard rail
1 panel	
2 panels	 2 tracks
3 panels	 3 tracks
4 panels	 
6 panels	 3 tracks

	Long rail
1 panel	 1 track
2 panels	 2 tracks
3 panels	 3 tracks
4 panels	 
6 panels	 3 tracks

Detached type

Telescopic type



ENTRANCE DOOR Category

GIESTA Series

High quality wood-pattern or metallic finish-doors equipped with user-friendly handle with high security lock system gives better convenience to both family and visitors and make us feel glad to be home.



SPECIFICATIONS

FRAME DEPTH	101.6 mm
HEIGHT OF SILL	Out-swing 50 mm In-swing outside 30 / inside 14 mm
DOOR FRAME	Top and side frame: - Wood pattern type: wood pattern resin sheet, wrapping on aluminum profile with synthetic rubber - Painted type: anodized aluminum profile Sill: Anodized aluminum profile
DOOR PANEL	External sheet: - Wood pattern type: (External) resin laminated sheet / (Internal) anti-rust epoxy coating - Polystyrene (EPS foam) Insulating glass thickness 23 mm (cleared 3 + air gap 16 + patterned glass 4)

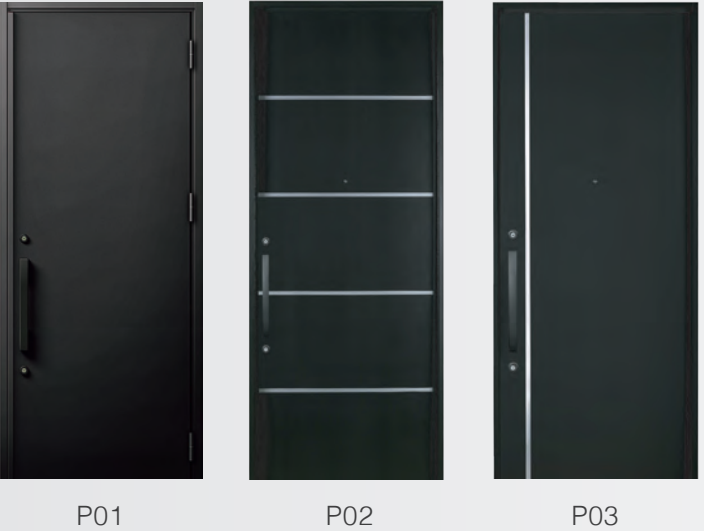
PERFORMANCES

 WIND PRESSURE	 WATER TIGHTNESS	 AIR TIGHTNESS	 NOISE INSULATION
S-2 (1200PA) (JIS A 1515)	W-2 (150PA) (JIS A 1517)	A-4 (2) (JIS A 1516)	N/A (JIS A 1416)

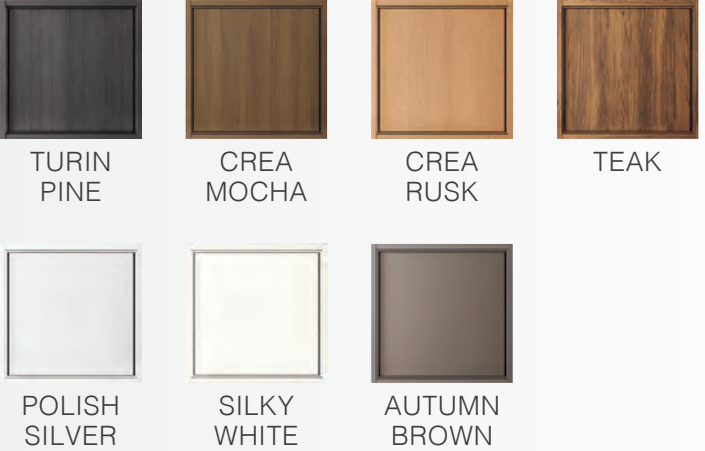


SIMPLE AND
MINIMALISTIC

DESIGNS



COLORS



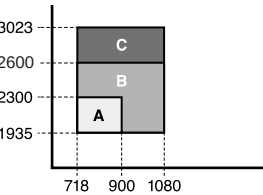
WOOD PATTERN



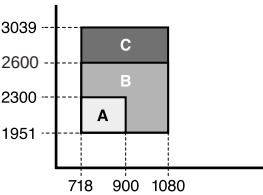
SINGLE



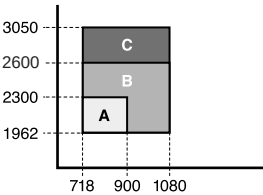
IN-SWING (no sill)



IN-SWING

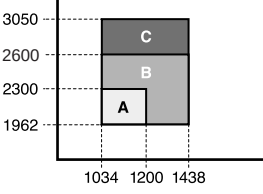
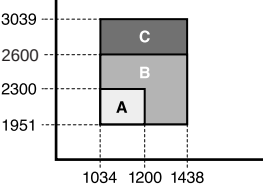
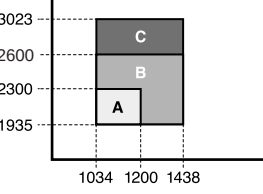
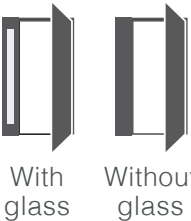


OUT-SWING

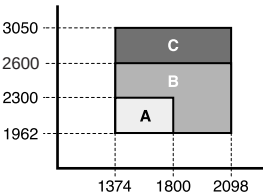
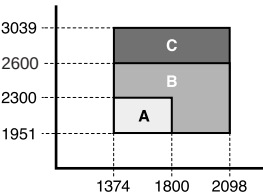
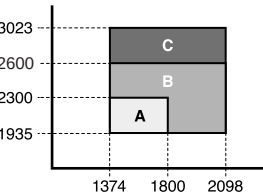


WITH SIDELIGHT

Width of sidelight [SW]
 $1034 \leq W \leq 1248 : SW = 304$
 $1249 \leq W \leq 1438 : SW = 346$



DOUBLE



* A, B, C indicates price changing points. (A<B<C)



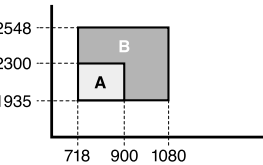
ALUMINUM PATTERN



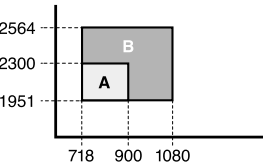
SINGLE



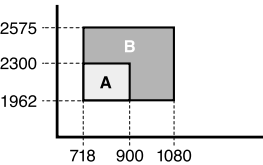
IN-SWING (no sill)



IN-SWING

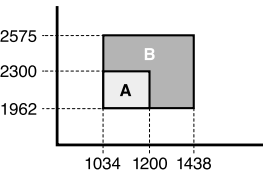
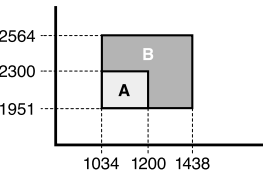
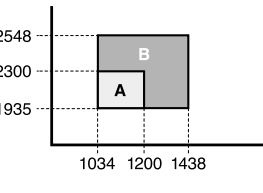
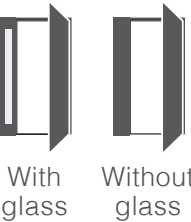


OUT-SWING

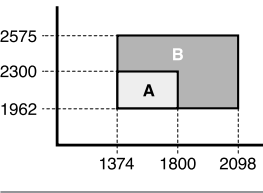
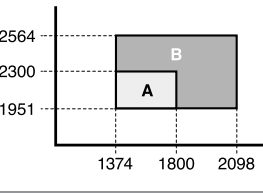
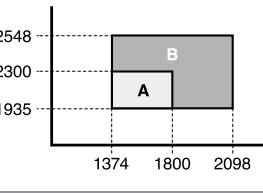


WITH SIDELIGHT

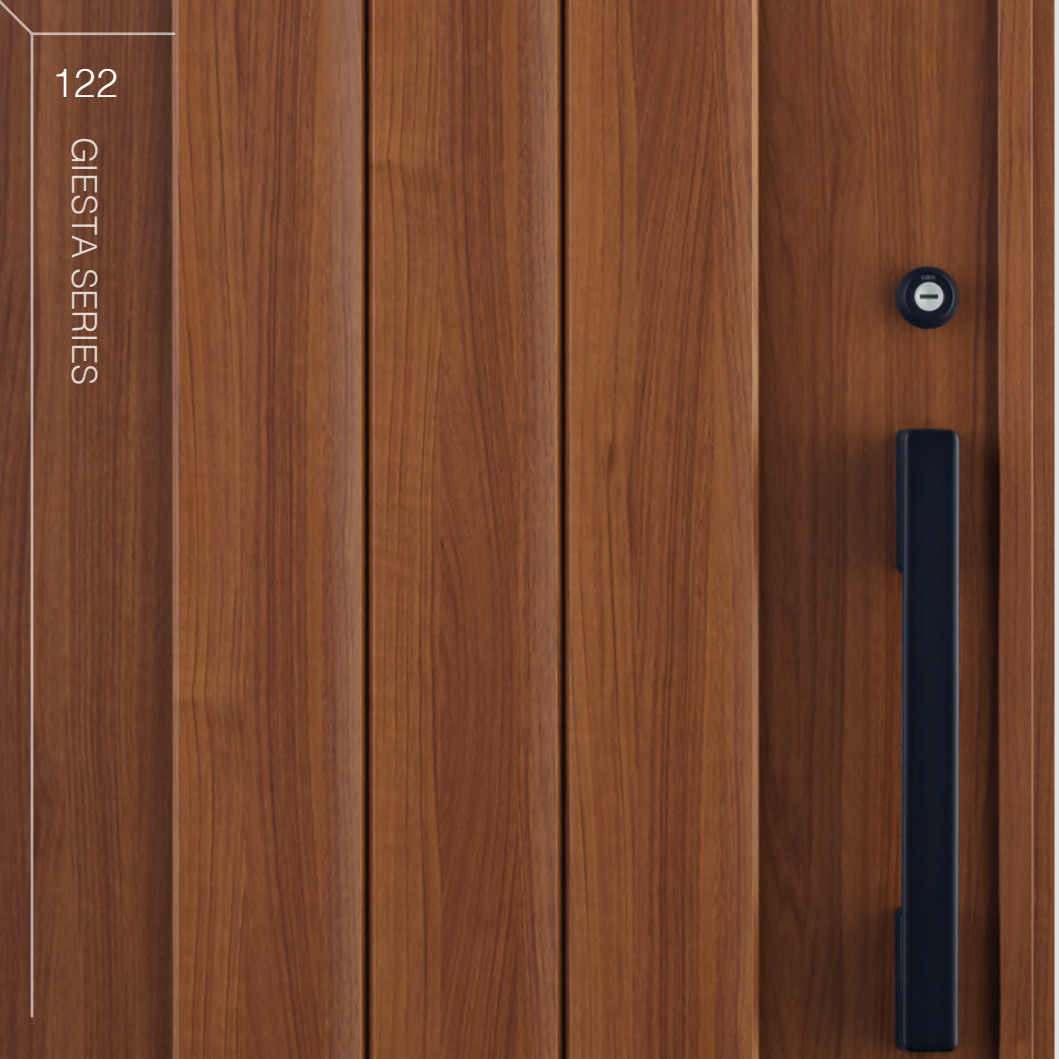
Width of sidelight [SW]
 $1034 \leq W \leq 1248 : SW = 304$
 $1249 \leq W \leq 1438 : SW = 346$



DOUBLE



* A, B, C indicates price changing points. (A<B<C)



MODERN BUT
TRADITIONAL

DESIGNS

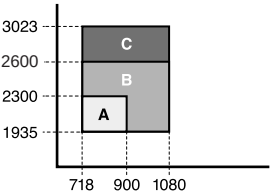
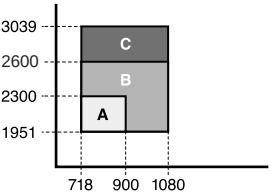
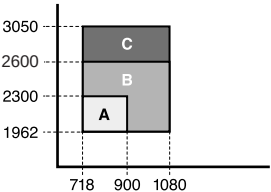
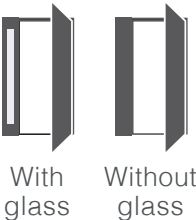
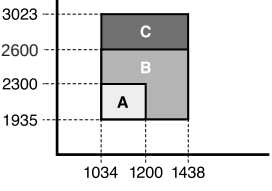
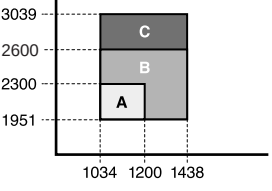
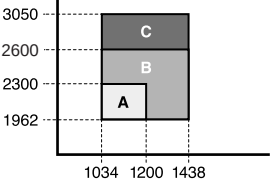
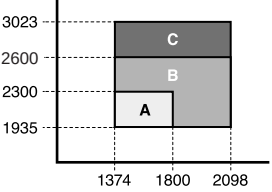
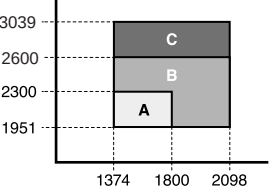
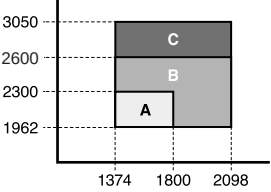


D01 D02 D03

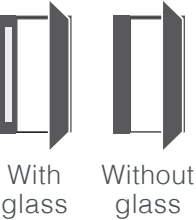
COLORS



TURIN
PINE CREA
MOCHA CREA
RUSK TEAK

	WOOD PATTERN		IN-SWING (no sill)	IN-SWING	OUT-SWING
	SINGLE				
					
	WITH SIDELIGHT				
	DOUBLE				

* A, B, C indicates price changing points. (A<B<C)

	ALUMINUM PATTERN		IN-SWING (no sill)	IN-SWING	OUT-SWING
	SINGLE		N/A	N/A	N/A
					
	WITH SIDELIGHT		N/A	N/A	N/A
	DOUBLE		N/A	N/A	N/A

GLASS
WITH STYLE

DESIGNS



G01 G02 G03 G04

COLORS



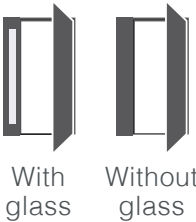
WOOD PATTERN

SINGLE



WITH SIDELIGHT

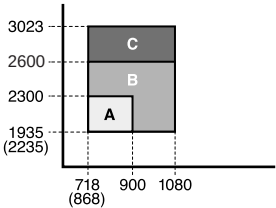
Width of sidelight [SW]
 $1034 \leq W \leq 1248 : SW = 304$
 $1249 \leq W \leq 1438 : SW = 346$



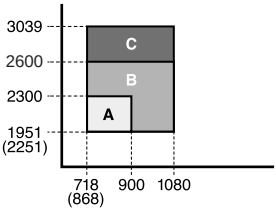
DOUBLE



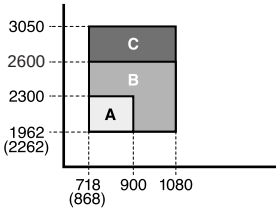
IN-SWING (no sill)



IN-SWING



OUT-SWING



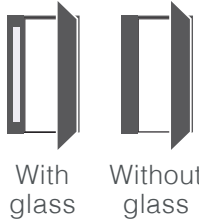
ALUMINUM PATTERN

SINGLE



WITH SIDELIGHT

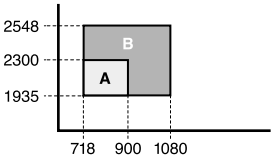
Width of sidelight [SW]
 $1034 \leq W \leq 1248 : SW = 304$
 $1249 \leq W \leq 1438 : SW = 346$



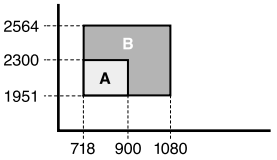
DOUBLE



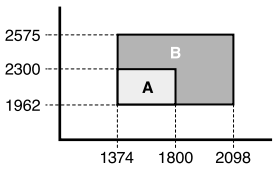
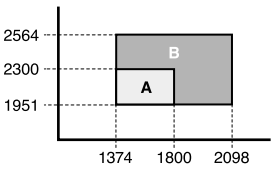
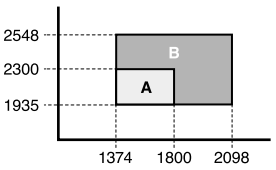
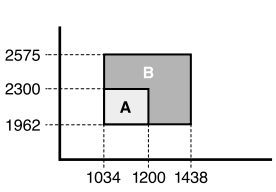
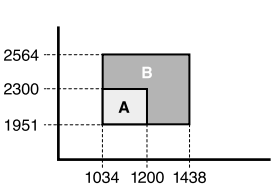
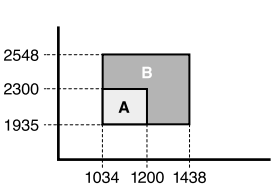
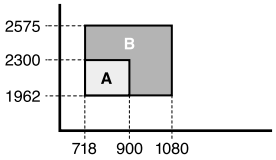
IN-SWING (no sill)



IN-SWING



OUT-SWING



* A, B, C indicates price changing points. (A<B<C)
** Dimension indicated in () are the minimum dimension for G01 design



COMFORT WITH
MINIMAL DESIGN

DESIGN



A01

COLORS



TURIN
PINE



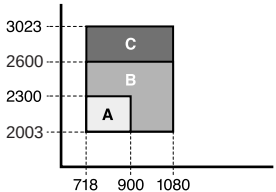
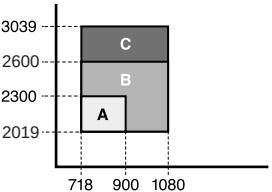
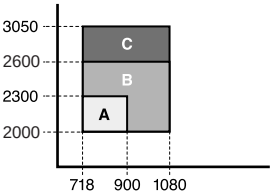
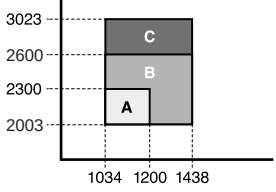
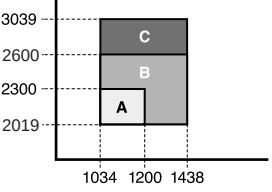
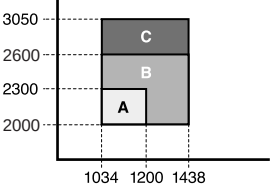
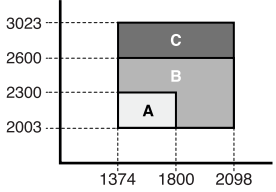
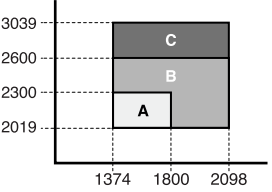
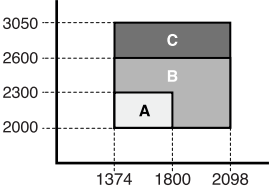
CREA
MOCHA



CREA
RUSK



TEAK

	WOOD PATTERN		IN-SWING (no sill)	IN-SWING	OUT-SWING
	SINGLE				
	WITH SIDELIGHT Width of sidelight [SW] 1034 ≤ W ≤ 1248 : SW = 304 1249 ≤ W ≤ 1438 : SW = 346	 With glass  Without glass			
	DOUBLE				

* A, B, C indicates price changing points. (A<B<C)

	ALUMINUM PATTERN		IN-SWING (no sill)	IN-SWING	OUT-SWING
	SINGLE		N/A	N/A	N/A
	WITH SIDELIGHT Width of sidelight [SW] 1034 ≤ W ≤ 1248 : SW = 304 1249 ≤ W ≤ 1438 : SW = 346	 With glass  Without glass	N/A	N/A	N/A
	DOUBLE		N/A	N/A	N/A

GIESTA AIRFLOW Series

A PERFECT SOLUTION FOR YOUR OWN COMFORT WITH MINIMAL DESIGN

The Giesta AIRFLOW series offers a high-performance wooden pattern steel door with an integrated AIRFLOW window and insect screen. It allows for air circulation to cool the living space, reduce humidity, and remove unpleasant odors. The ventilation panel is wide enough to let the air flow in easily but too small to be entered from, providing added security with a multi-lock function. Giesta AIRFLOW is Japanese Industrial Standards (JIS) certified and has won Japan's KIDS Design Award for its user-friendly and child safety design.



COMPLETE AIR FLOW WITH SECURITY



KEEP MOSQUITO AND PEST AWAY FROM YOUR HOME



PROVIDE PASSIVE VENTILATION ENVIRONMENT



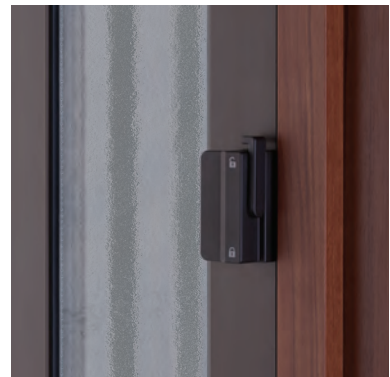
LIFT LOCK HANDLE TO UNLOCK



PULL DOWN LOCK HANDLE FOR VENTILATION

SIMPLE OPEN / CLOSE OPERATION

AIRFLOW window is swing-in and can lock and unlock easily by using single lock handle to control 2 locks (Multi-lock). Open-close smoothly with high performance hinge.

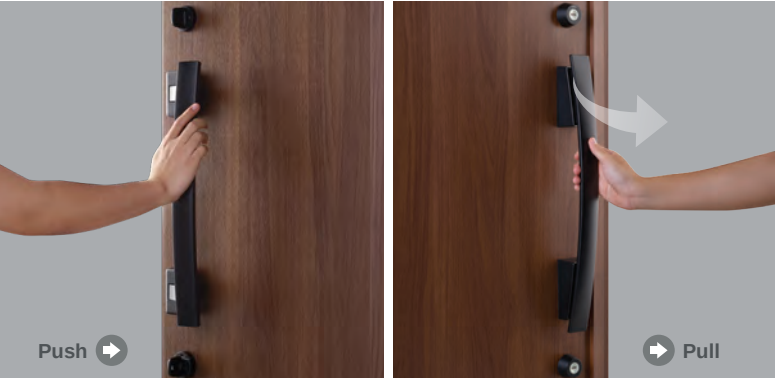


EASY TO CLEAN

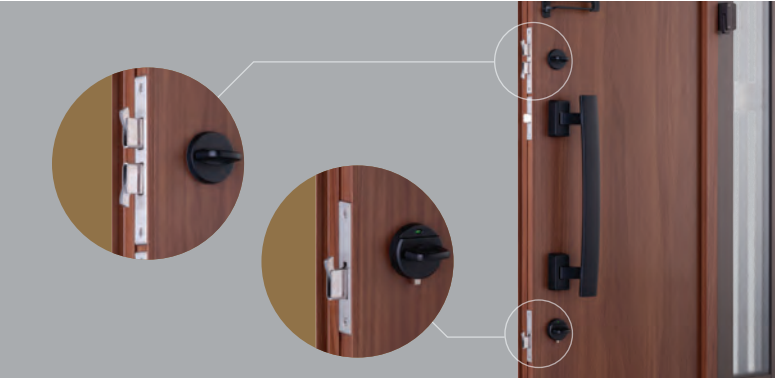
Deep clean every corner without removing any part by spraying water from garden hose to insect screen from outside the room (please make sure that the AIRFLOW window and the door is completely closed)



UNIQUE FEATURES



PUSH-PULL BAR HANDLE EASY TO OPERATE JUST PUSH OR PULL AFTER UNLOCK TO OPEN THE DOOR



2 LOCKS THAT CONTROL 3 LATCHES



REMOVE INSIDE KEY HEAD TO PREVENT FROM UNLOCK IN CASE OF BURGLARY



LOCK-UNLOCK WITH EASE WITH REVERSIBLE KEY

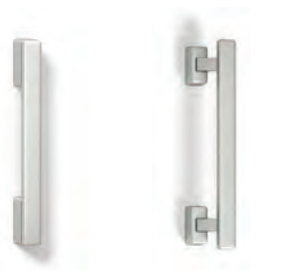


FRAME SEALED WITH RUBBER FOR WATERTIGHT AND ANTI-PINCH



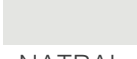
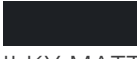
DOOR FILLED WITH INSULATION MATERIAL FOR HEAT PREVENTION AND NOISE INSULATION

HANDLES

BAR HANDLE TYPE A		BAR HANDLE TYPE F		LEVER HANDLE TYPE K		LEVER HANDLE TYPE L	
							
OUTSIDE INSIDE		OUTSIDE INSIDE		OUTSIDE / INSIDE		OUTSIDE / INSIDE	
							
BLAST SILVER SILKY MATTE BLACK		BLAST SILVER SILKY MATTE BLACK		SATIN GOLD SILKY MATTE BLACK		BLAST SILVER SILKY MATTE BLACK	
Apply for Out-Swing door only		Apply for Out-Swing door only		Apply for both Out-Swing and In-Swing door		Apply for both Out-Swing and In-Swing door	

DIGITAL HANDLE		DIGITAL HANDLE		BAR HANDLE TYPE V	
					
OUTSIDE INSIDE		OUTSIDE INSIDE		OUTSIDE INSIDE	
					
SILVER BLACK		SILVER BLACK		SILVER BLACK	
Apply for both Out-Swing and In-Swing door		Apply for Out-Swing door only		Apply for In-Swing door only	

ACCESSORIES

OUT-SWING DOOR		IN-SWING DOOR	
DOOR CLOSER	DOOR GUARD	DOOR CLOSER	DOOR GUARD
			
			
AUTUMN BROWN SHINE GRAY	BLAST SILVER SATIN GOLD	AUTUMN BROWN SHINE GRAY	SILVER
			
NATRAL WHITE	SILKY MATTE BLACK		
ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM

CYLINDER LOCK & KEY	
CYLINDER LOCK	
	
OUTSIDE	INSIDE
THUMB TURN IS IN HANDLE BOX CYLINDER CONSTRUCTION KEYS: 3 OWNER KEYS: 5	
	
BLAST SILVER SATIN GOLD SILKY MATTE BLACK	
STEEL	



ALUMINUM EXTERIOR Category

FENCE & GATE EXTERIOR Series

FENCE & GATE is a perfect fencing choice for your residence.

Our fence and gate solutions will enhance the look, feel and overall value of your property, while providing safety and security your family.

FEATURES

- 

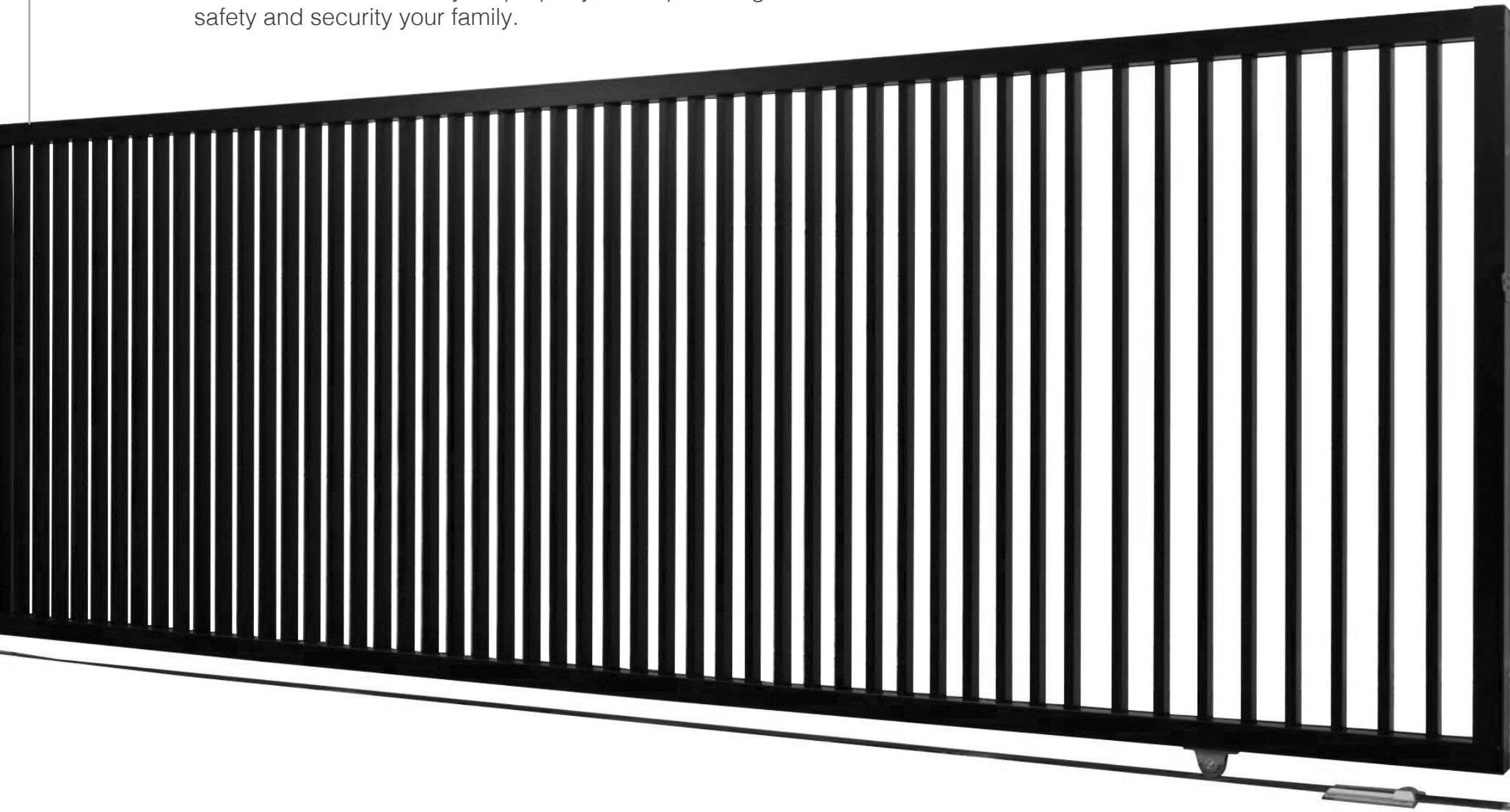
ULTRA LIGHTWEIGHT
- 

IMPACT TEST
- 

EFFORTLESS MOVEMENT
- 

LOW MAINTENANCE
- 

ANTI-RUST DURABILITY



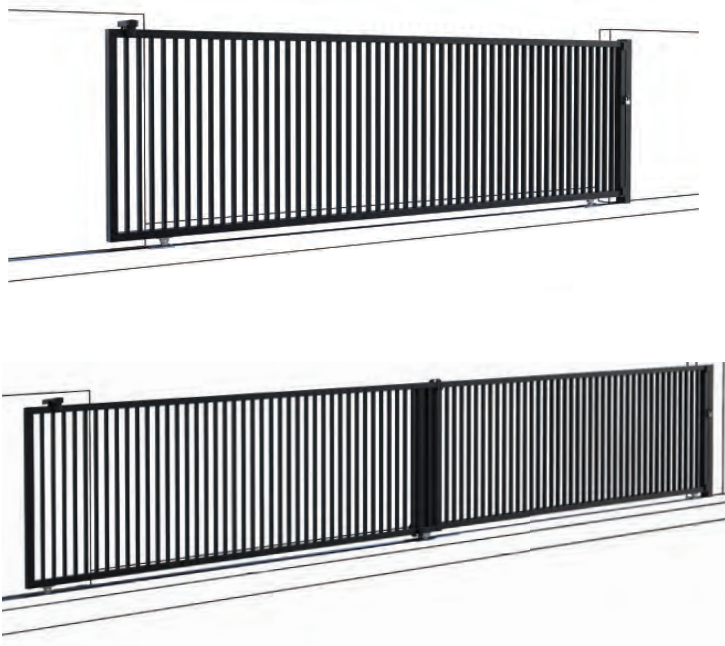
COLORS



LATTICE PATTERN

SHAPE OF LATTICE	PITCH 60	PITCH 80	PITCH 100	PITCH 120	PITCH 140
SLIDING GATE					
FOLDING GATE / SWING GATE / FENCE					

SLIDING GATE



SINGLE SLIDING GATE	MINIMUM	MAXIMUM
WIDTH (Opening width)	2,100 mm	5,600 mm
HEIGHT (Product height)	1,200 mm	2,000 mm

DOUBLE SLIDING GATE	MINIMUM	MAXIMUM
WIDTH (Opening width)	5,000 mm	8,000 mm
HEIGHT (Product height)	1,200 mm	1,600 mm

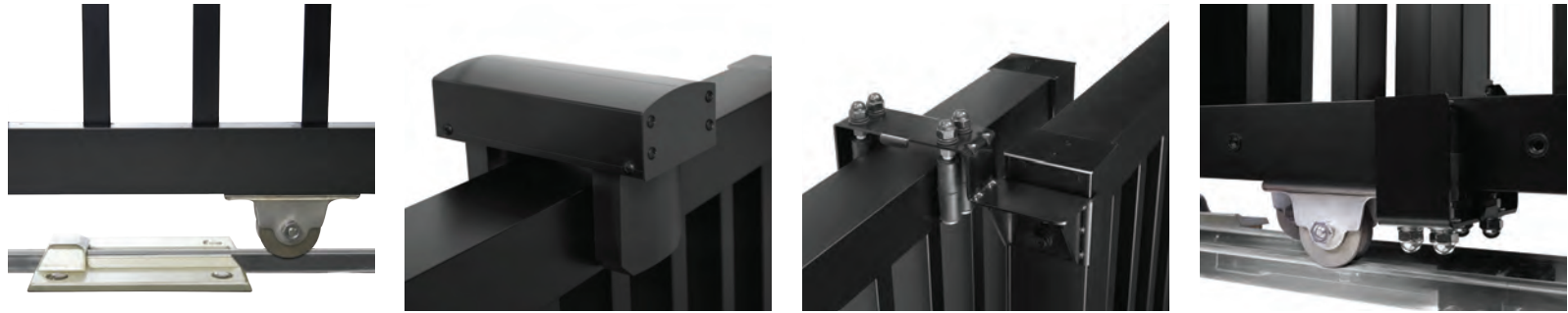
* Please see reference drawing for detail

UNIQUE FEATURES



Square pipe design provides strength and durability

Durable stainless-steel wheel and track enable light and smooth gliding.



Wheel stopper ensures stop and hold when gate is closed

Panel guide for safety to hold panel when gliding for single panel type

Panel guide to hold both panels when gliding for safety for double panels type

FOLDING GATE



4 PANELS FOLDING GATE	MINIMUM	MAXIMUM
WIDTH (Opening width)	3,000 mm	4,900 mm
HEIGHT (Product height)	1,200 mm	1,600 mm

6 PANELS FOLDING GATE	MINIMUM	MAXIMUM
WIDTH (Opening width)	4,300 mm	6,000 mm
HEIGHT (Product height)	1,200 mm	1,600 mm

* Please see reference drawing for detail

UNIQUE FEATURES



HINGES

ROLLERS

DROP ROD

SWING GATE



SINGLE SWING GATE	MINIMUM	MAXIMUM
WIDTH (Opening width)	600 mm	1,100 mm
HEIGHT (Product height)	1,200 mm	1,600 mm
DOUBLE SWING GATE	MINIMUM	MAXIMUM
WIDTH (Opening width)	1,080 mm	2,080 mm
HEIGHT (Product height)	1,200 mm	1,600 mm

* Please see reference drawing for detail

UNIQUE FEATURES



HINGES



DROP ROD

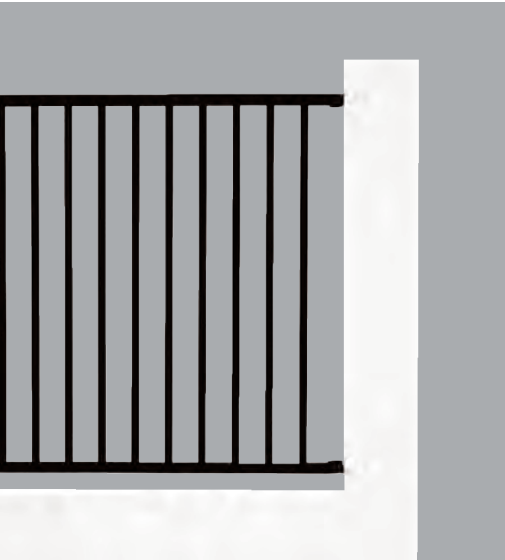
FENCE



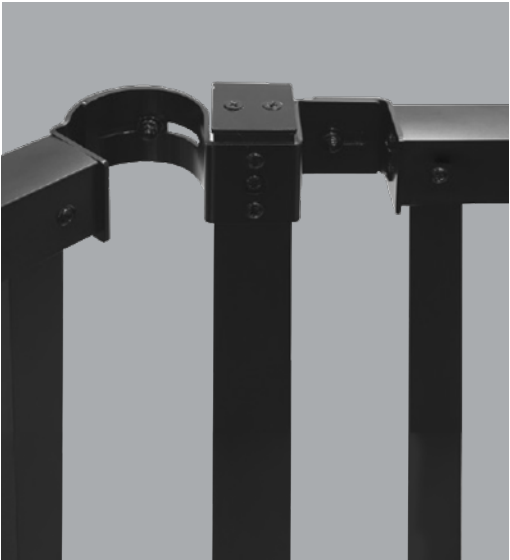
	MINIMUM	MAXIMUM
WIDTH (Opening width)	500 mm	2,000 mm
HEIGHT (Product height)	600 mm	1,200 mm

* Please see reference drawing for detail

UNIQUE FEATURES



Minimalist slim design yet sturdy. Wall anchor can be adjusted up to 7.5 mm



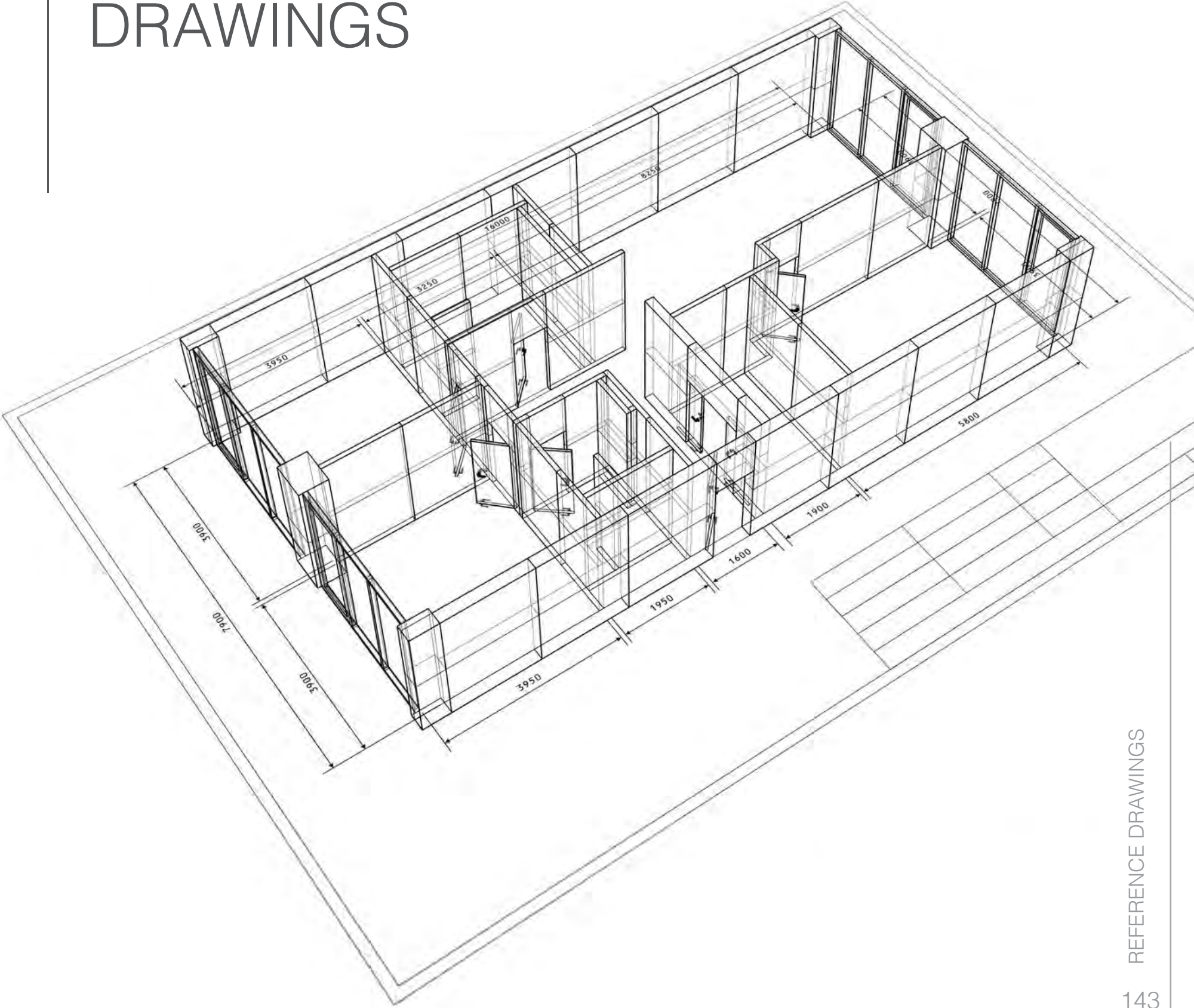
Straight and corner type fence jointer available. Adjustable from 90-180 degrees



Fence post with concrete surface mount with cover. Set-in-concrete type also available

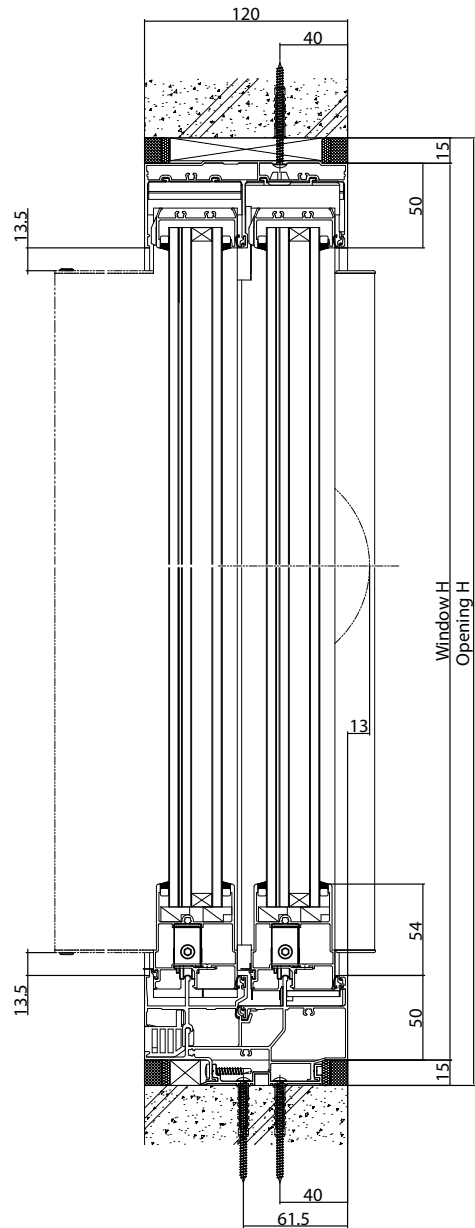


REFERENCE DRAWINGS

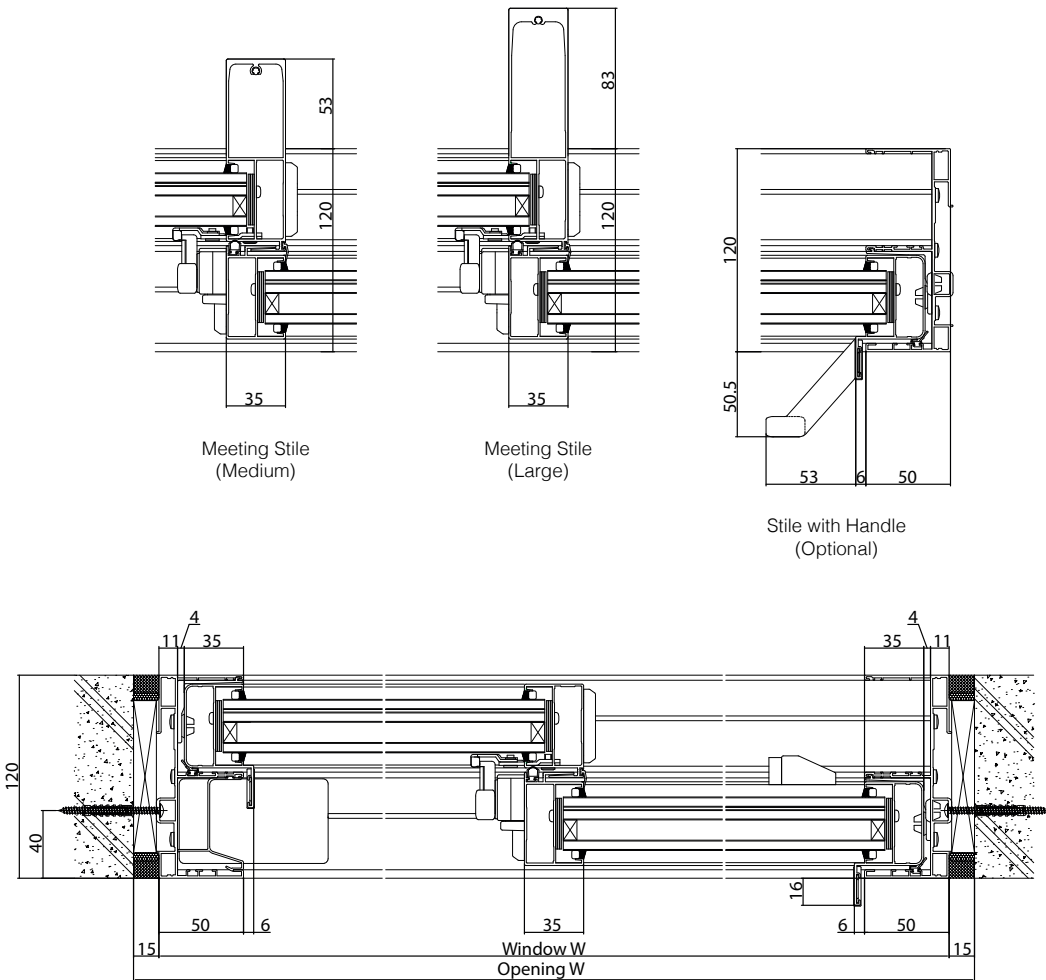


GRANTS PLUS

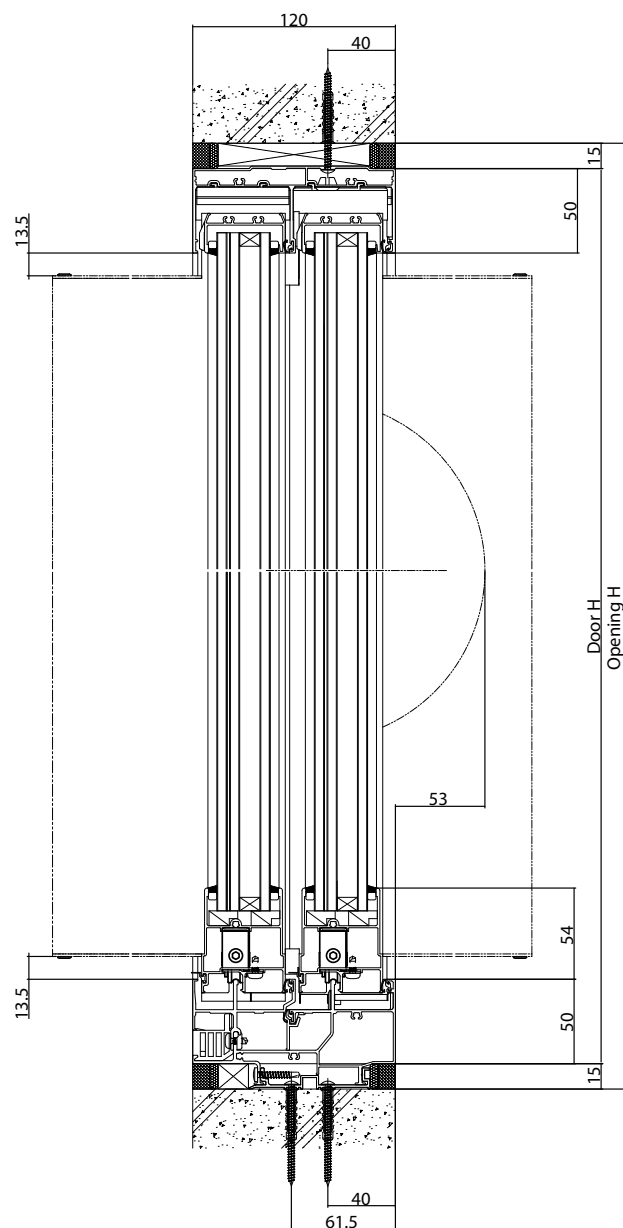
SLIDING (2P2T)



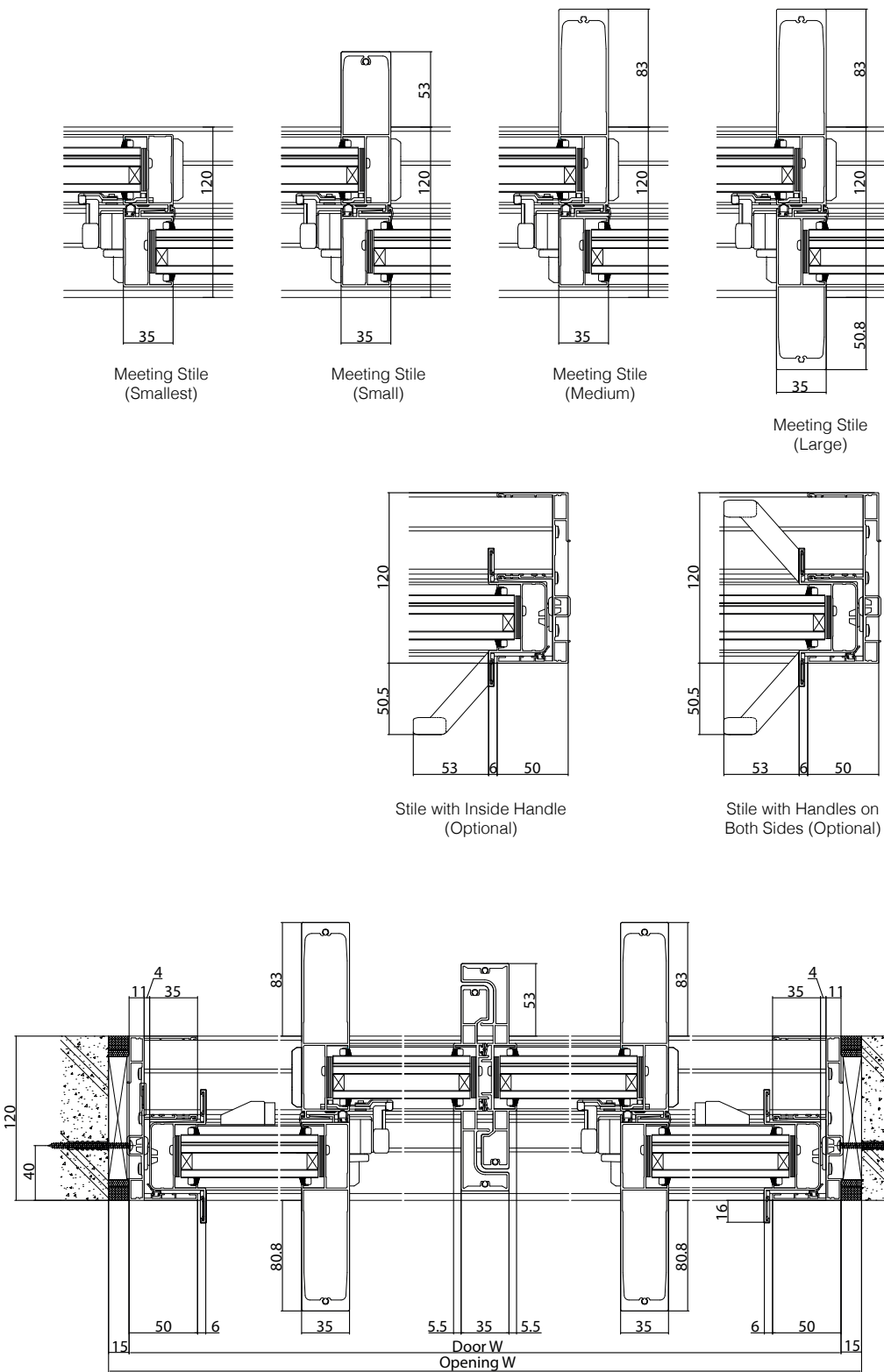
Vertical section: Sliding window
(2 panels on 2 tracks)



Horizontal section: Sliding window (2 panels on 2 tracks)



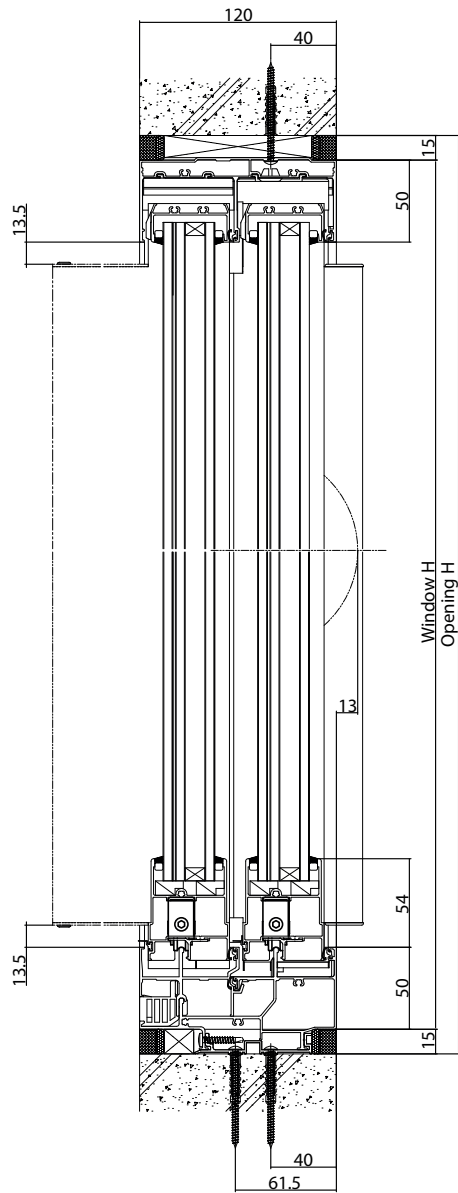
Vertical section: Sliding door
(2 panels on 2 tracks)



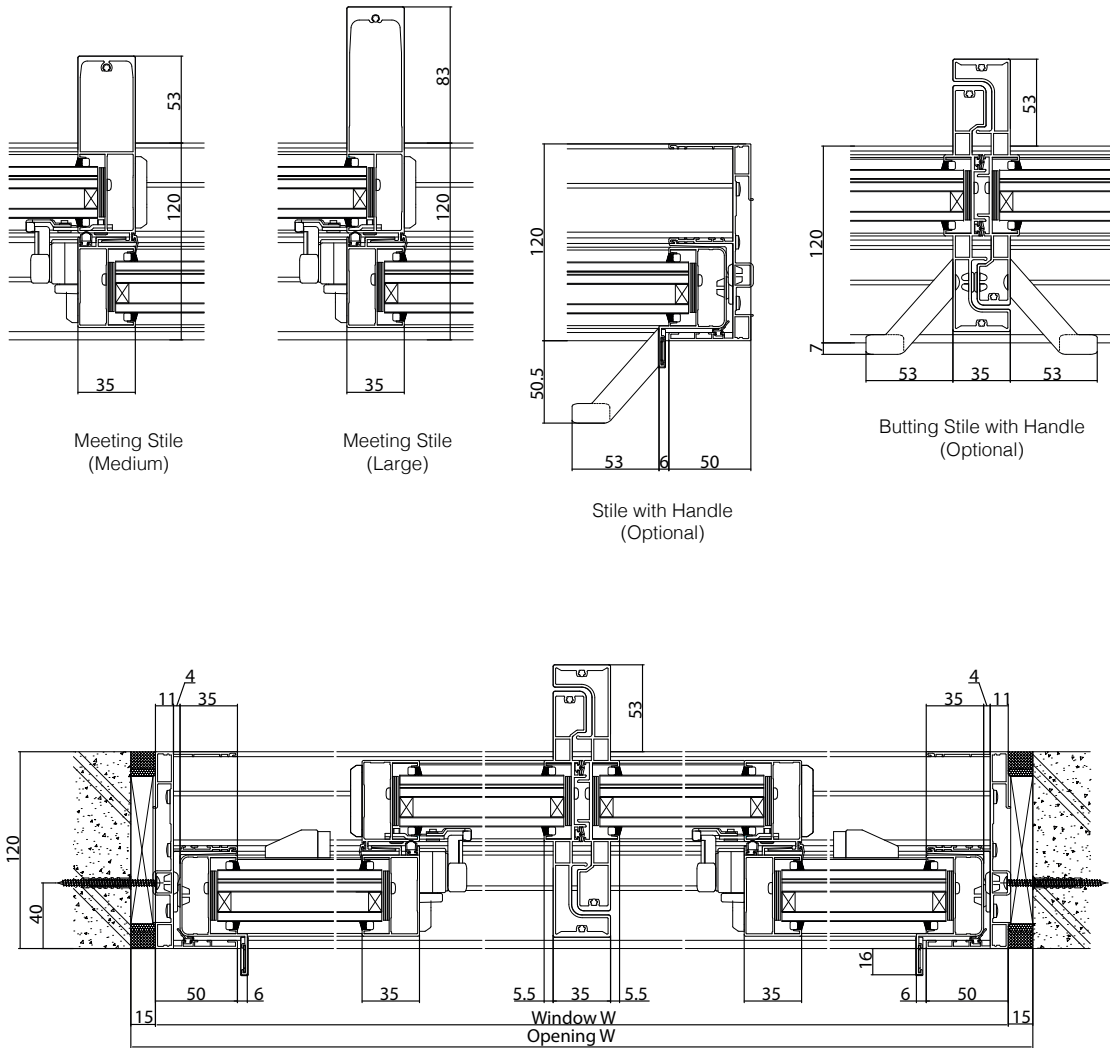
Horizontal section: Sliding door (4 panels on 2 tracks)

GRANTS PLUS

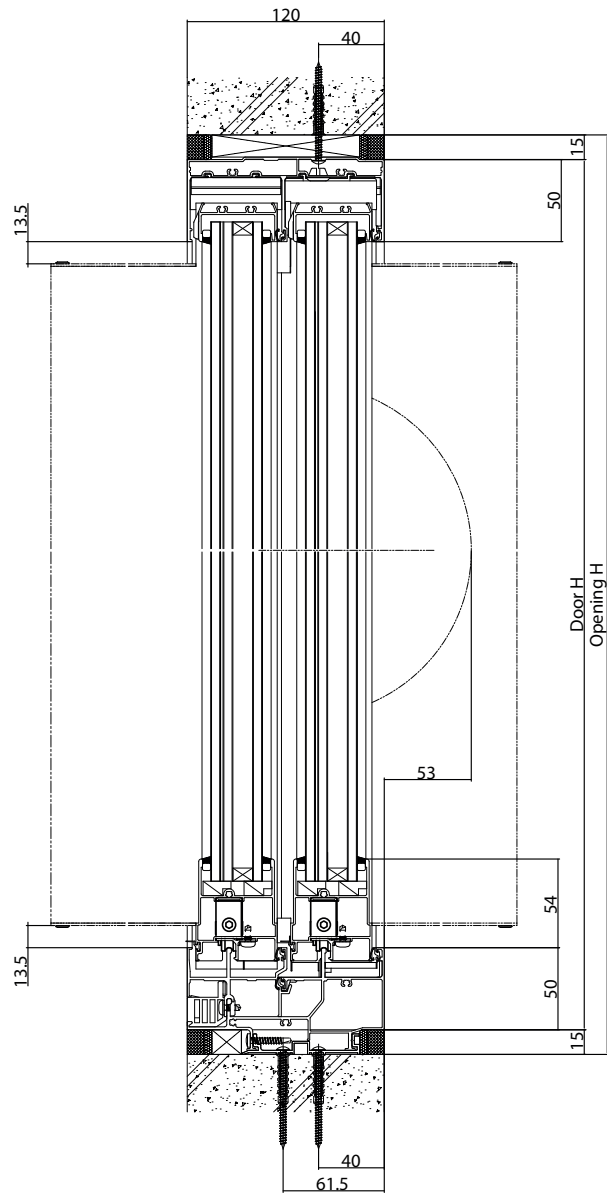
SLIDING (4P2T)



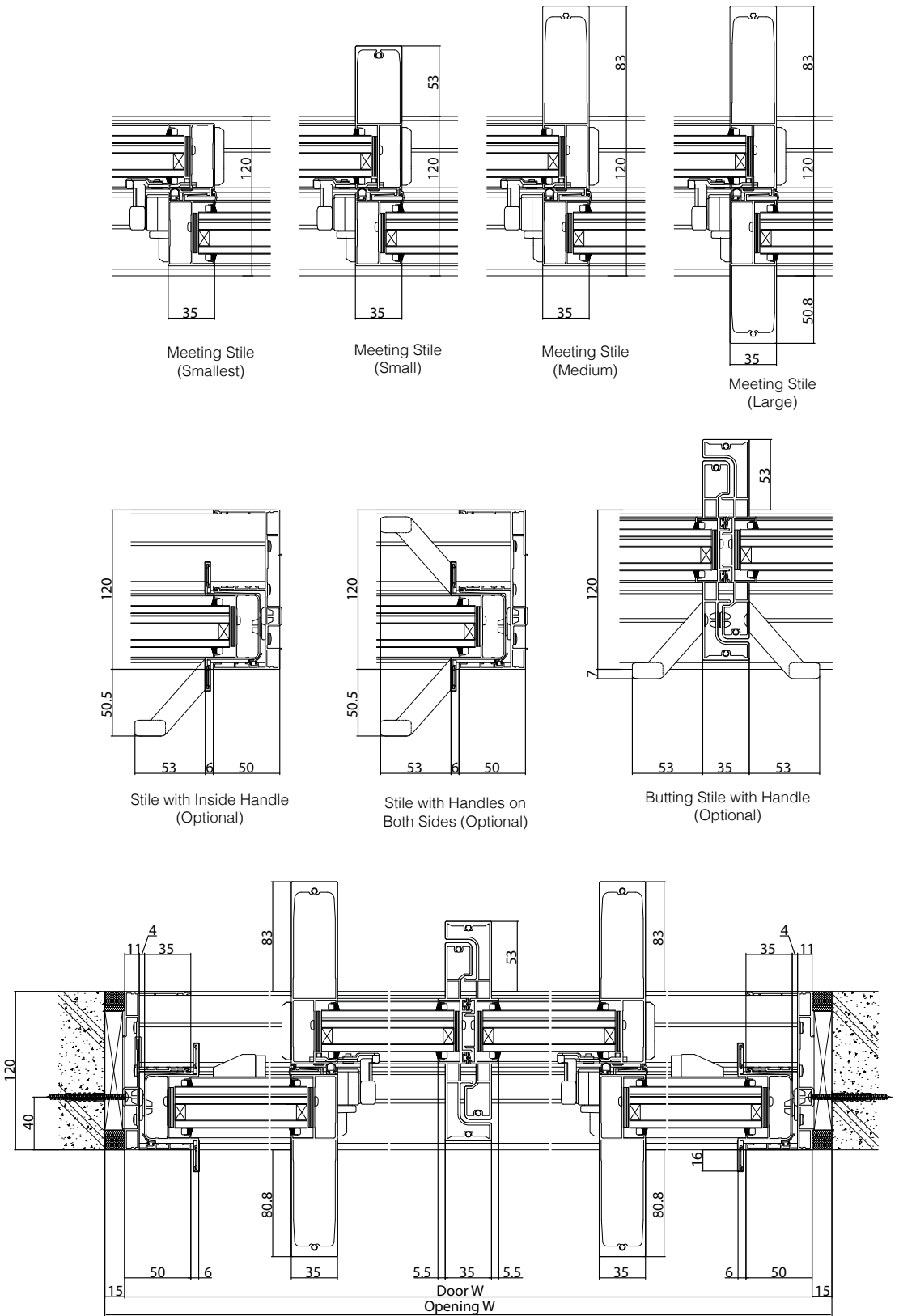
Vertical section: Sliding window
(4 panels on 2 tracks)



Horizontal section: Sliding window (4 panels on 2 tracks)



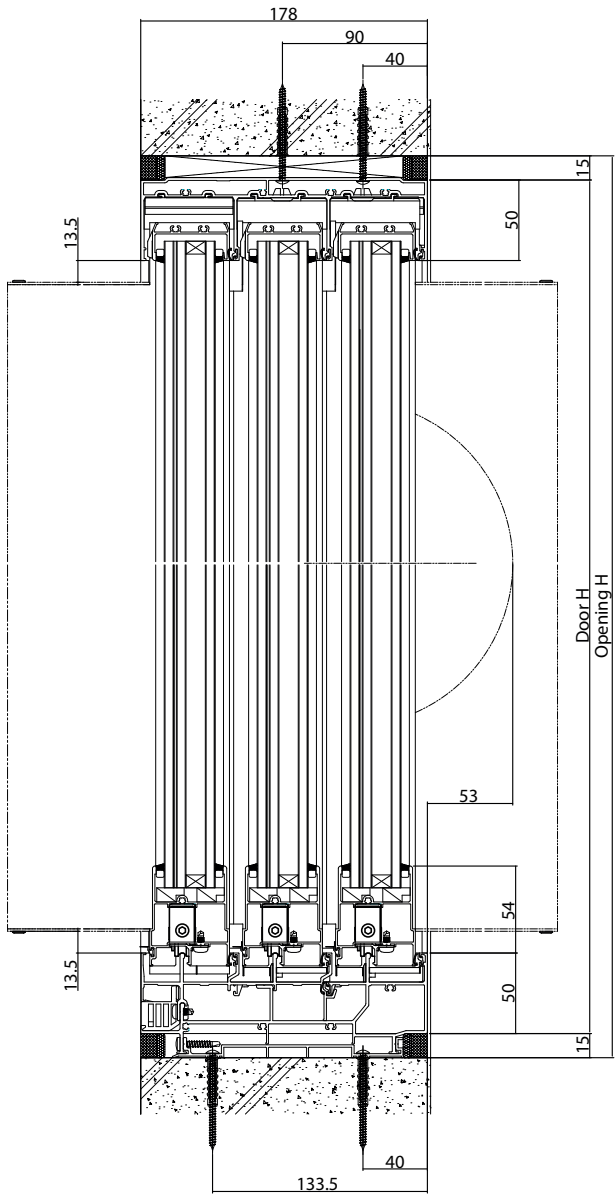
Vertical section: Sliding door
(4 panels on 2 tracks)



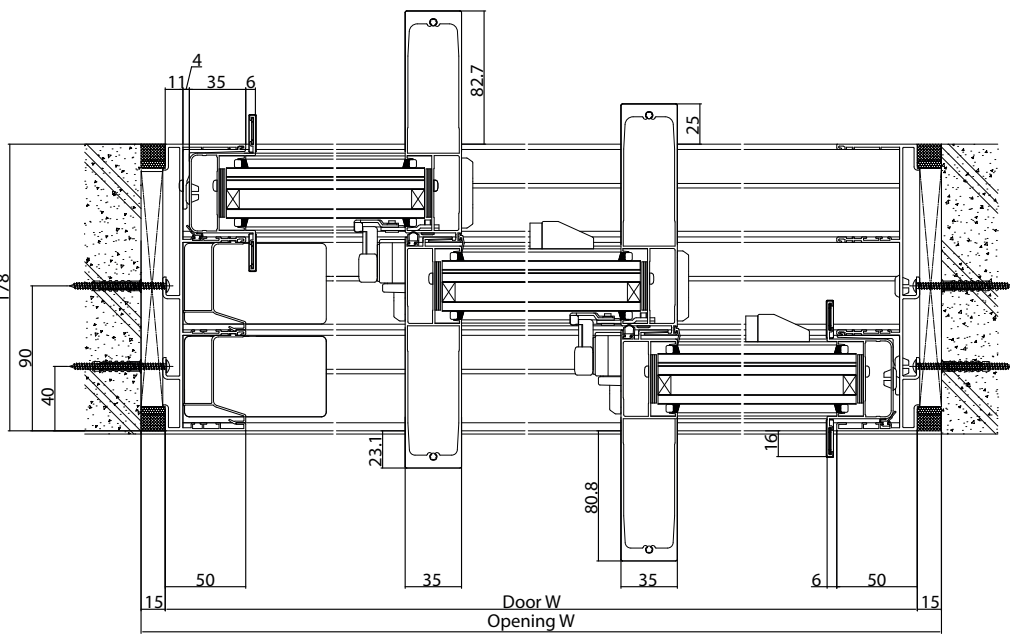
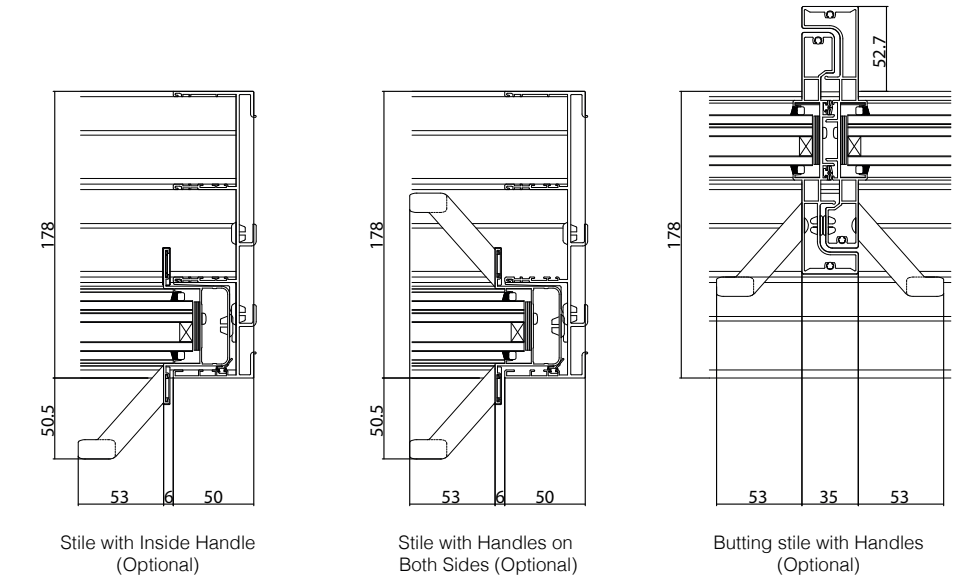
Horizontal section: Sliding door (4 panels on 2 tracks)

GRANTS PLUS

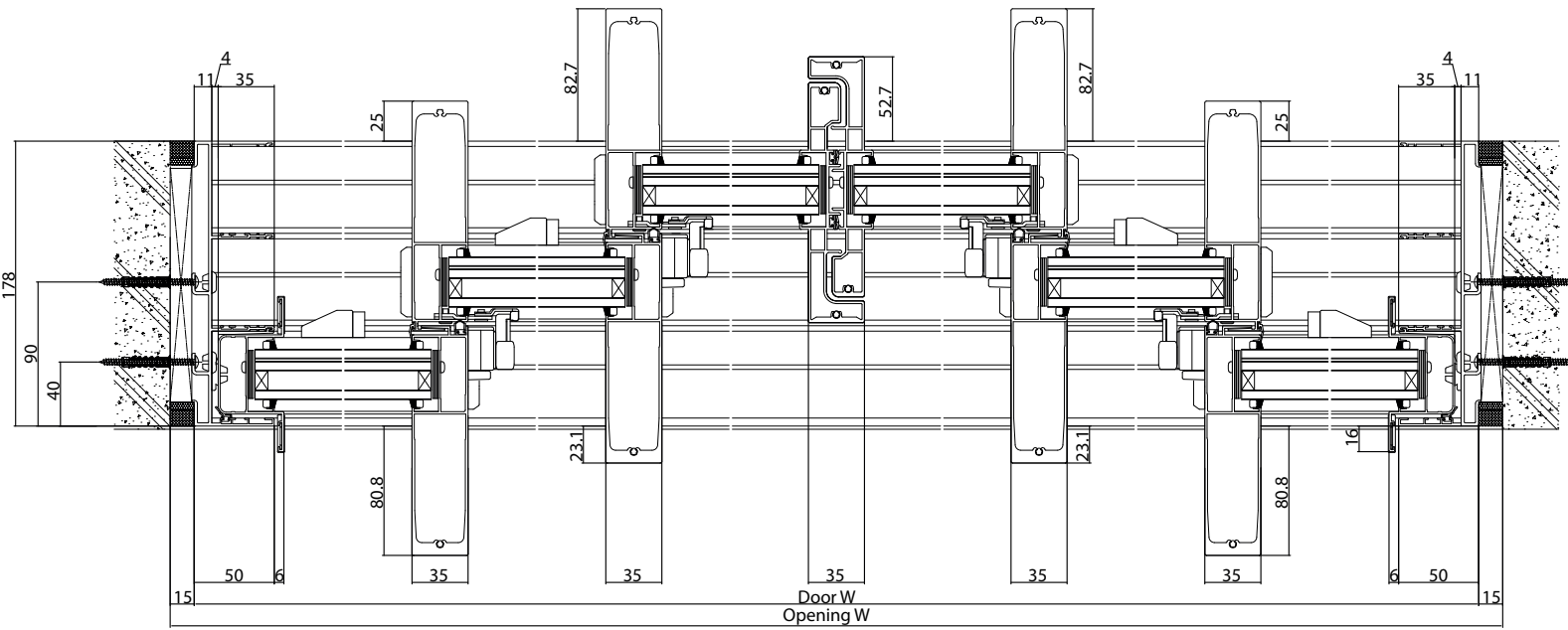
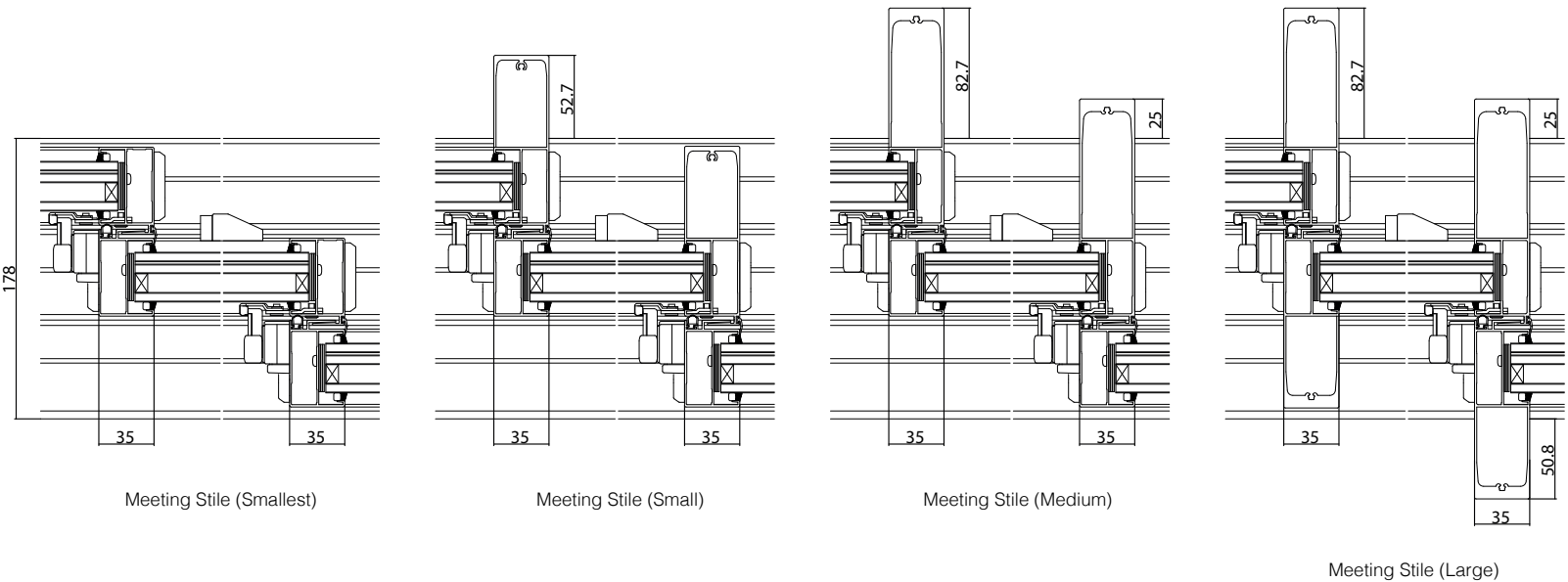
SLIDING (3P3T, 6P3T)



Vertical section: Sliding door
(3 and 6 panels on 3 tracks)



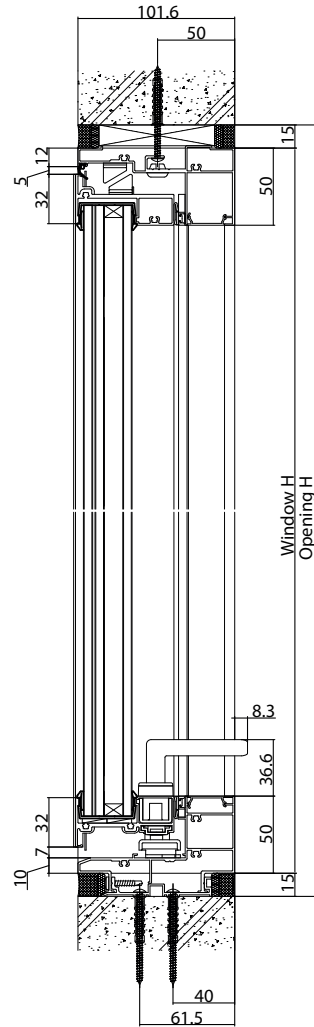
Horizontal section: Sliding door (3 panels on 3 tracks)



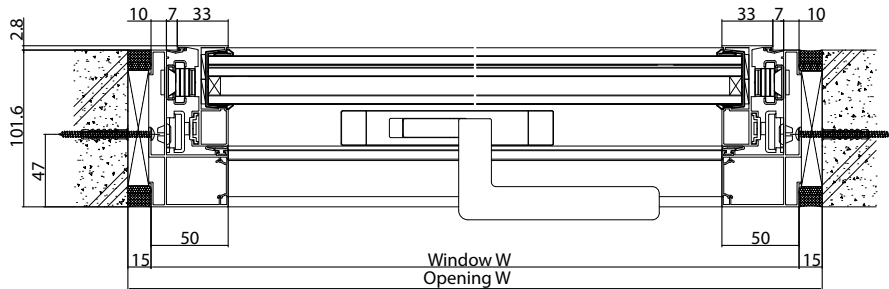
Horizontal section: Sliding door (6 panels on 3 tracks)

GRANTS PLUS

AWNING WINDOW



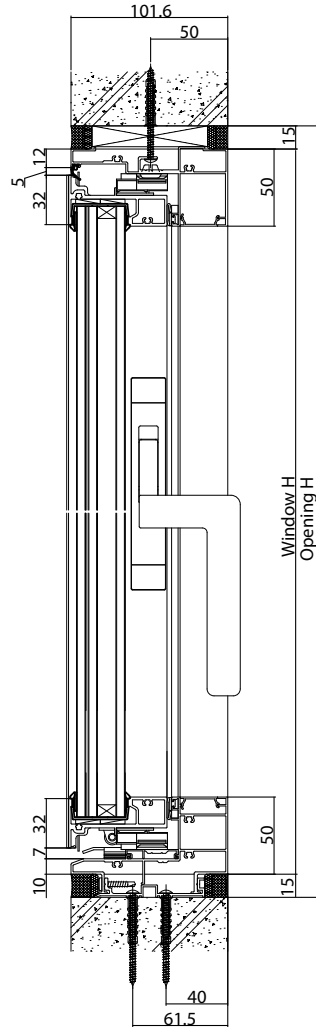
Vertical section: Awning window



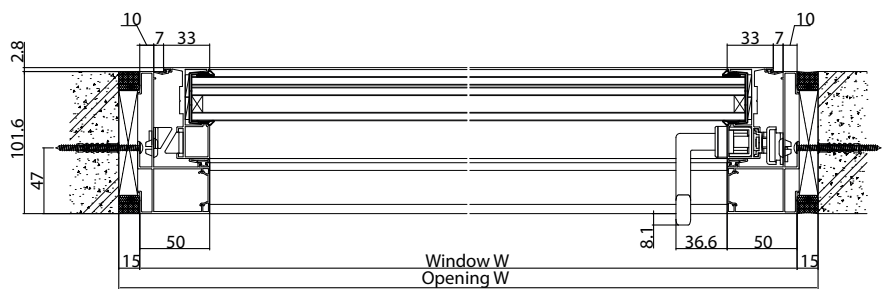
Horizontal section: Awning window

GRANTS PLUS

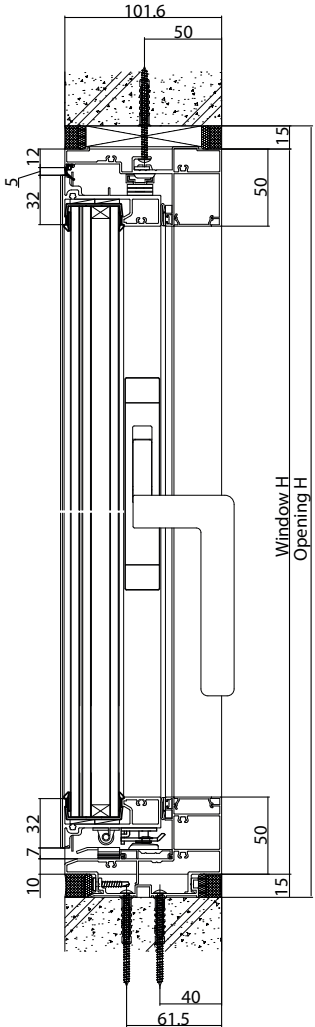
CASEMENT WINDOW



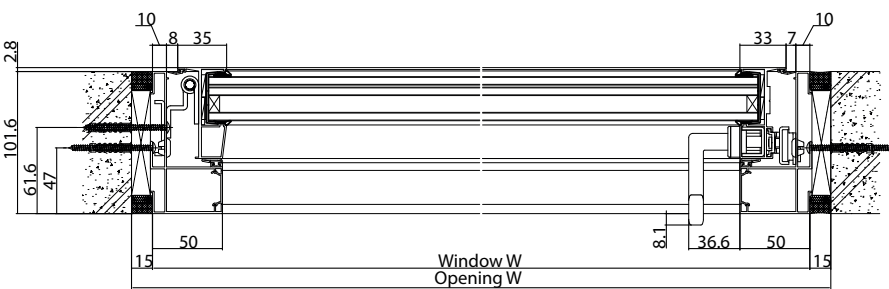
Vertical section: Casement window with friction stay



Horizontal section: Casement window with friction stay



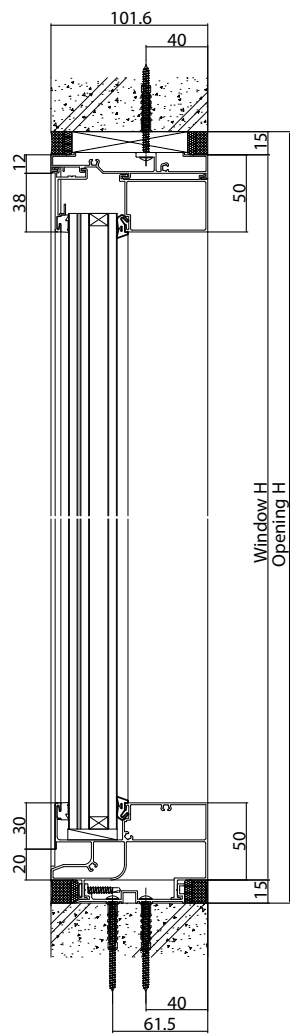
Vertical section: Casement window with hinge



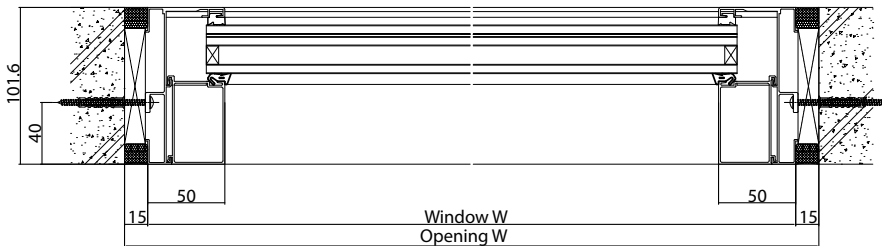
Horizontal section: Casement window with hinge

GRANTS PLUS

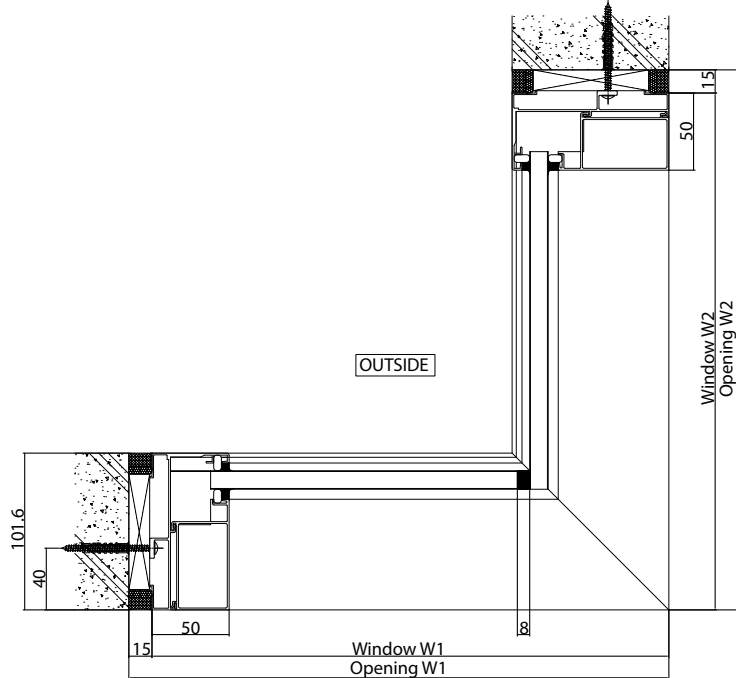
FIXED WINDOW



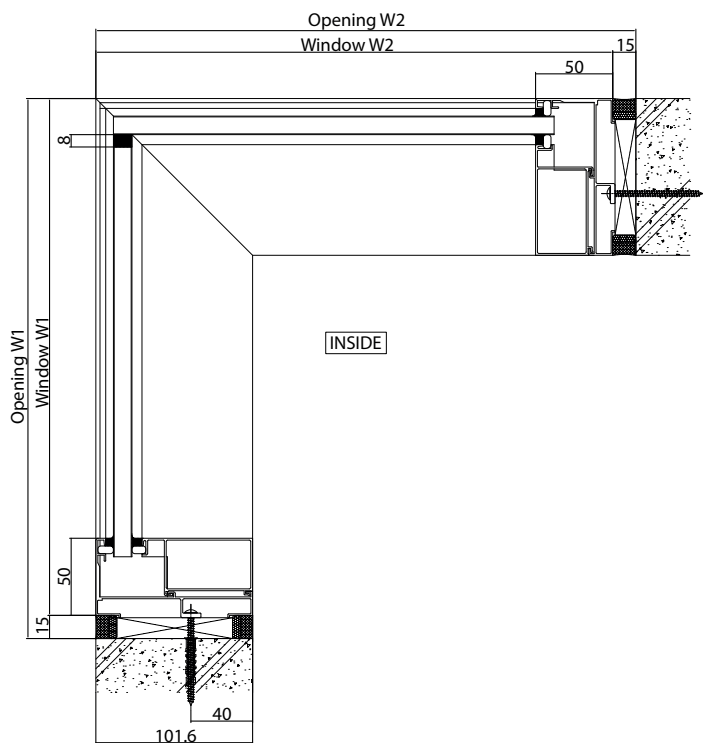
Vertical section: Fixed



Horizontal section: Fixed



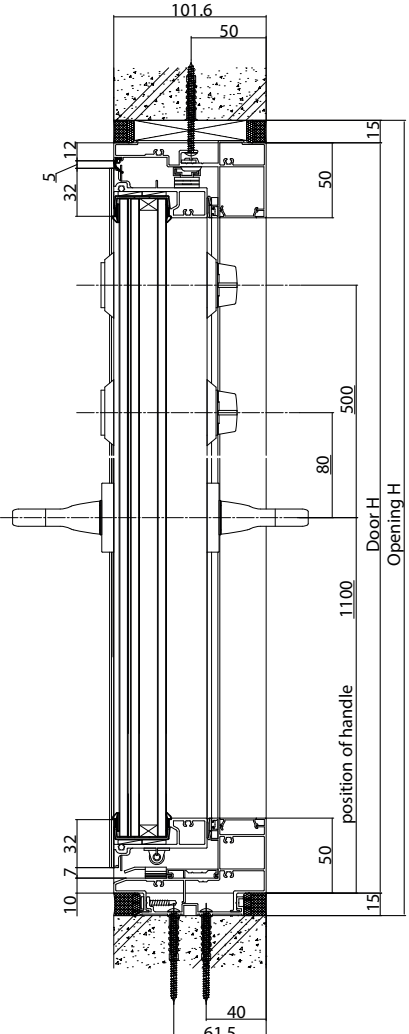
Horizontal section: Corner Fixed (inward)



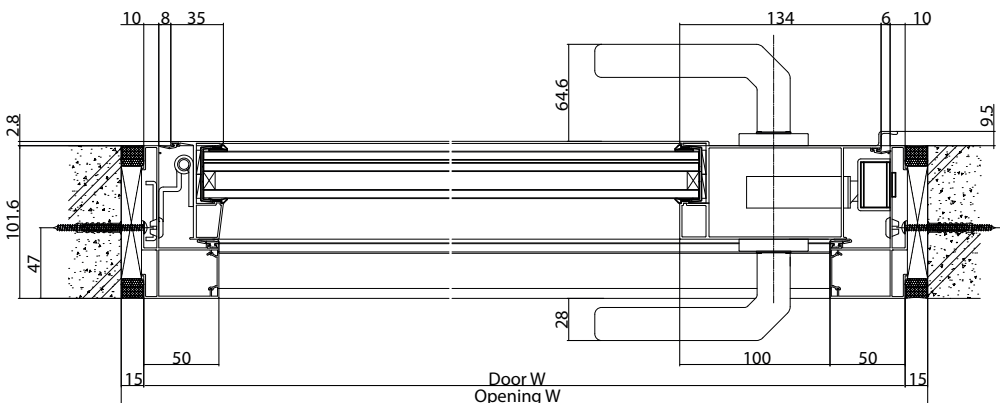
Horizontal section: Corner Fixed (outward)

GRANTS PLUS

SINGLE OUT-SWING DOOR



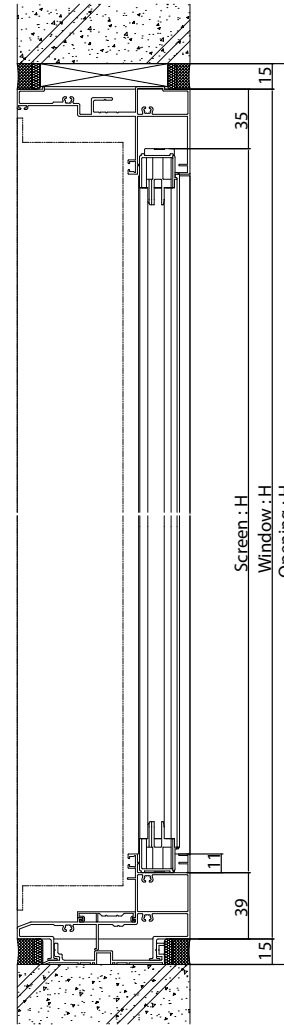
Vertical section: Single out-swing door



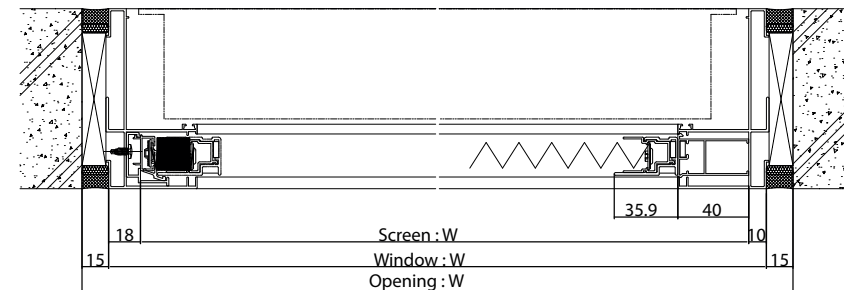
Horizontal section: Single out-swing door

GRANTS PLUS

INSECT SCREEN FOR SWING



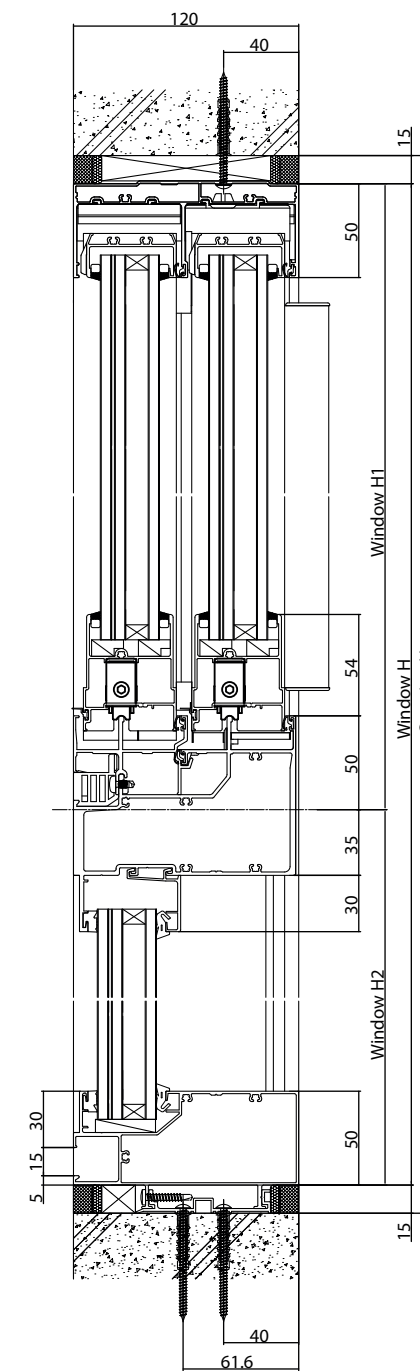
Vertical section: Insect screen for swing



Horizontal section: Insect screen for swing

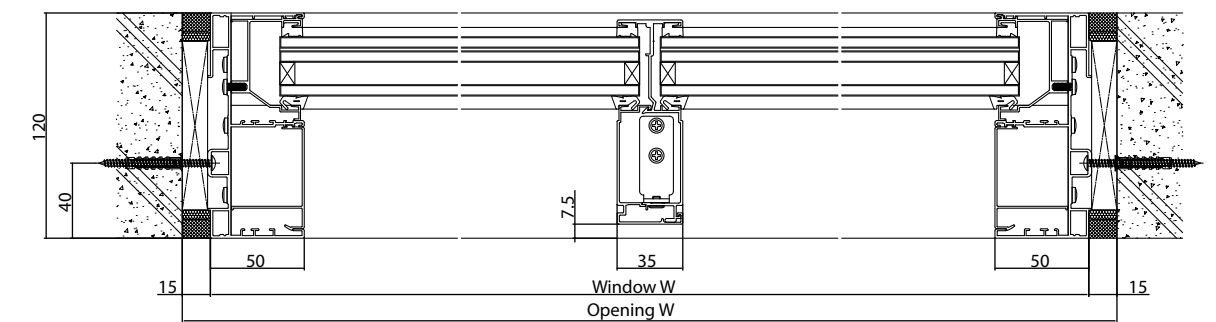
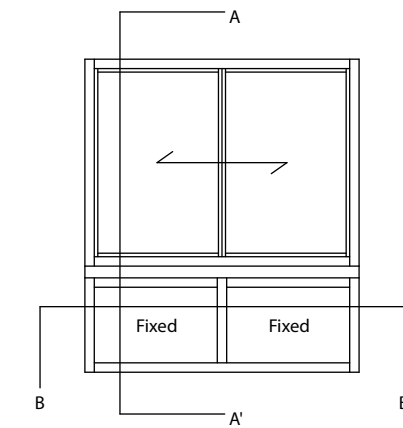
GRANTS PLUS

COMBINATION WINDOW



Vertical section: Sliding/Fixed A-A'

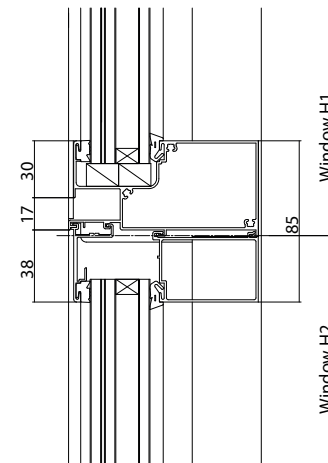
Front view: Sliding/Fixed with mullion



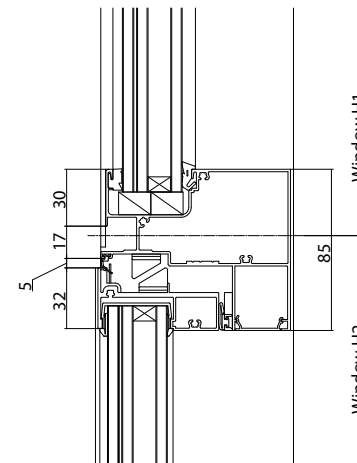
Horizontal section: Sliding/Fixed B-B'

GRANTS PLUS

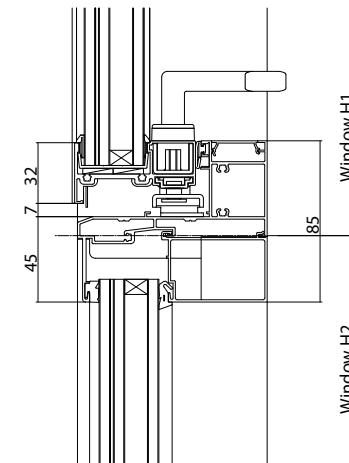
TRANSOM & MULLION



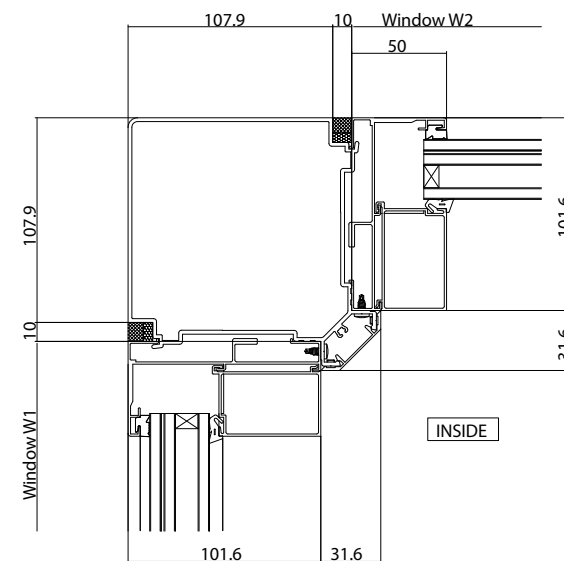
Vertical section:
Fixed/Fixed transom



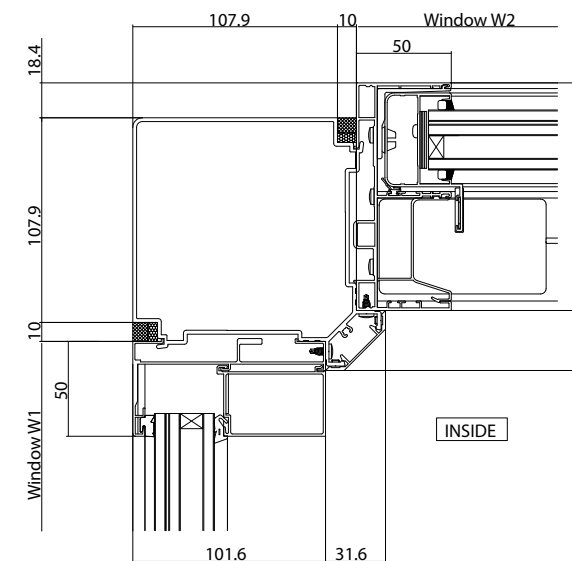
Vertical section:
Fixed/Projection transom



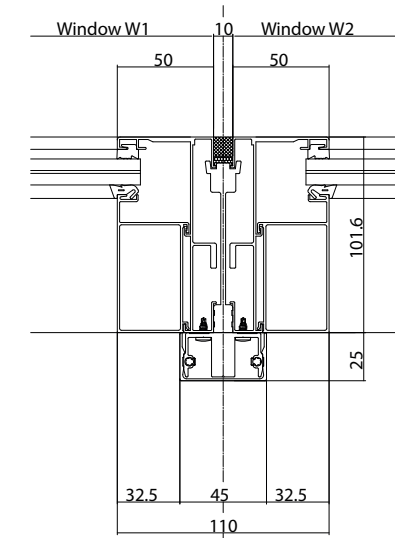
Vertical section:
Projection/Fixed transom



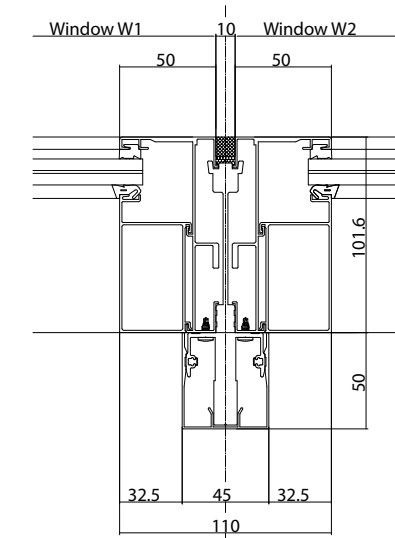
Corner mullion



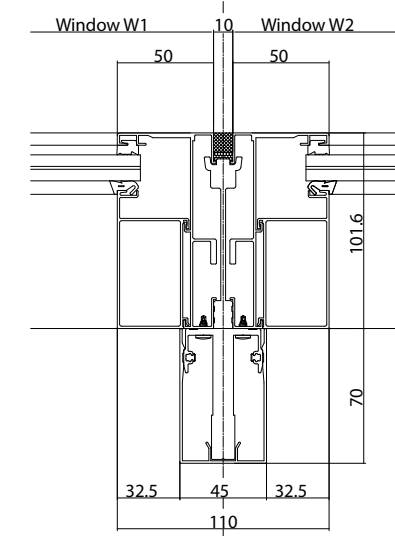
Corner mullion with sliding window



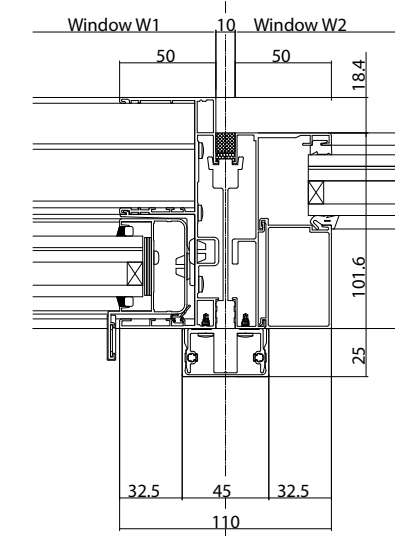
Mullion type A



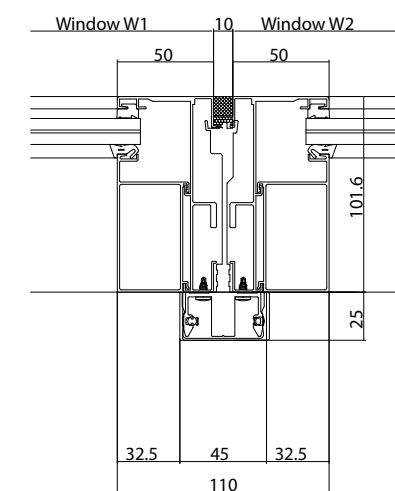
Mullion type B



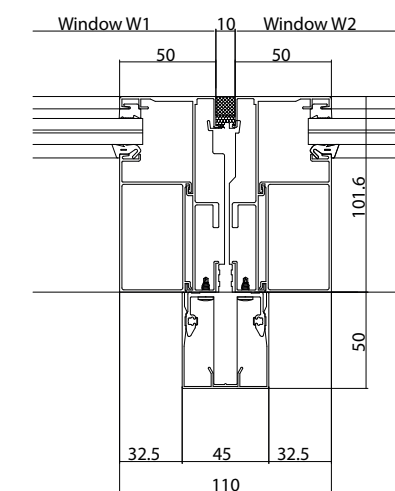
Mullion type C



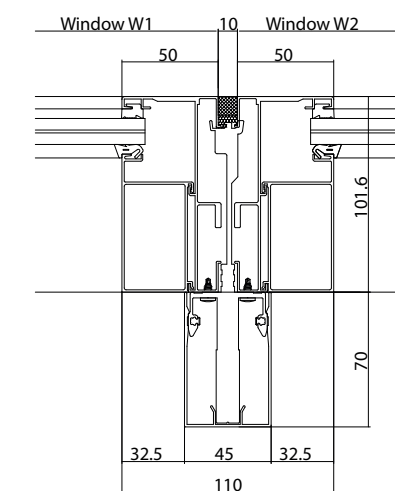
Mullion type A with sliding window



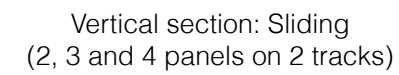
Mullion Adjust type A



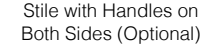
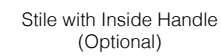
Mullion Adjust type B



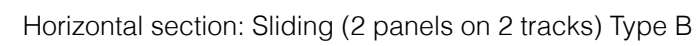
Mullion Adjust type C



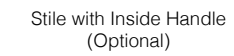
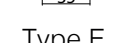
Horizontal section: Sliding (2 panels on 2 tracks)



Type E

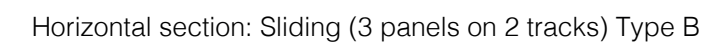


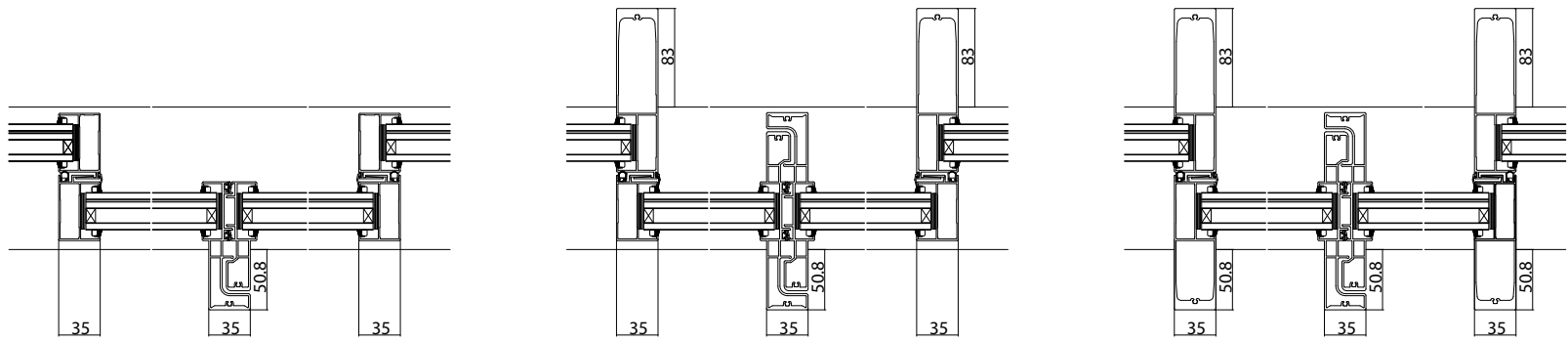
Horizontal section: Sliding (3 panels on 2 tracks)



Stile with Inside Handle
(Optional)

Stile with Handles on Both Sides (Optional)



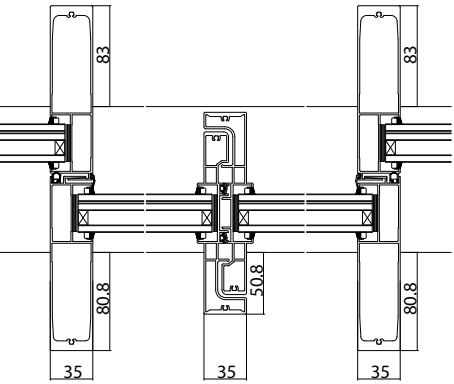


Type A

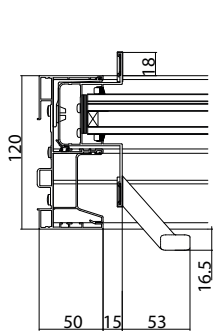
Type C

Type D

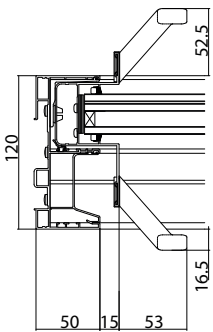
Horizontal section: Sliding (4 panels on 2 tracks)



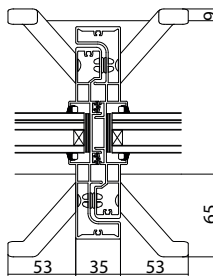
Type E



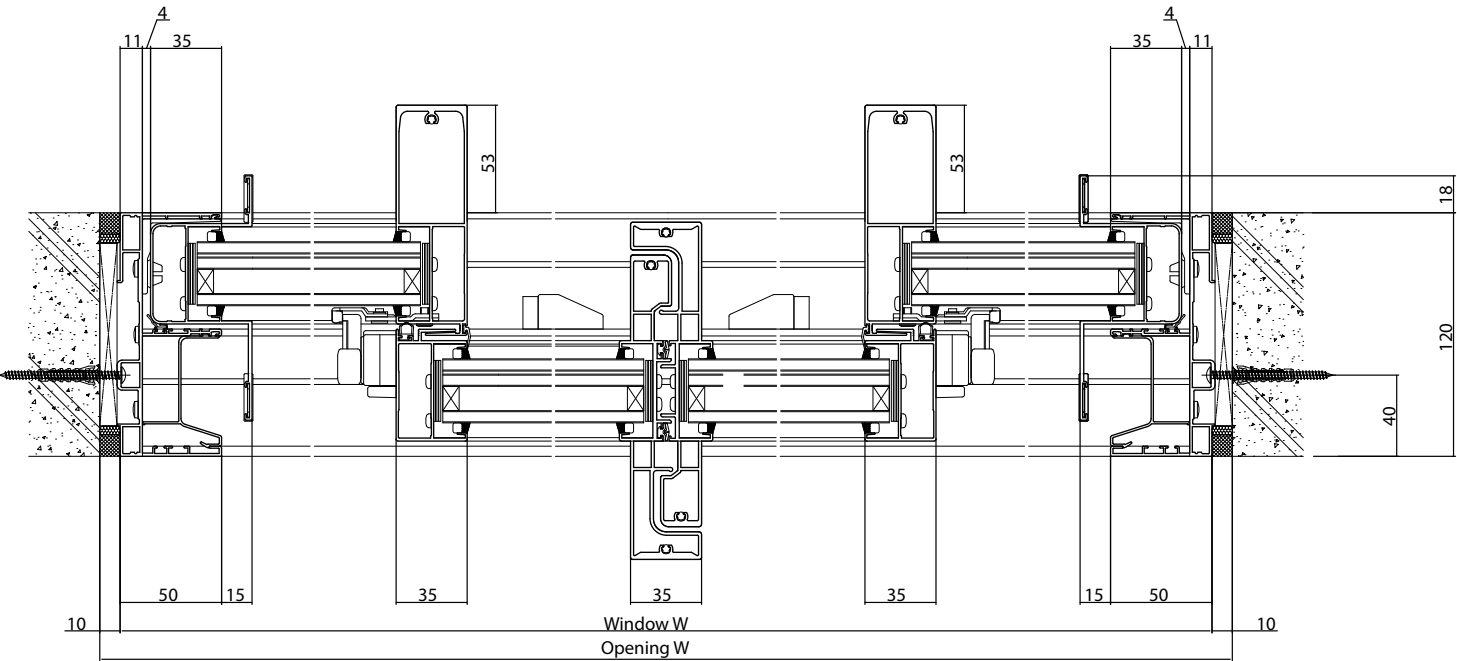
Stile with Inside Handle (Optional)



Stile with Handles on Both Sides (Optional)



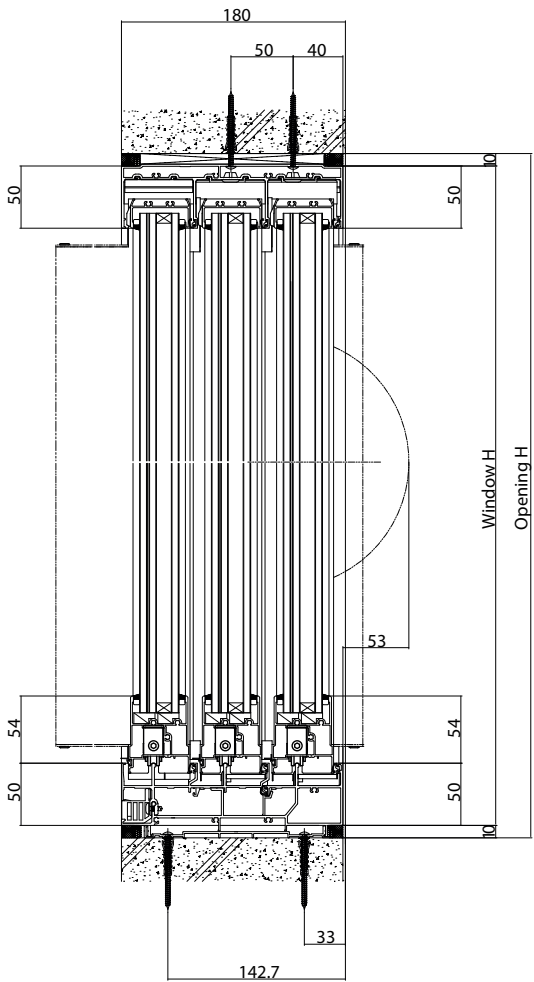
Butting Stile with Handle (Optional)



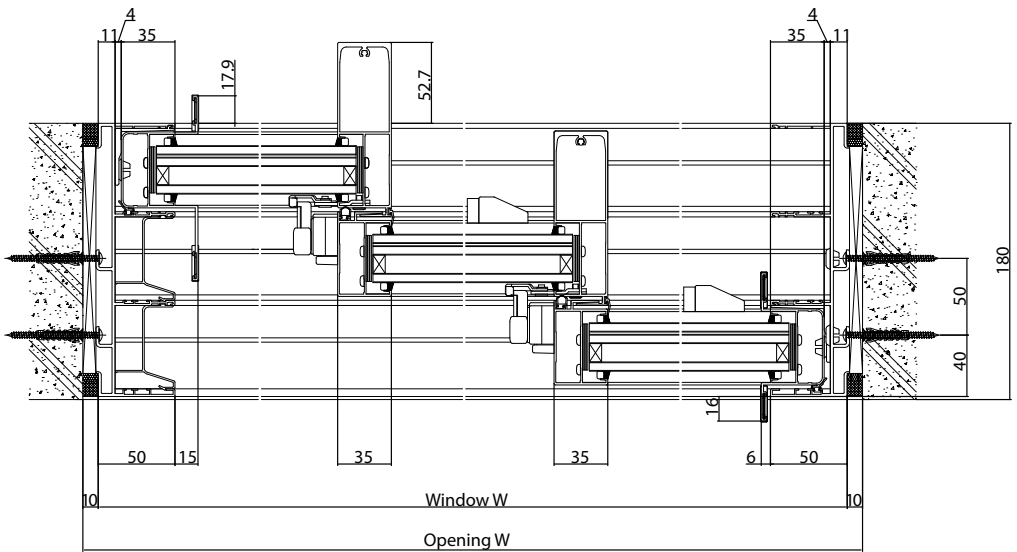
Horizontal section: Sliding (4 panels on 2 tracks) Type B

GRANTS

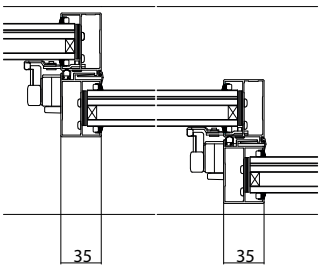
SLIDING (3P3T, 6P3T)



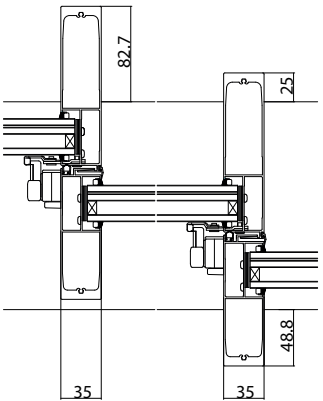
Vertical section: Sliding (3 and 6 panels on 3 tracks)



Horizontal section: Sliding (3 panels on 3 tracks) Type B

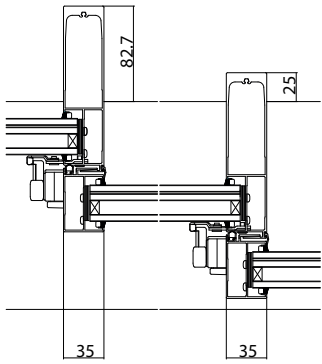


Type A

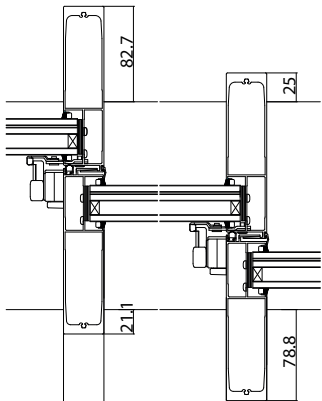


Type D

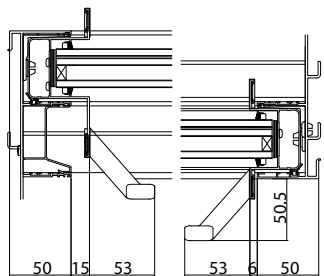
Horizontal section: Sliding (3 panels on 3 tracks)



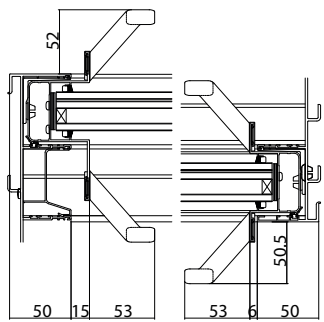
Type C



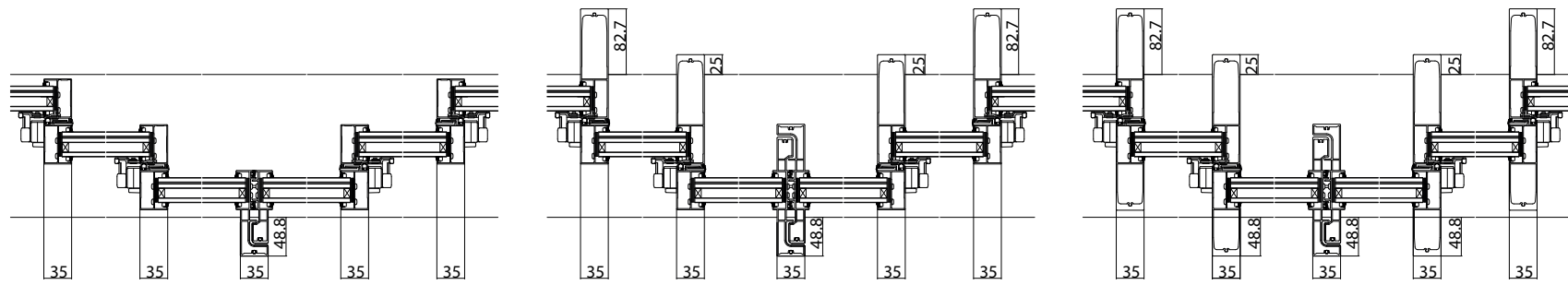
Type E



Stile with Inside Handle (Optional)



Stile with Handles on Both Sides (Optional)

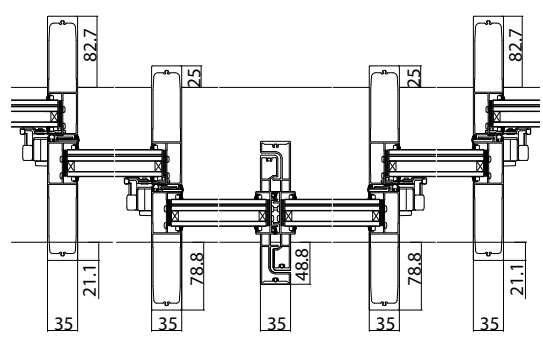


Type A

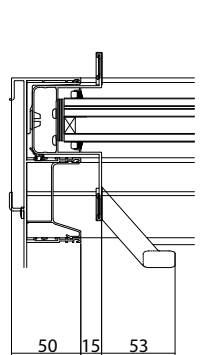
Type C

Type D

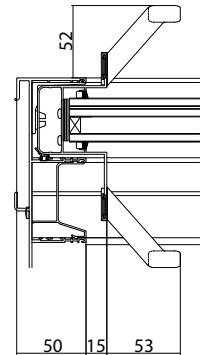
Horizontal section: Sliding (6 panels on 3 tracks)



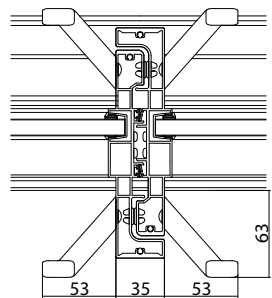
Type E



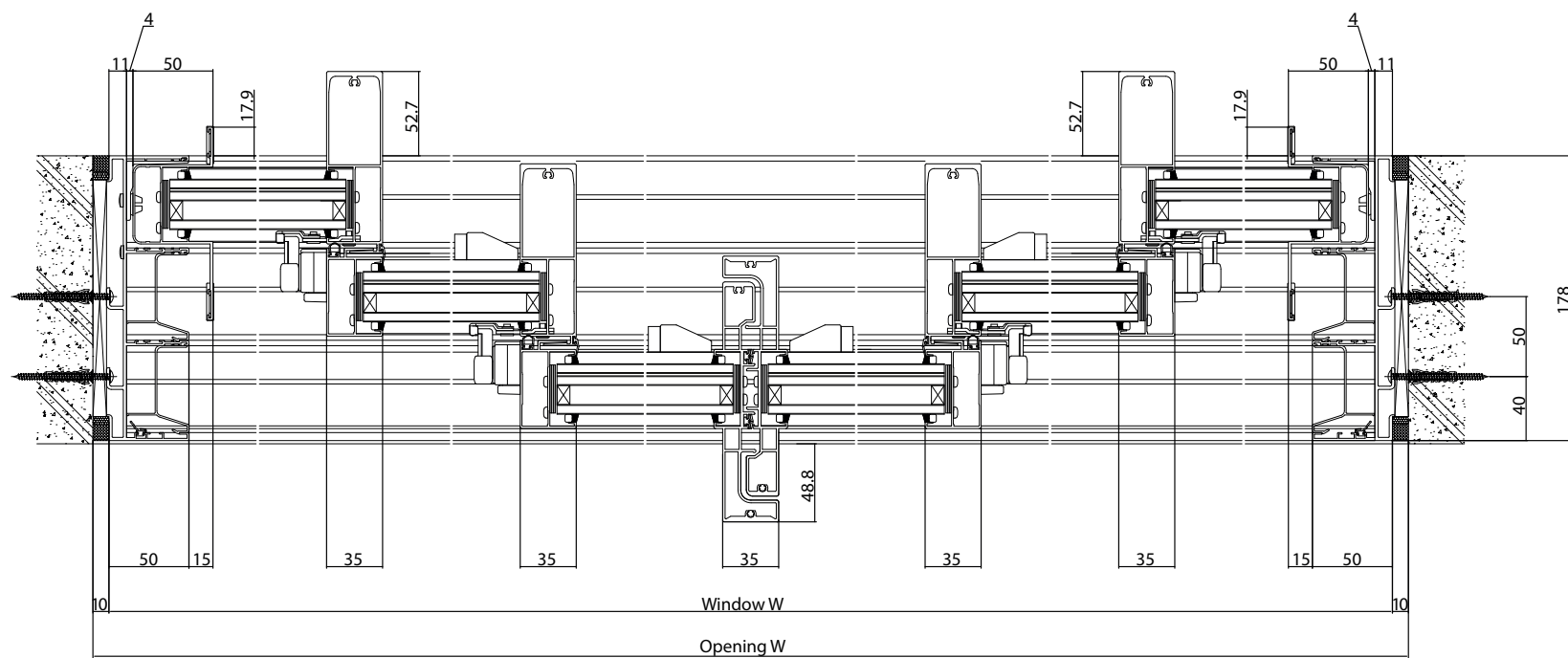
Stile with Inside Handle (Optional)



Stile with Handles on Both Sides (Optional)



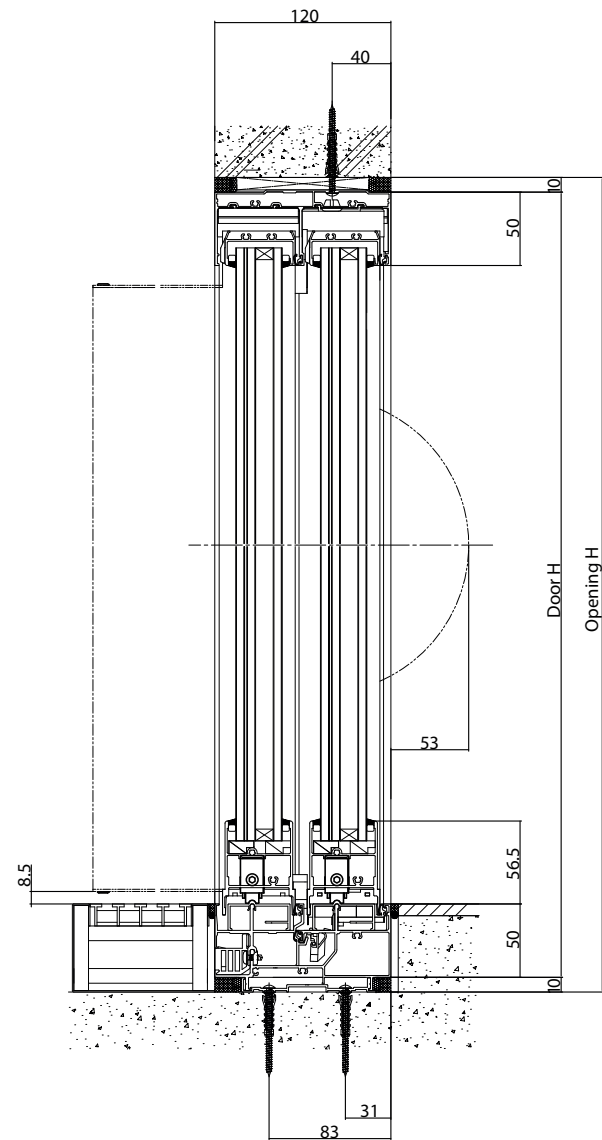
Butting Stile with Handle (Optional)



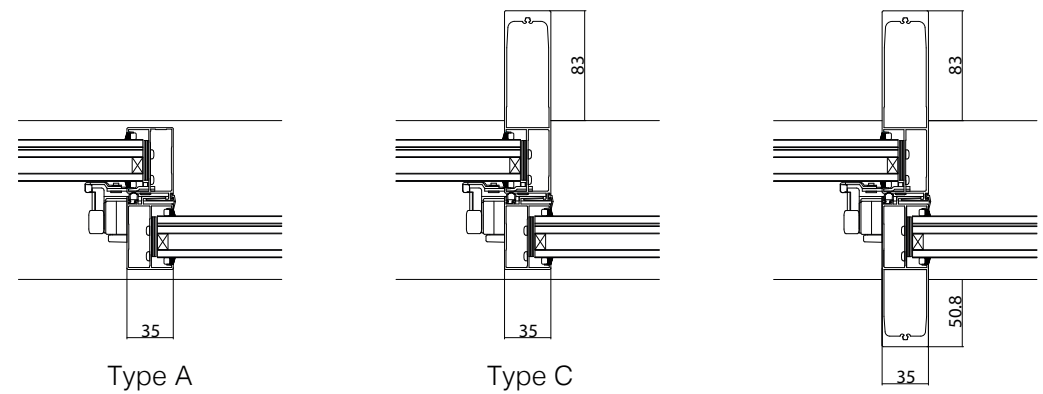
Horizontal section: Sliding (6 panels on 3 tracks) Type B

GRANTS

SLIDING FLAT-RAIL (2P2T, 4P2T)



Vertical section: Sliding flat-rail (2 and 4 panels on 2 tracks)

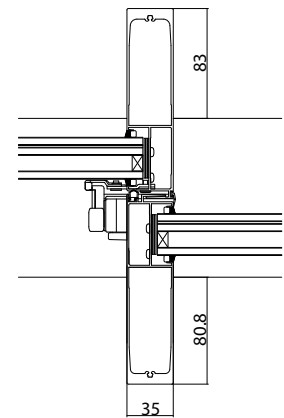


Type A

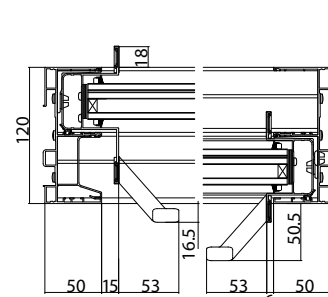
Type C

Type D

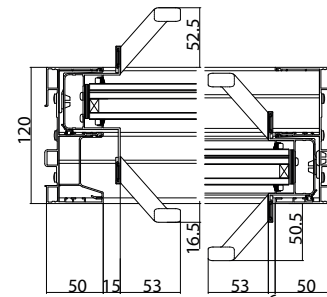
Horizontal section: Sliding (2 panels on 2 tracks)



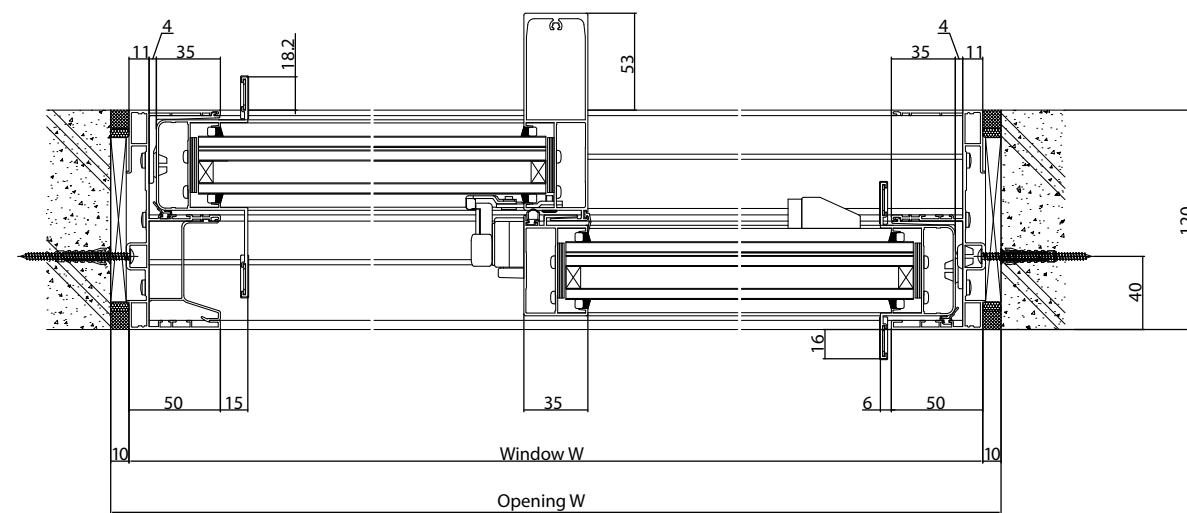
Type E



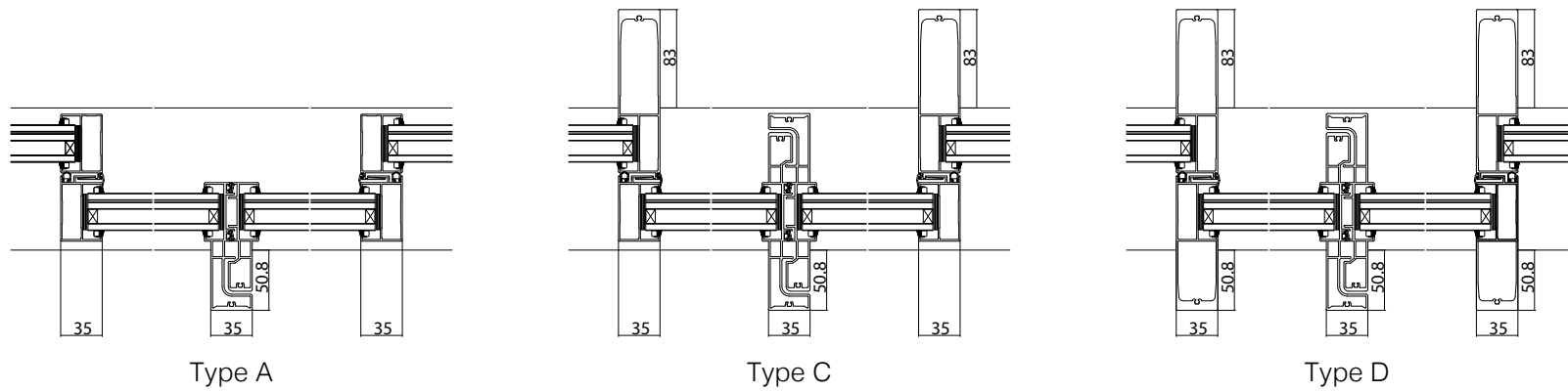
Stile with Inside Handle (Optional)



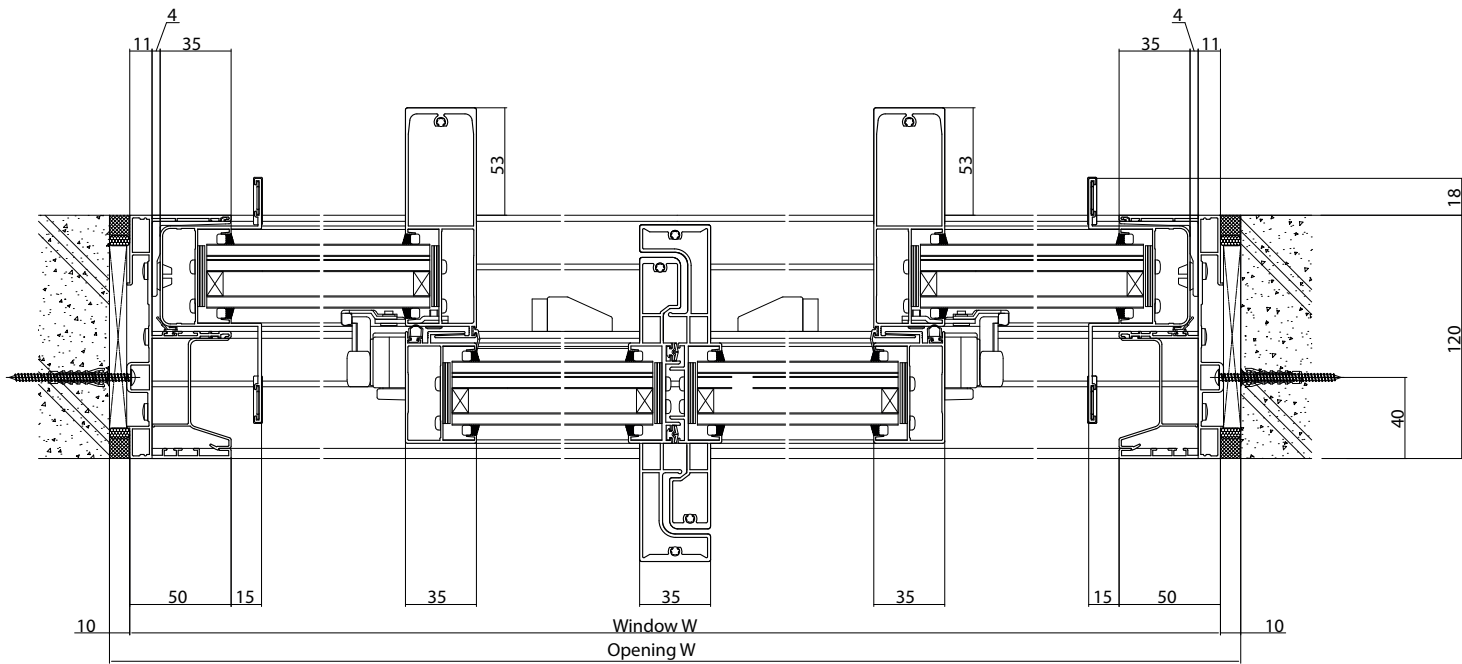
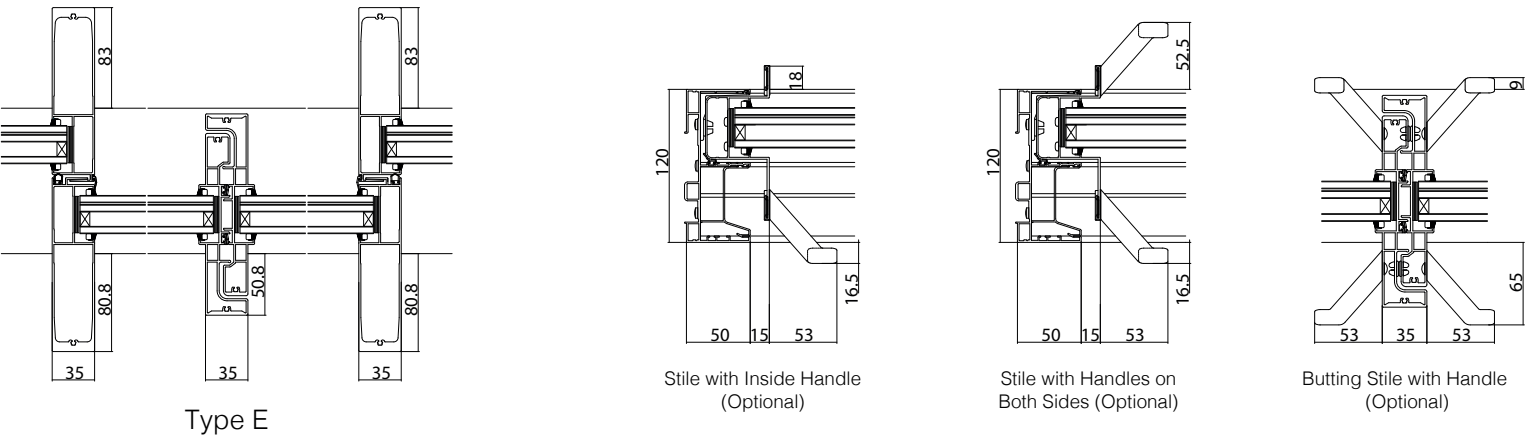
Stile with Handles on Both Sides (Optional)



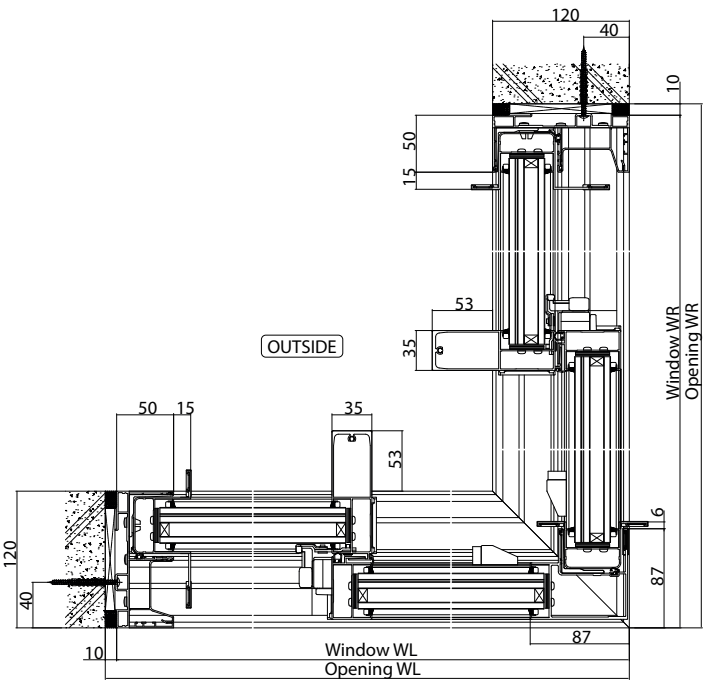
Horizontal section: Sliding (2 panels on 2 tracks) Type B



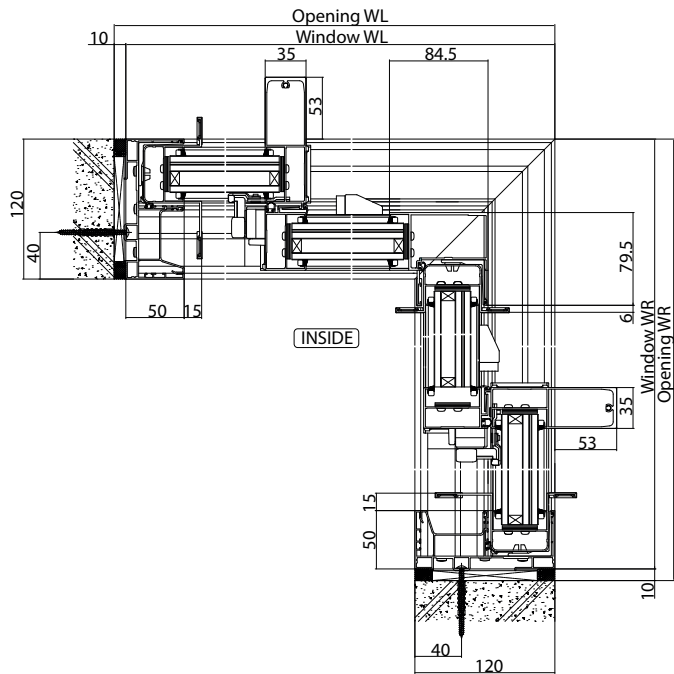
Horizontal section: Sliding (4 panels on 2 tracks)



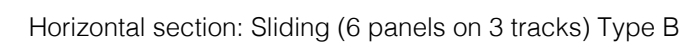
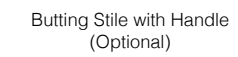
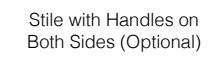
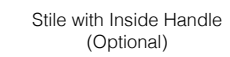
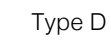
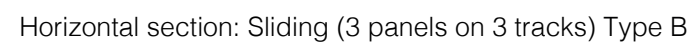
Horizontal section: Sliding (4 panels on 2 tracks) Type B

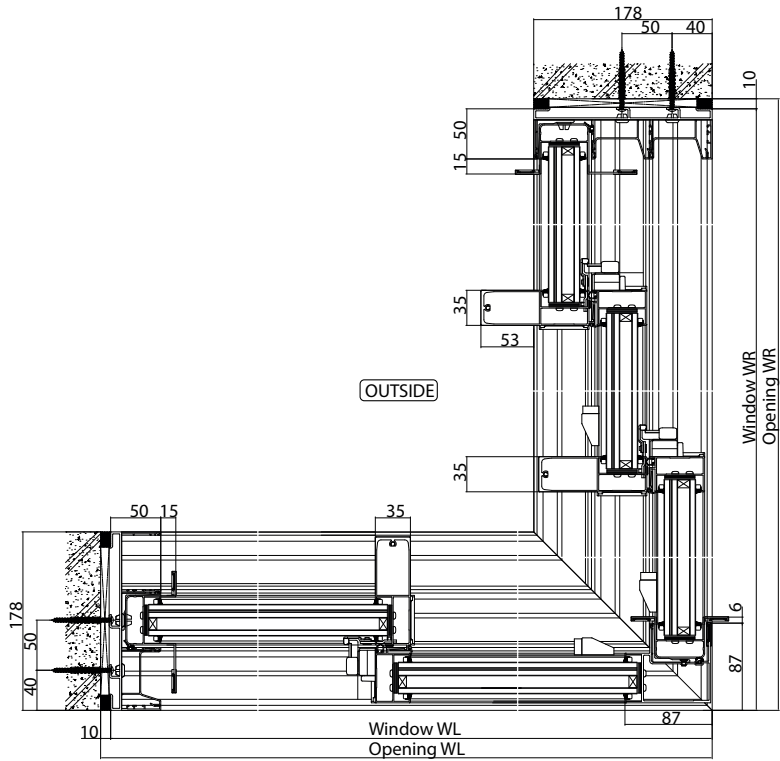


Horizontal section: Inward Corner Sliding (2+2 panels on 2 tracks)

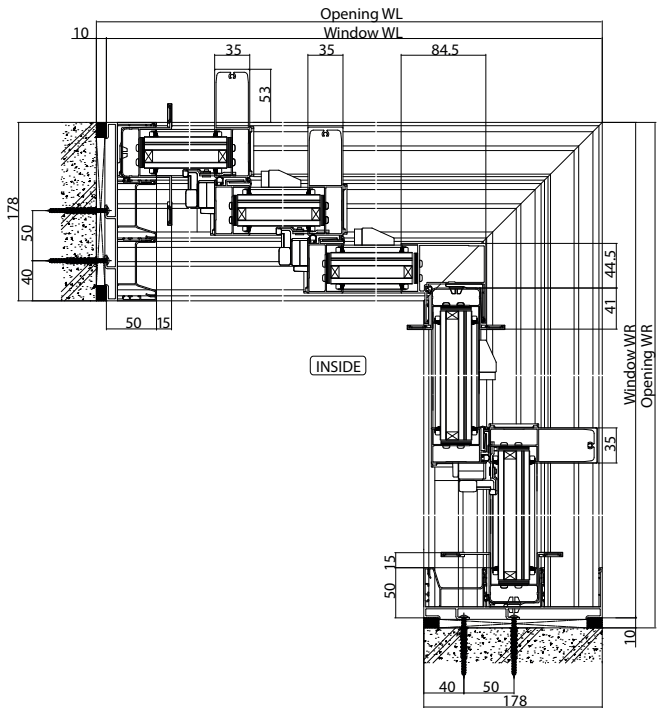


Horizontal section: Outward Corner Sliding (2+2 panels on 2 tracks)

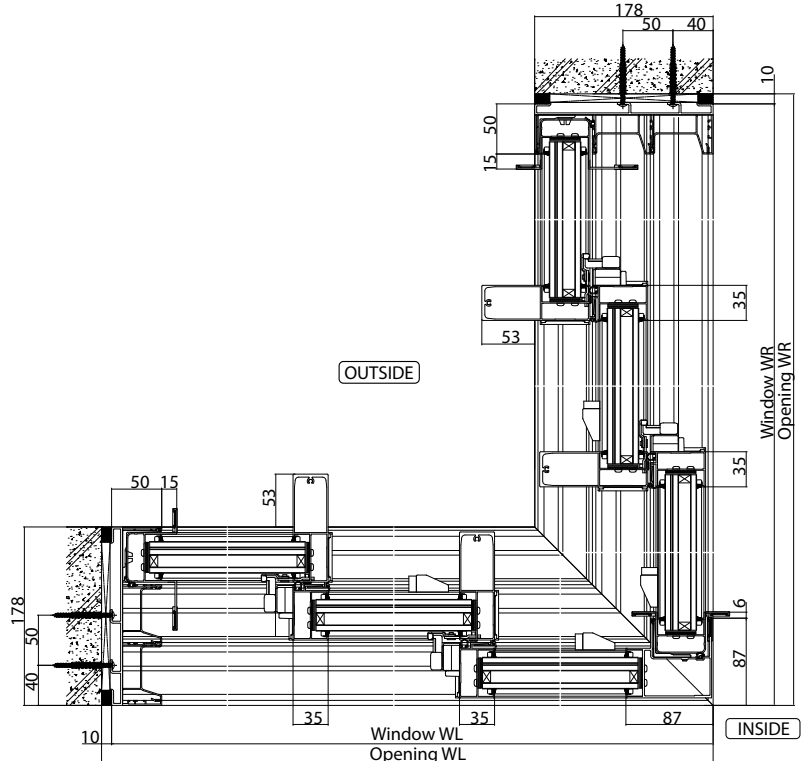




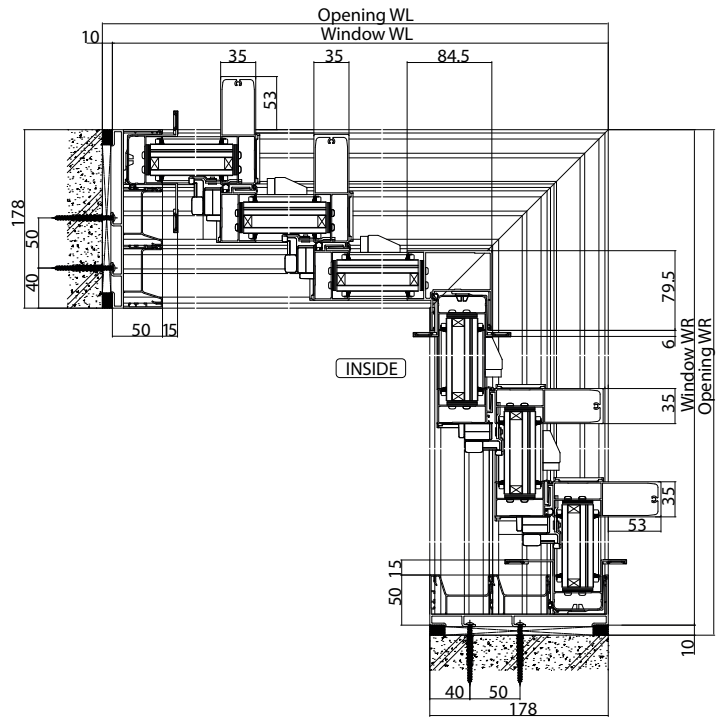
Horizontal section: Inward Corner Sliding (3+2 panels on 3 tracks)



Horizontal section: Outward Corner Sliding (3+2 panels on 3 tracks)



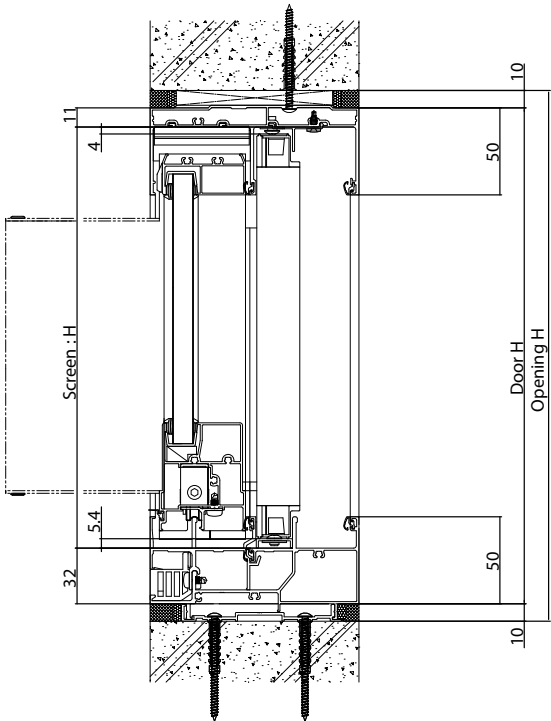
Horizontal section: Inward Corner Sliding (3+3 panels on 3 tracks)



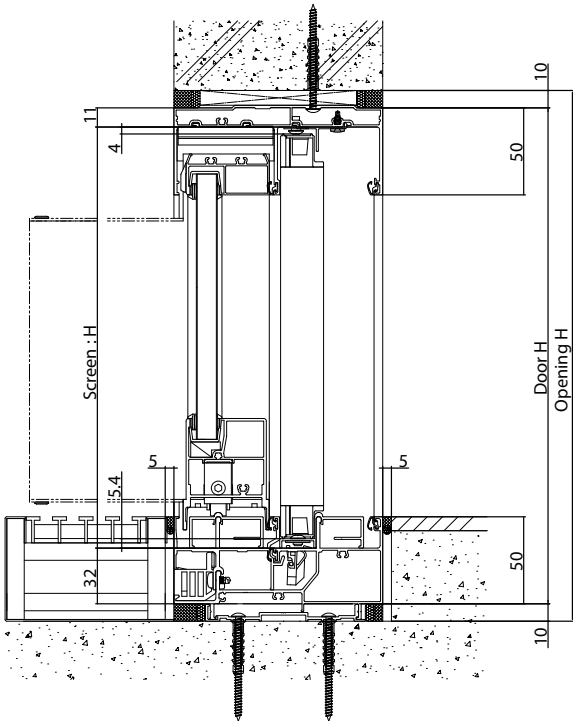
Horizontal section: Outward Corner Sliding (3+3 panels on 3 tracks)

GRANTS

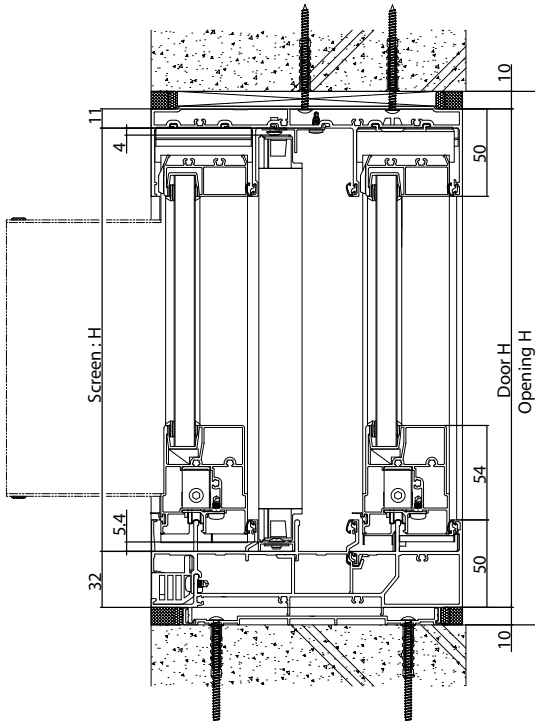
SLIDING WITH SCREEN



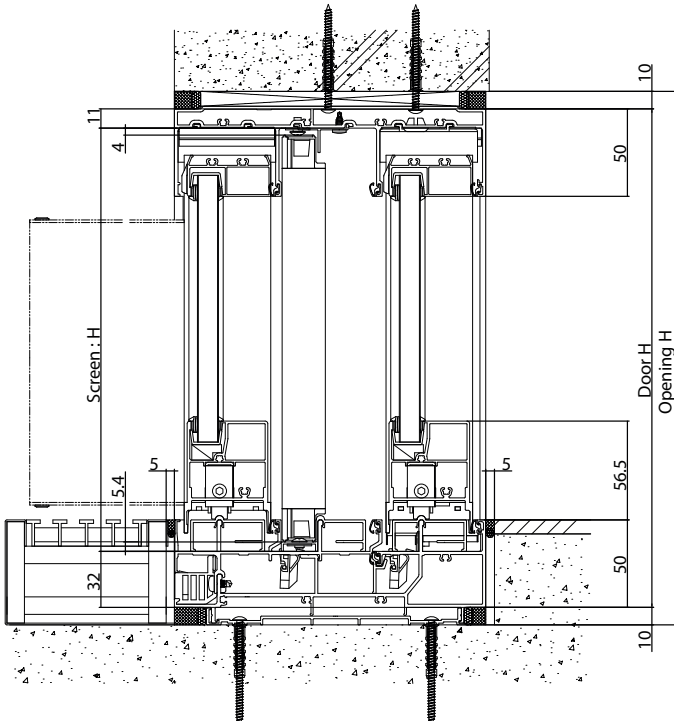
Vertical section: Sliding with screen (inside type, 2 tracks)



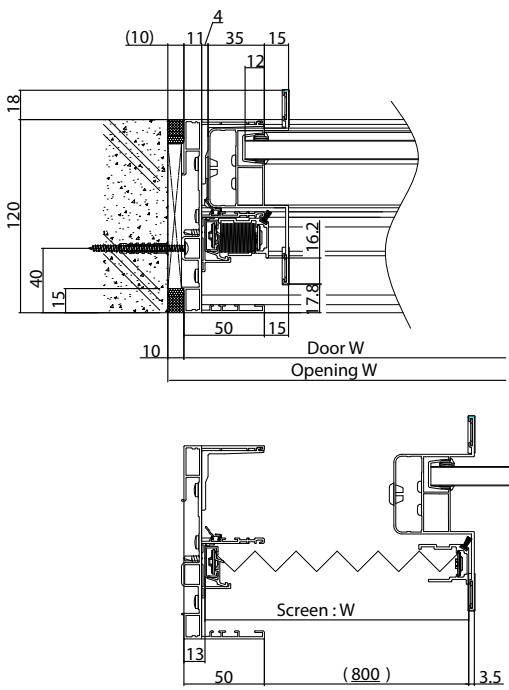
Vertical section: Flat rail sliding with screen (inside type, 2 tracks)



Vertical section: Sliding with screen (inside type, 3 tracks)

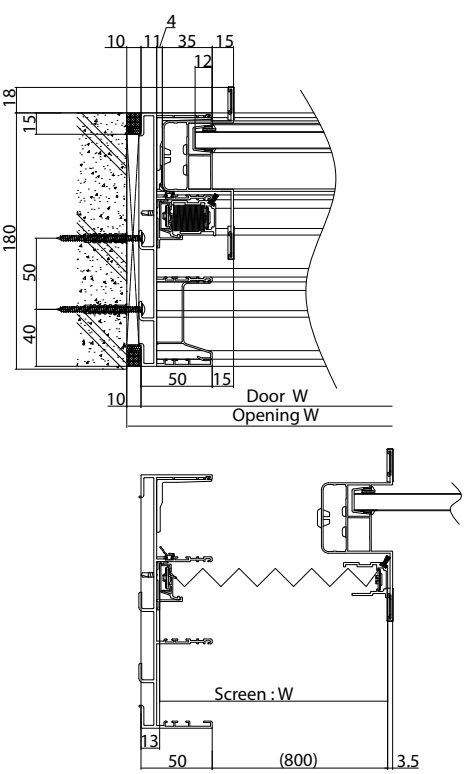


Vertical section: Flat rail sliding with screen (inside type, 3 tracks)



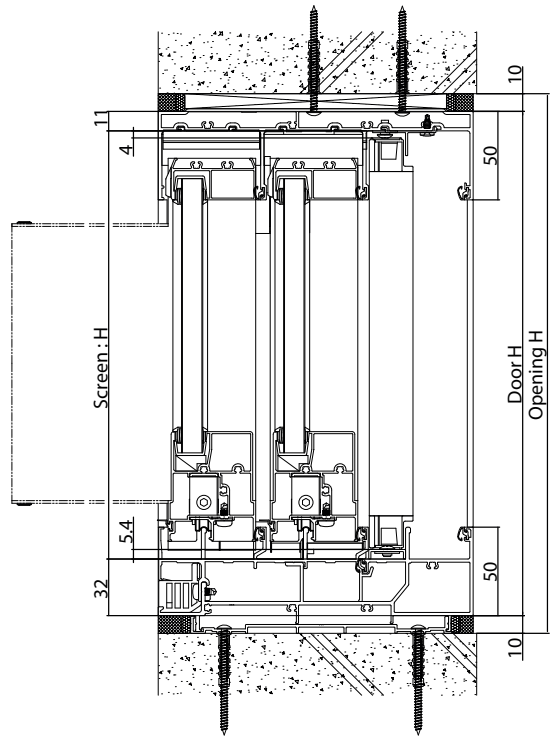
Horizontal section: Sliding with screen (inside type, 2 tracks)

Type	Rough sketch	
2P2T	(Outside)	
	(Inside)	
3P2T	(Normal type only)	
4P2T		
2P2T Outward Corner	(Outside)	
	(Inside)	
2P2T Inward Corner	(Outside)	
	(Inside)	

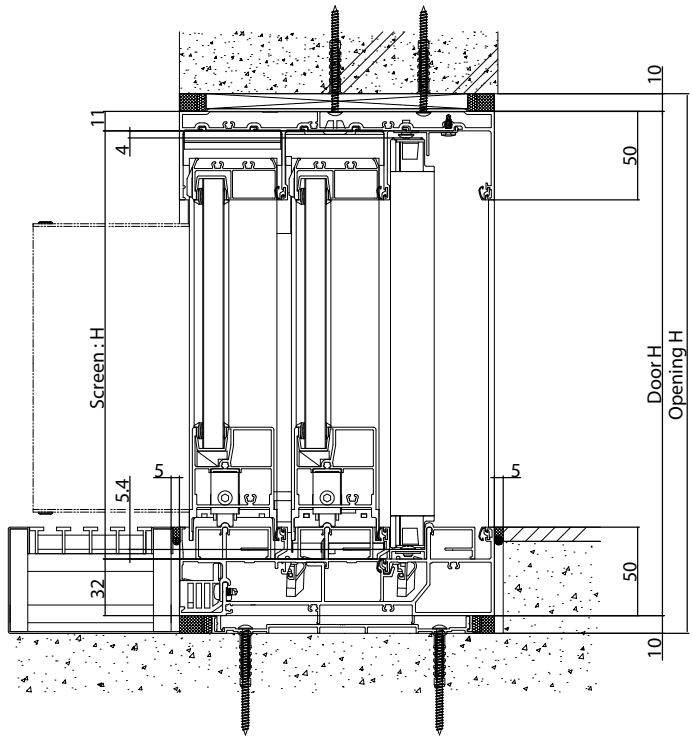


Horizontal section: Sliding with screen (inside type, 3 tracks)

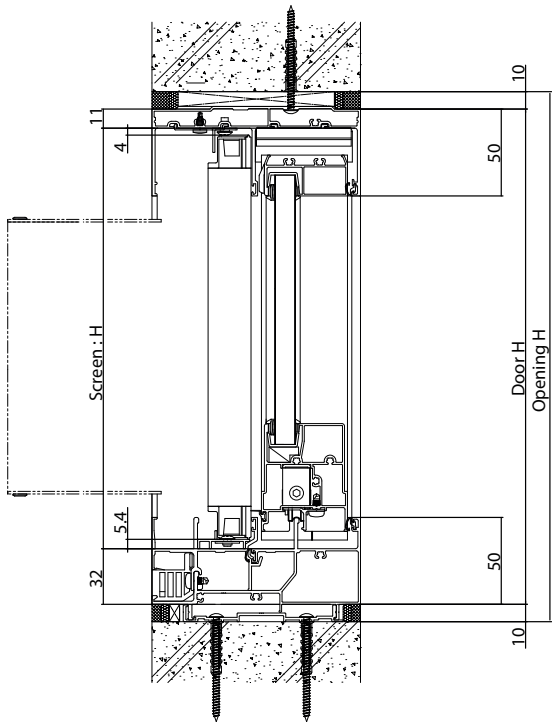
Type	Rough sketch	
3P3T	(Outside)	
	(Inside)	
6P3T		
3P3T Outward Corner	(Outside)	
	(Inside)	
3P3T Inward Corner	(Outside)	
	(Inside)	



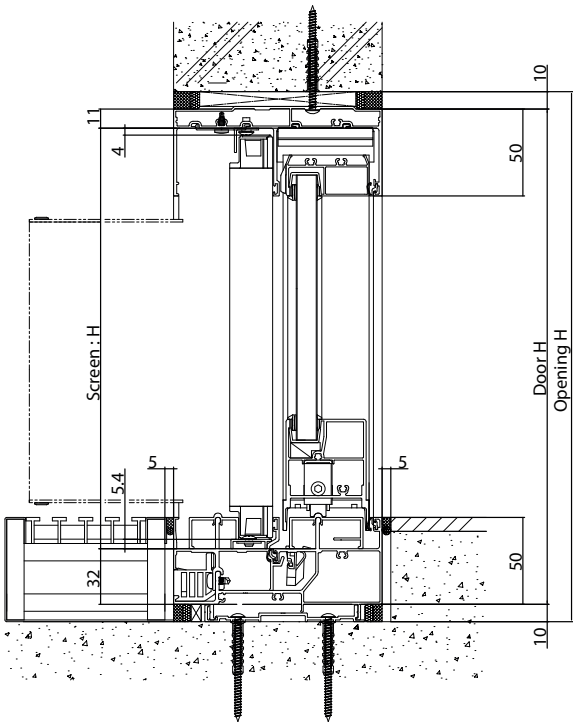
Vertical section: Sliding with screen (inside type, 3 tracks)



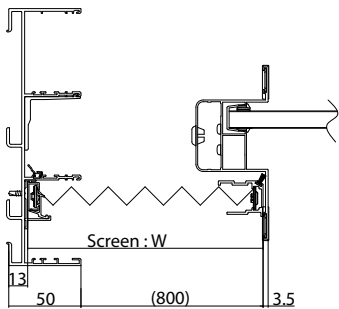
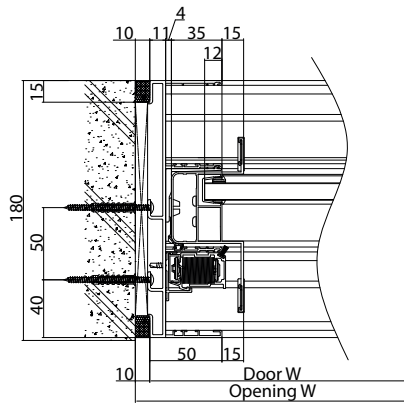
Vertical section: Flat rail sliding with screen (inside type, 3 tracks)



Vertical section: Sliding with screen (outside type, 2 tracks)

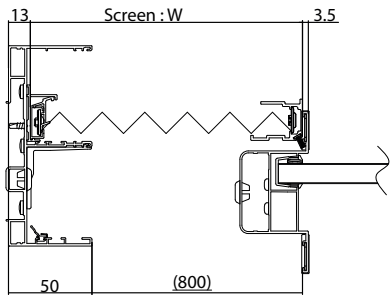
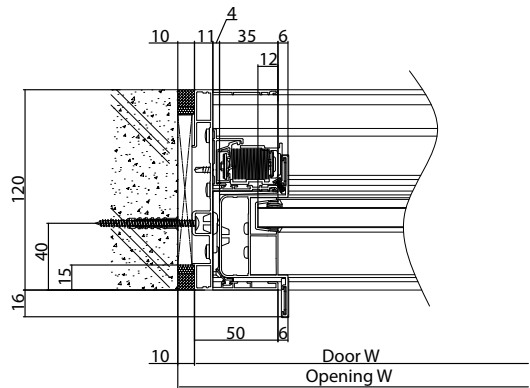


Vertical section: Flat rail sliding with screen (outside type, 2 tracks)



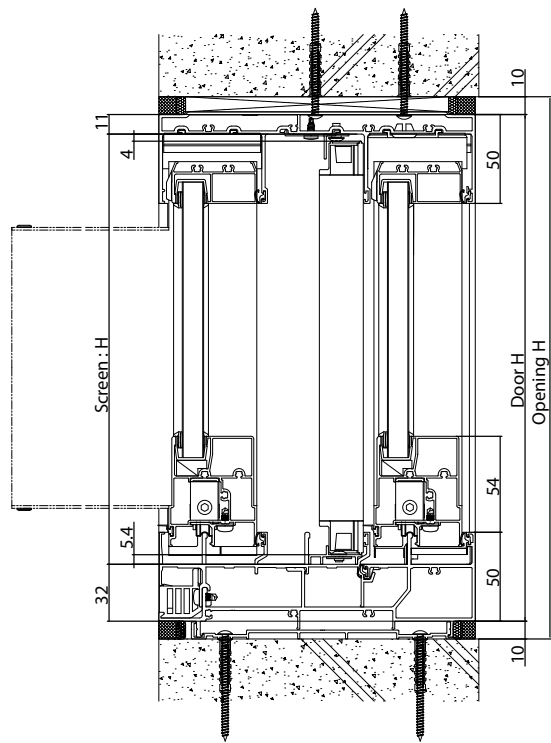
Horizontal section: Sliding with screen (inside type, 3 tracks)

Type	Rough sketch	
2P3T Outward Corner	(Outside) L	(Outside) R
	(Inside) R	(Inside) L
2P3T Inward Corner	(Outside) L	(Outside) R
	(Inside) R	(Inside) L

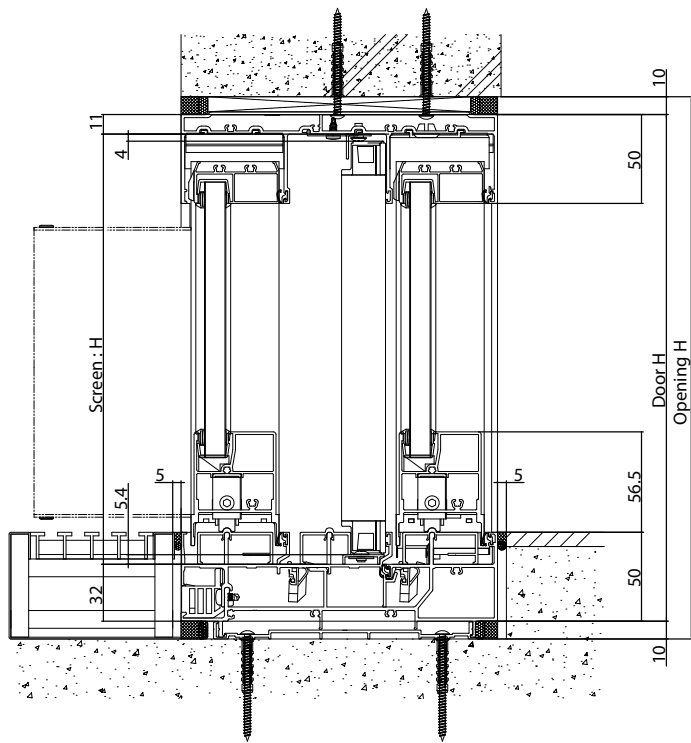


Horizontal section: Sliding with screen (outside type, 2 tracks)

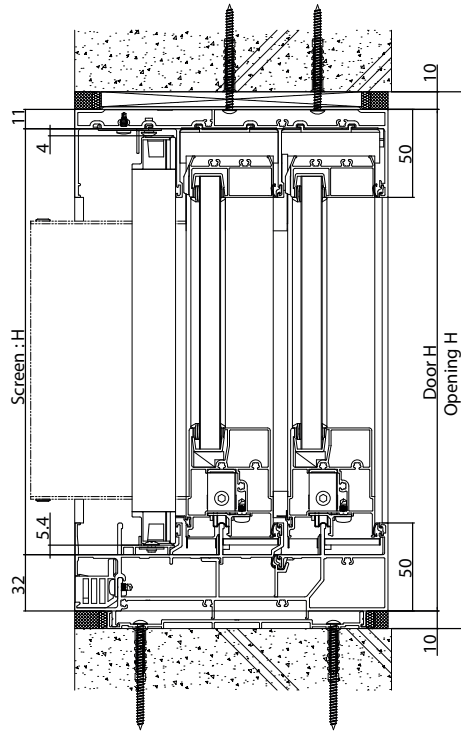
Type	Rough sketch	
2P2T	(Outside) R	(Outside) L
	(Inside) L	(Inside) R
3P2T	L	R
4P2T	L	R
2P2T Outward Corner	(Outside) L	(Outside) R
	(Inside) R	(Inside) L
2P2T Inward Corner	(Outside) L	(Outside) R
	(Inside) R	(Inside) L



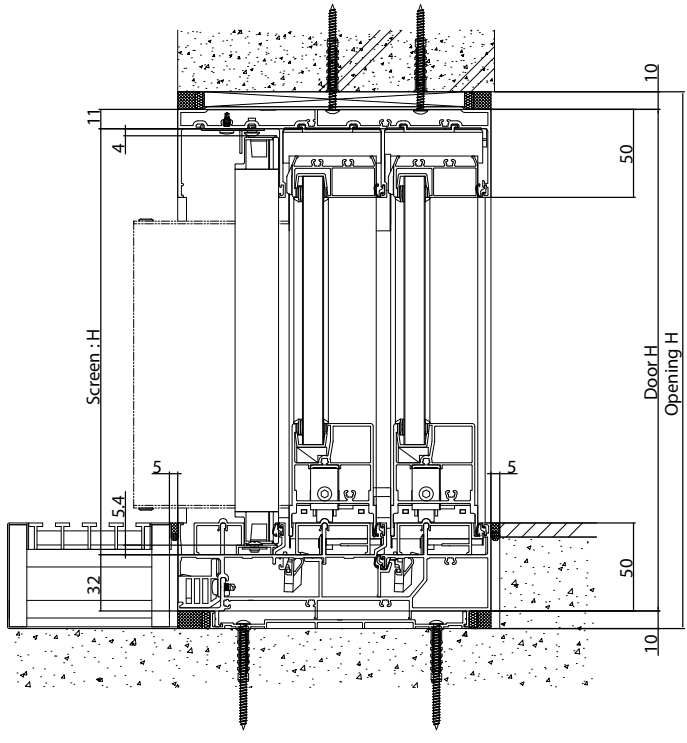
Vertical section: Sliding with screen
(outside type, 3 tracks)



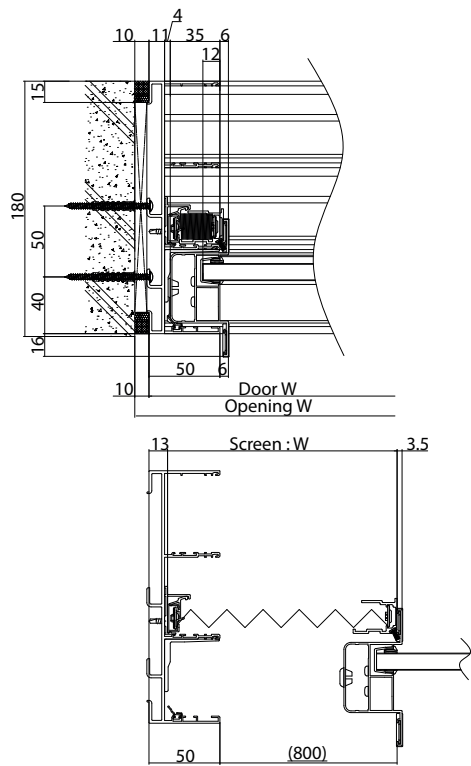
Vertical section: Flat rail sliding with screen
(outside type, 3 tracks)



Vertical section: Sliding with screen
(outside type, 3 tracks)

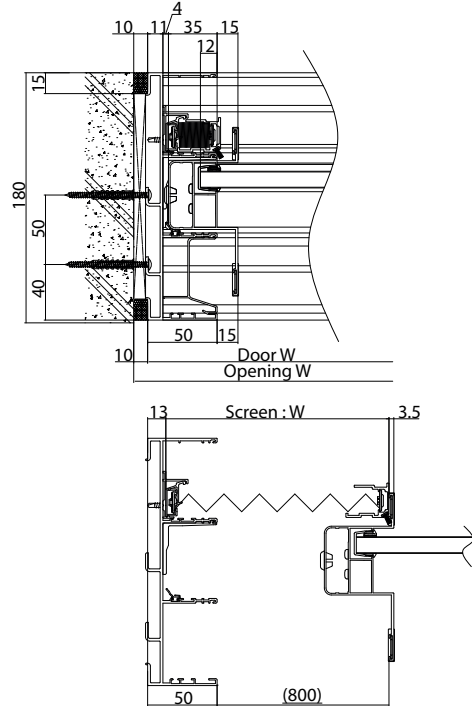


Vertical section: Flat rail sliding with screen
(outside type, 3 tracks)



Horizontal section: Sliding with screen (outside type, 3 tracks)

Type	Rough sketch	
3P3T	(Outside)	(Outside)
	(Inside)	(Inside)
6P3T	(Outside)	(Outside)
3P3T Outward Corner	(Outside)	(Outside)
	(Inside)	(Inside)
3P3T Inward Corner	(Outside)	(Outside)
	(Inside)	(Inside)

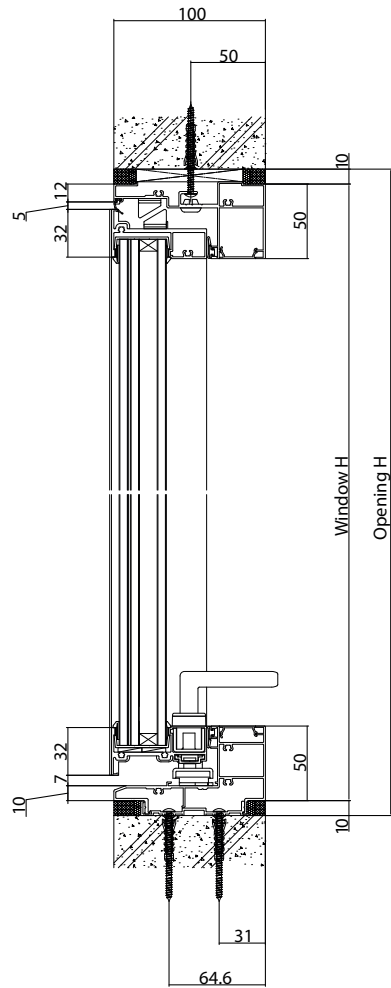


Horizontal section: Sliding with screen (outside type, 3 tracks)

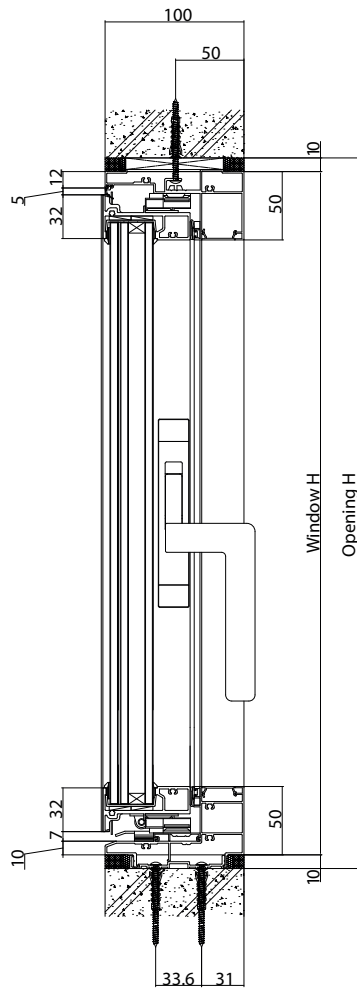
Type	Rough sketch	
2P3T Outward Corner	(Outside)	(Outside)
	(Inside)	(Inside)
2P3T Inward Corner	(Outside)	(Outside)
	(Inside)	(Inside)

GRANTS

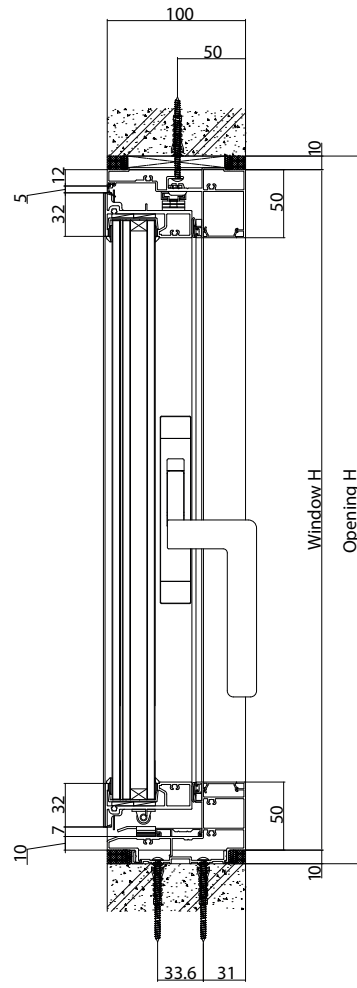
AWNING, CASEMENT, FIXED WINDOW



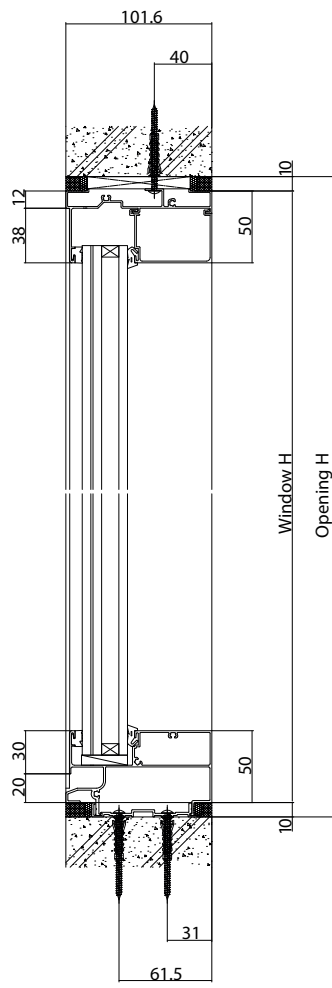
Vertical section: Awning window



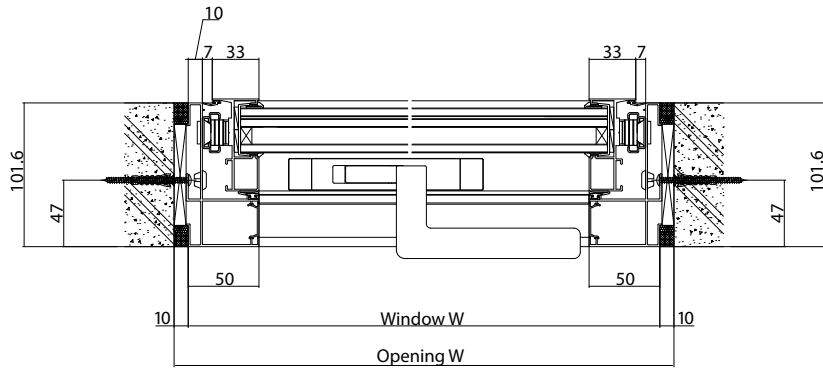
Vertical section:
Casement window with friction stay



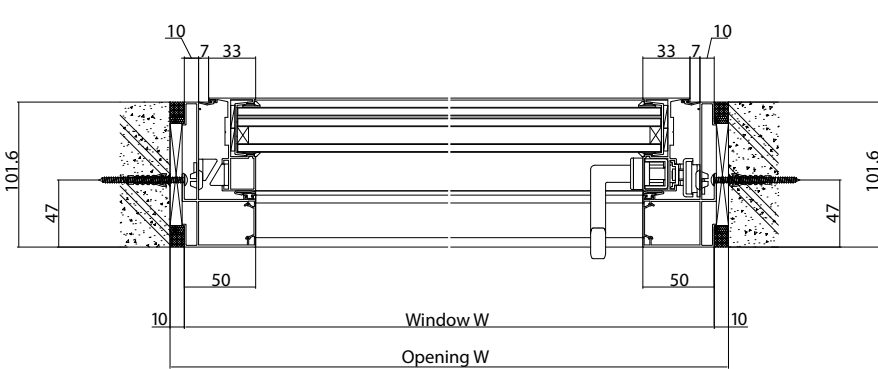
Vertical section: Casement window with hinge



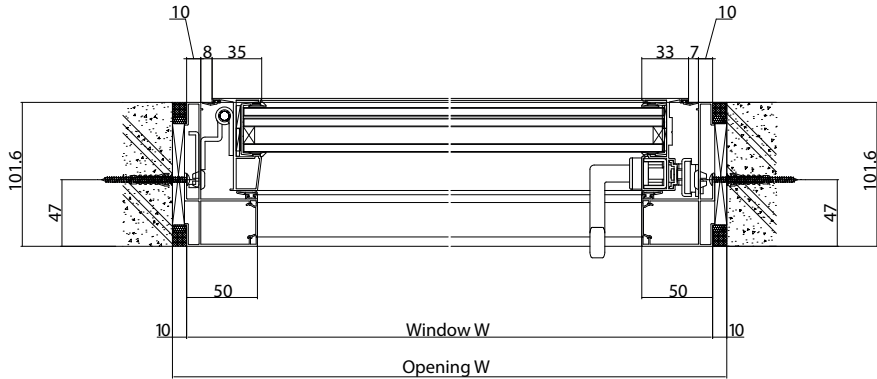
Vertical section: Fixed



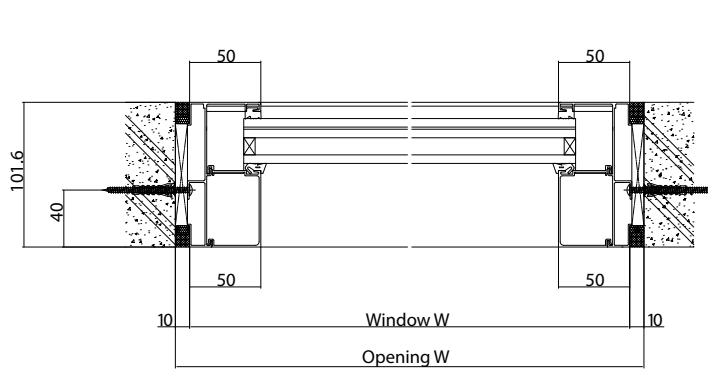
Horizontal section: Awning window



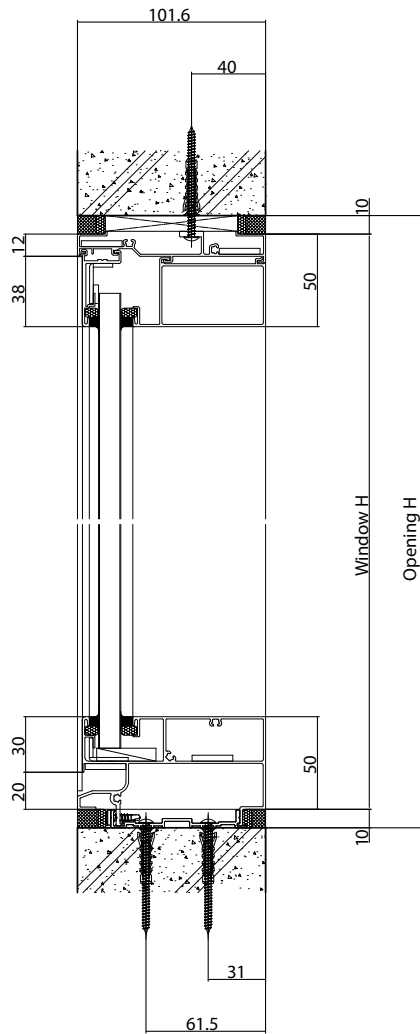
Horizontal section:
Casement window with friction stay



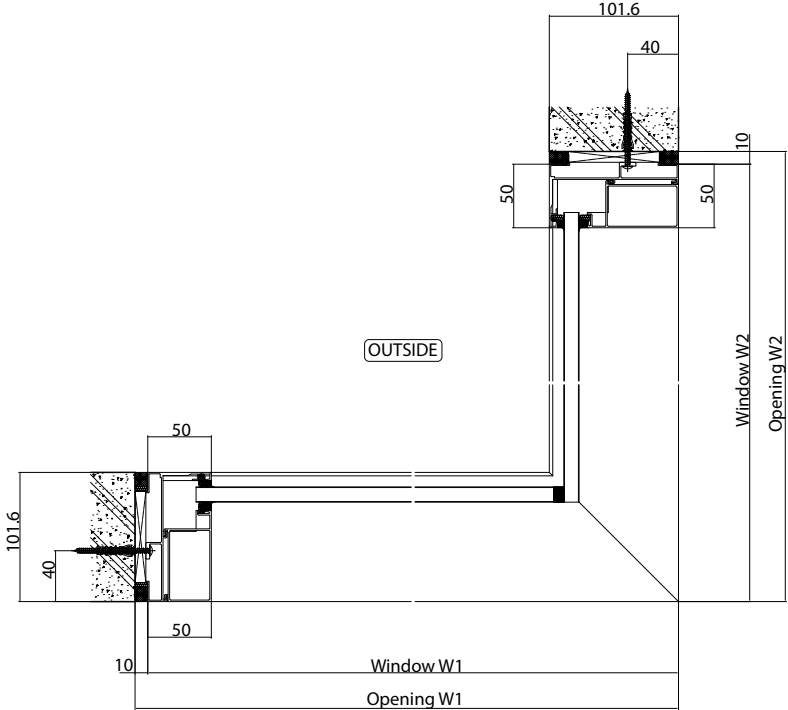
Horizontal section: Casement window with hinge



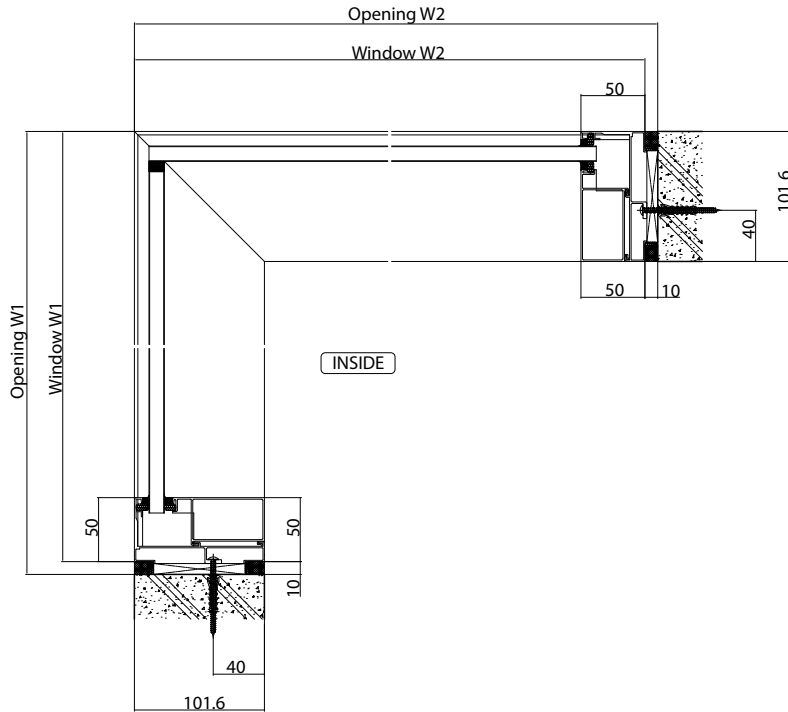
Horizontal section: Fixed



Vertical section: Corner Fixed



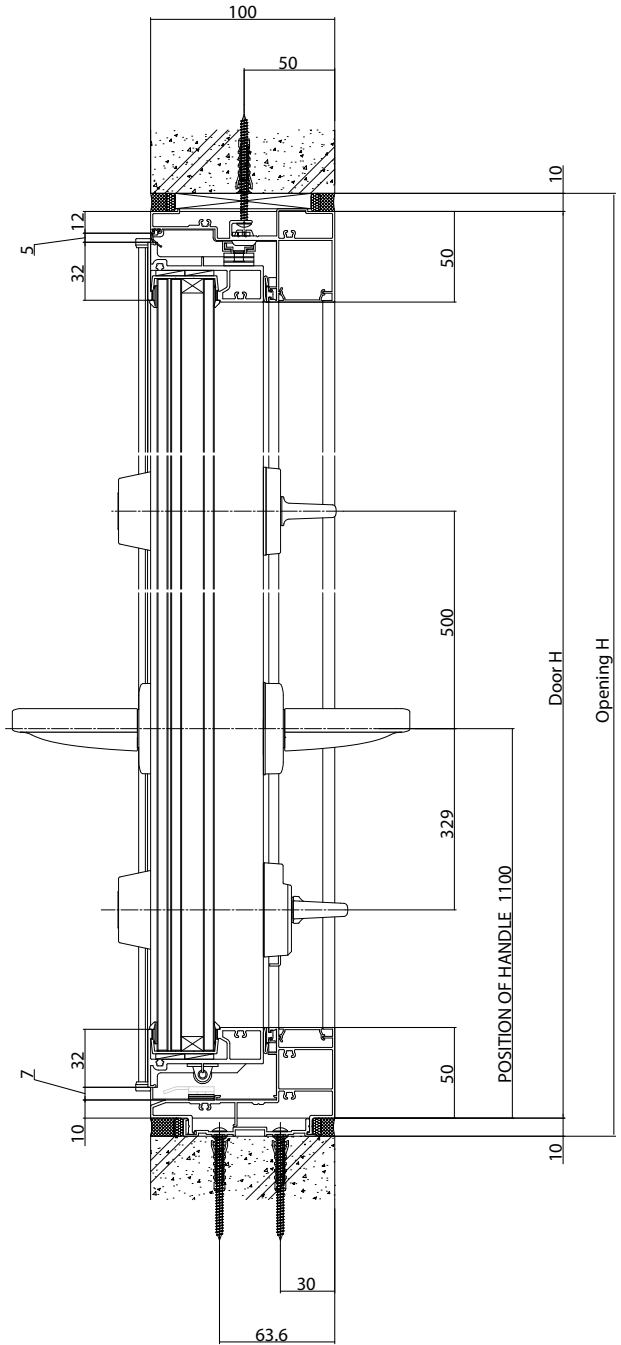
Horizontal section: Inward Corner Fixed



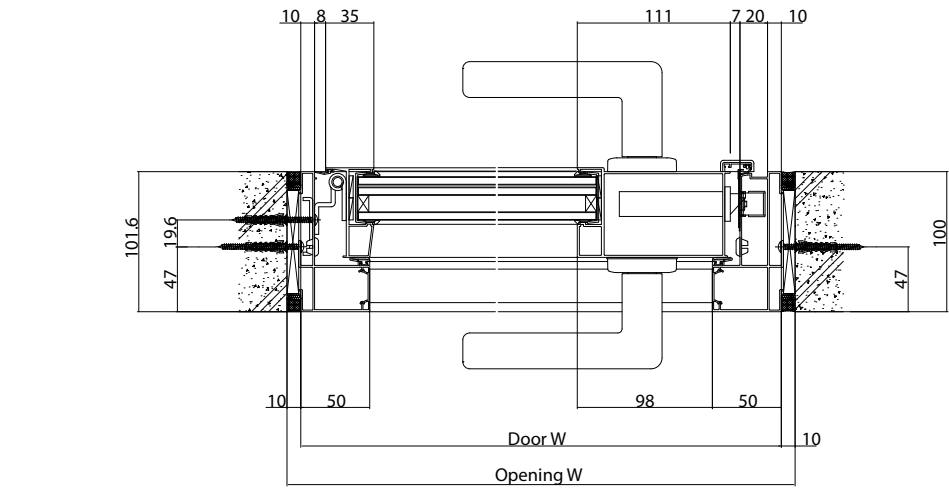
Horizontal section: Outward Corner Fixed

GRANTS

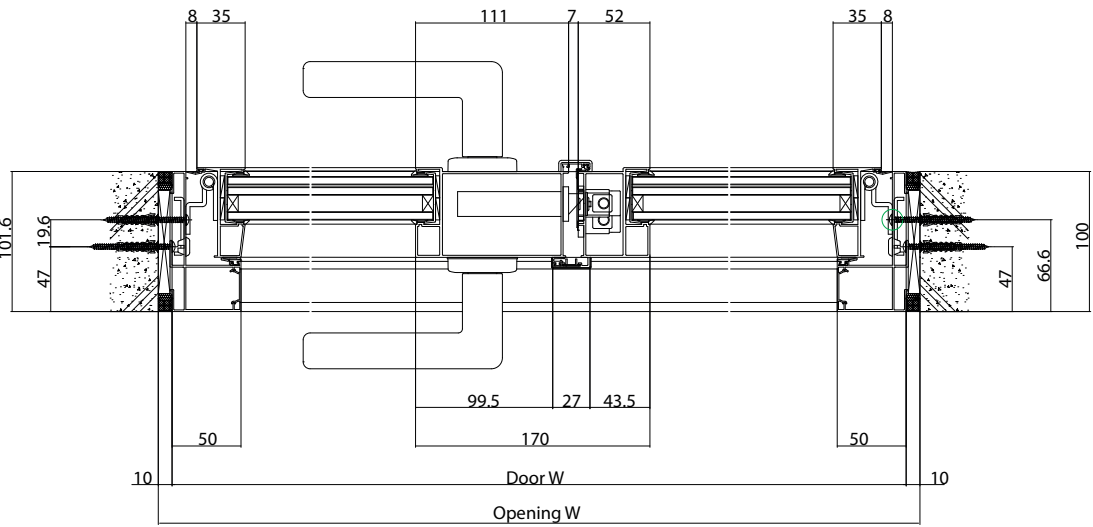
OUT-SWING DOOR



Vertical section: Out-swing door



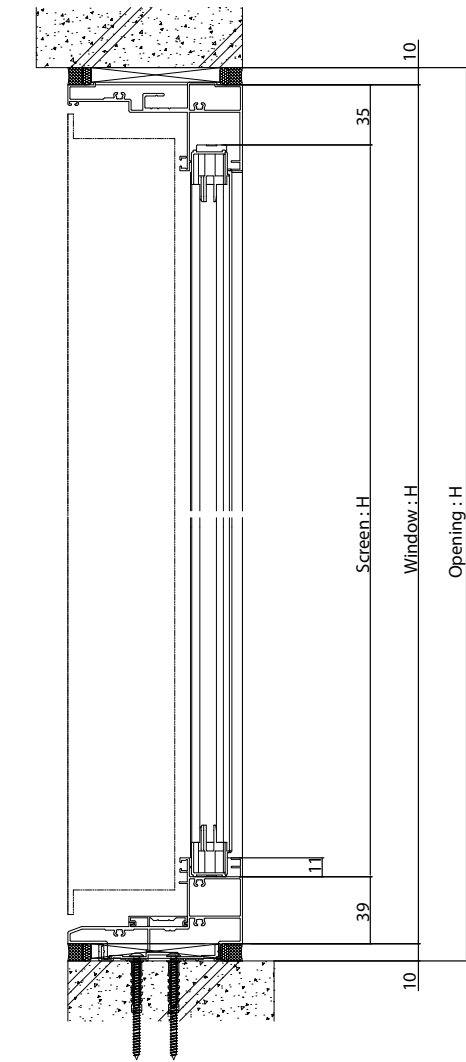
Horizontal section: Out-swing door (single)



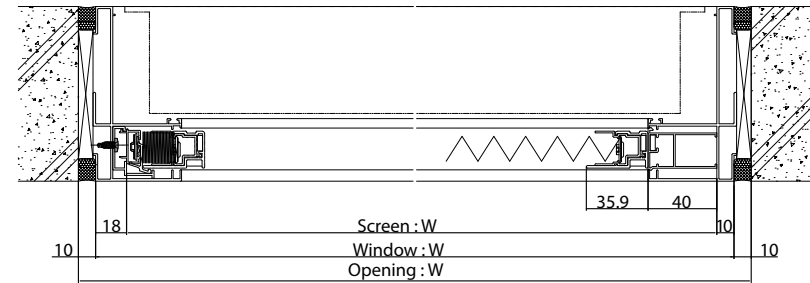
Horizontal section: Out-swing door (double)

GRANTS

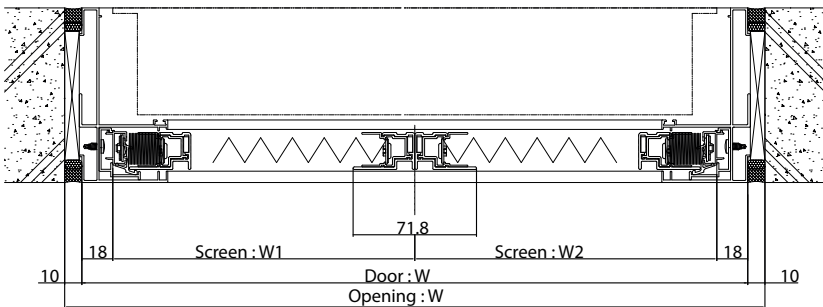
INSECT SCREEN FOR SWING



Vertical section: Insect screen for swing



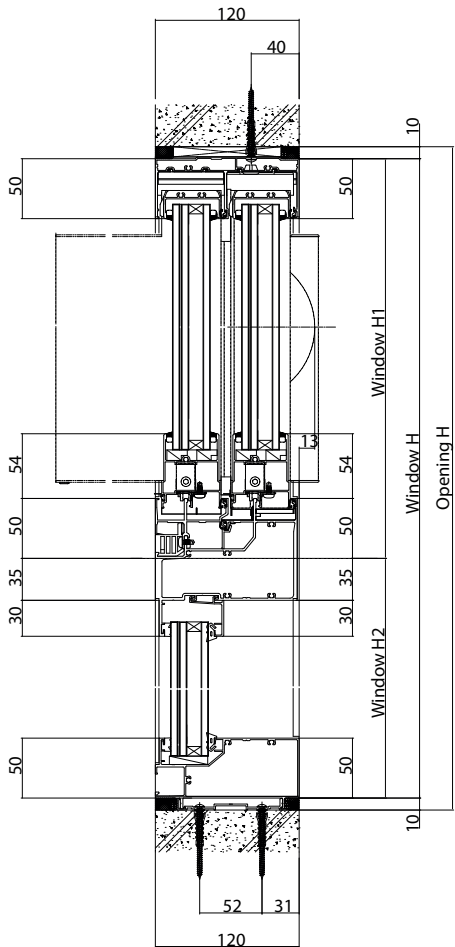
Horizontal section: Insect screen for swing (single)



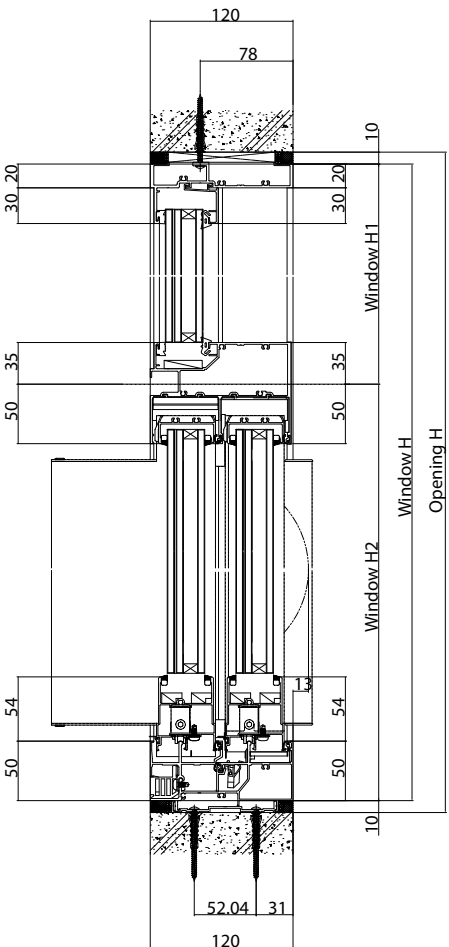
Horizontal section: Insect screen for swing (double)

GRANTS

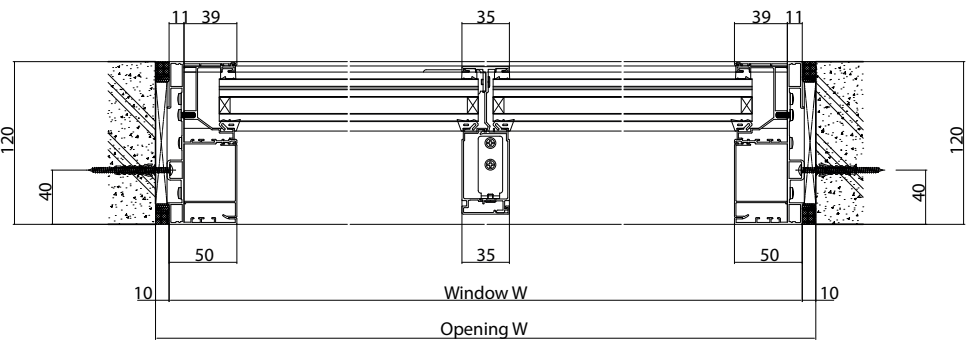
COMBINATION WINDOW



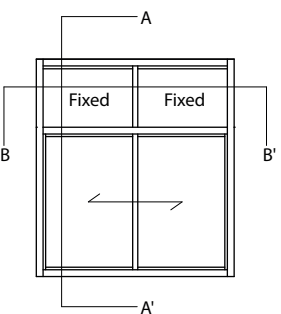
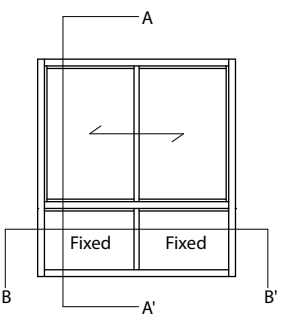
Vertical section: Sliding/Fixed A-A'



Vertical section: Fixed/Sliding A-A'

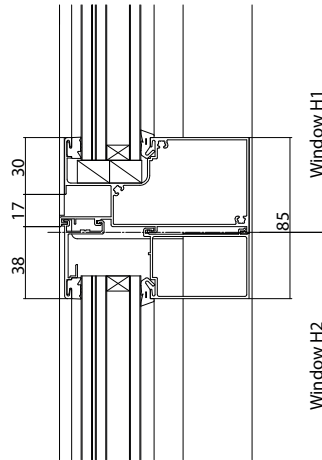


Horizontal section: Sliding/Fixed or Fixed/Sliding B-B'

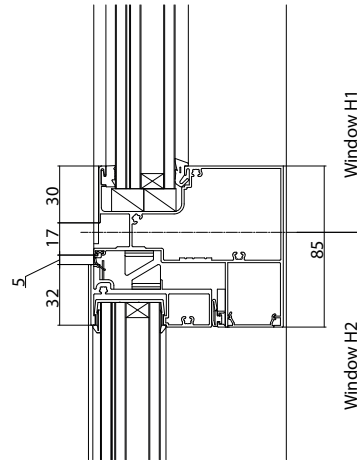


GRANTS

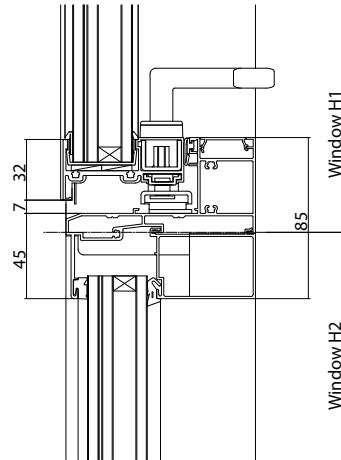
TRANSOM



Vertical section:
Fixed/Fixed transom



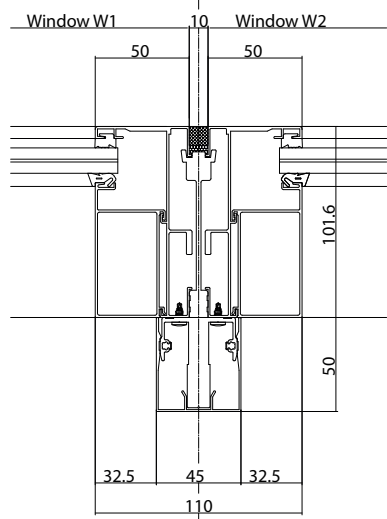
Vertical section:
Fixed/Projection transom



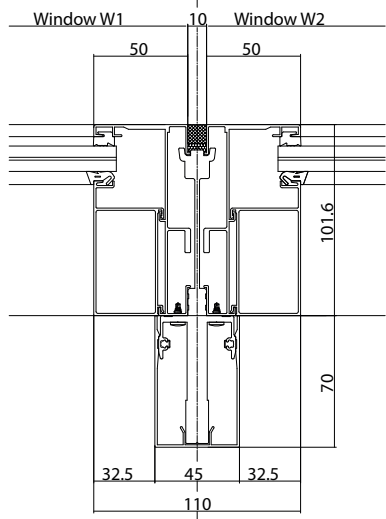
Vertical section:
Projection/Fixed transom

GRANTS

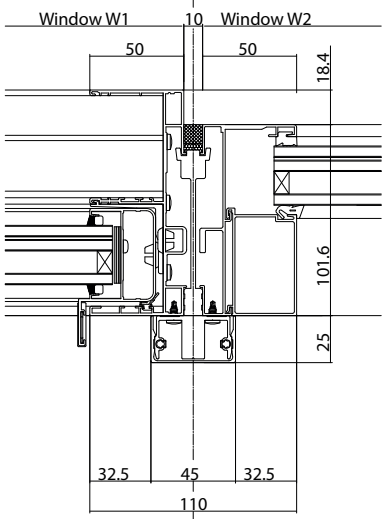
MULLION



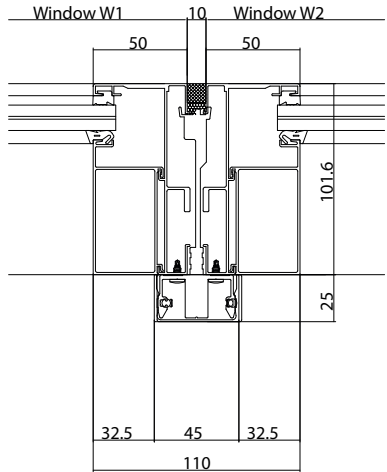
Mullion type B



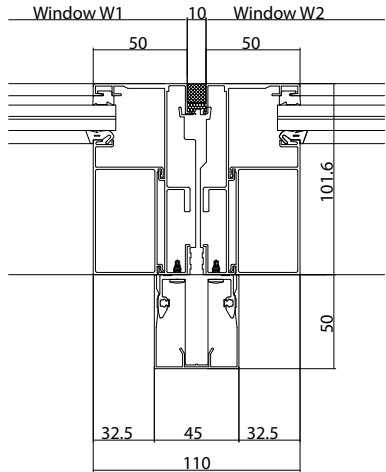
Mullion type C



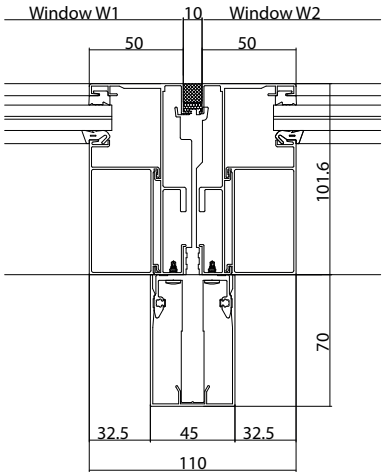
Mullion type A with sliding window



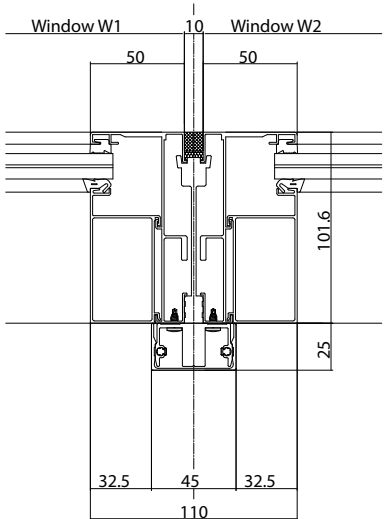
Mullion Adjust type A



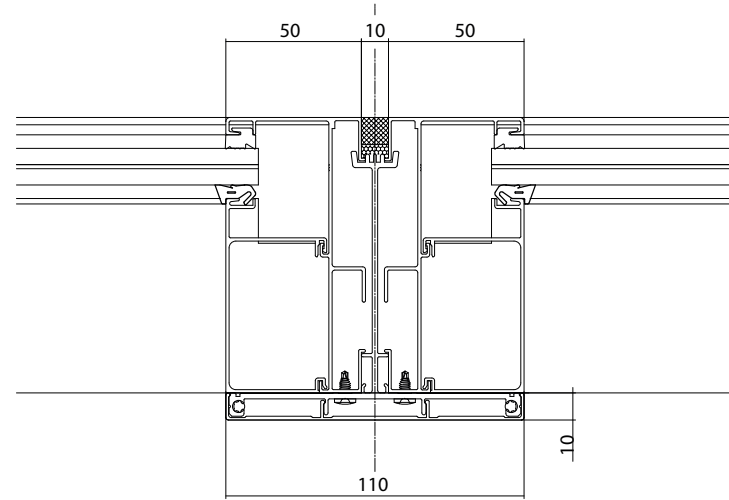
Mullion Adjust type B



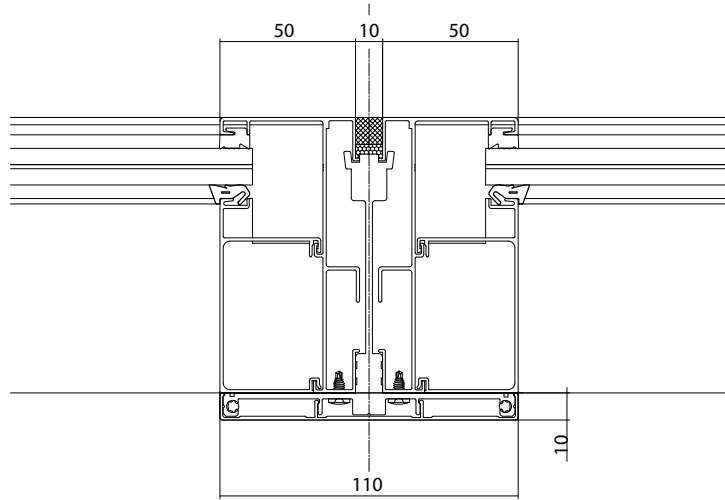
Mullion Adjust type C



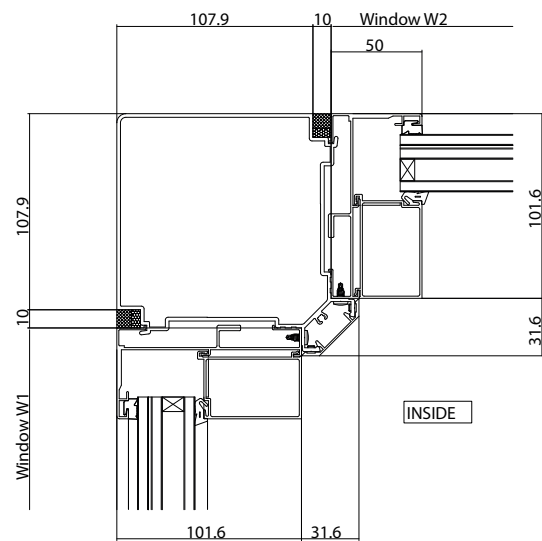
Mullion type A



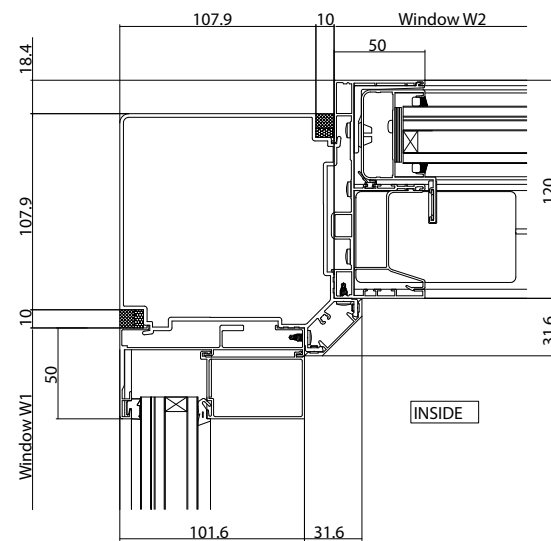
Mullion 180° Flat A



Mullion 180° Flat B



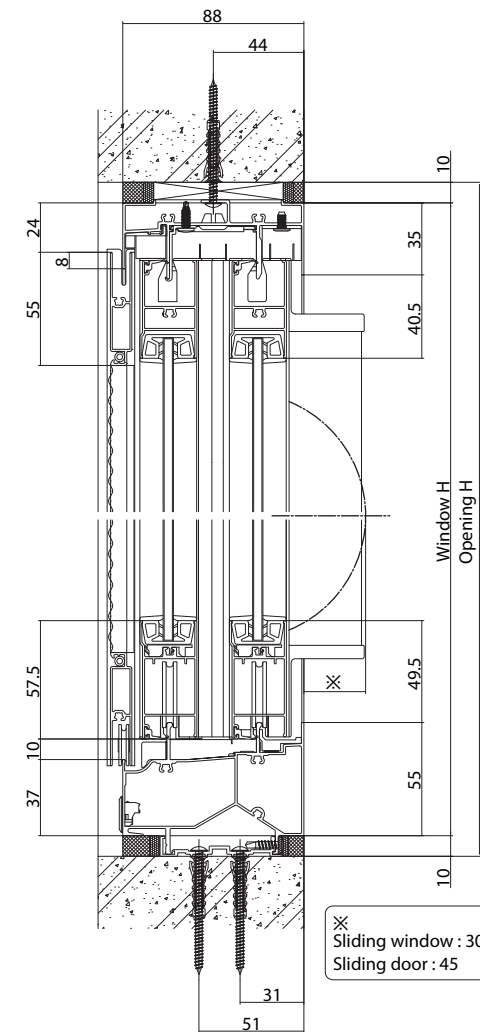
Corner mullion



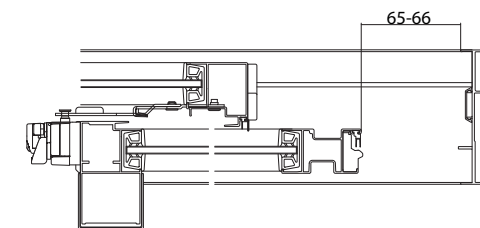
Corner mullion with sliding window

ATIS PLUS

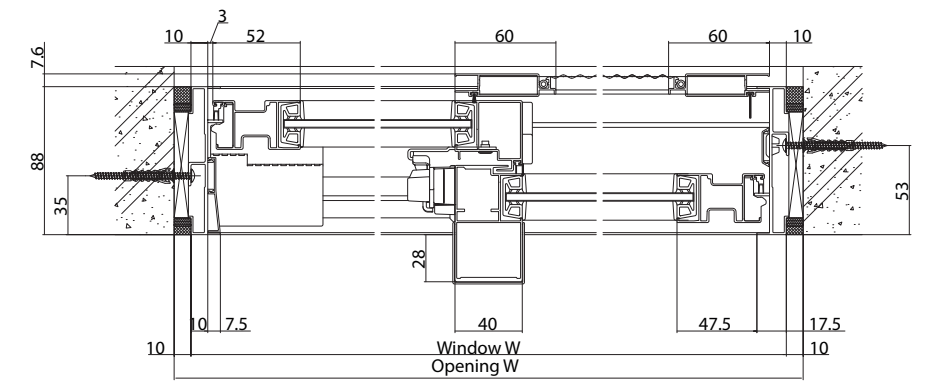
SLIDING (2P2T, 4P2T) WITH OUTSIDE INSECT SCREEN



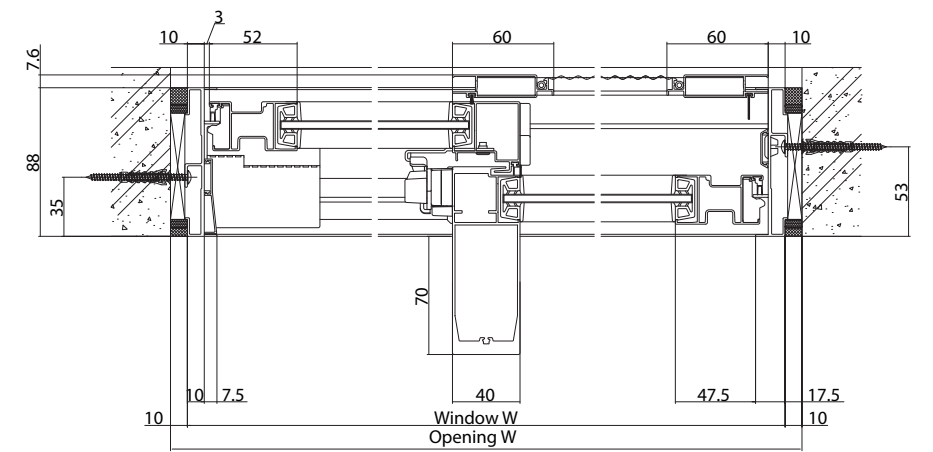
Vertical section: Sliding
(2 and 4 panels on 2 tracks)
with TL-X screen



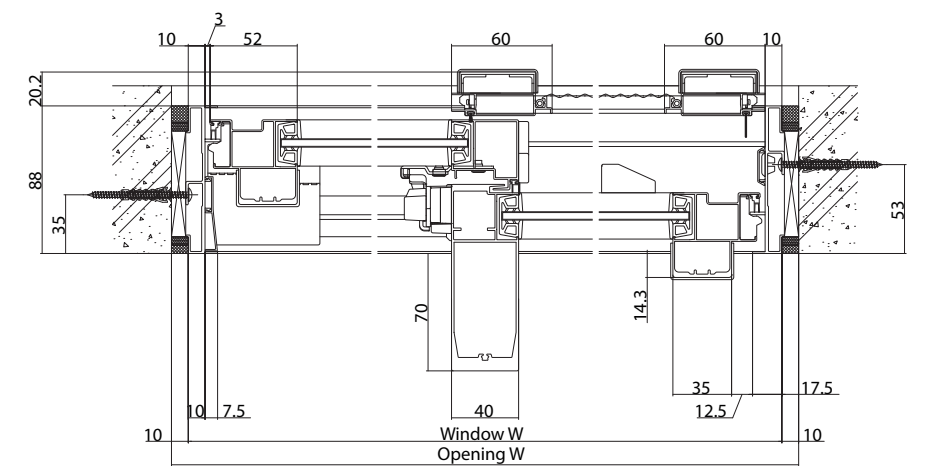
Options (limit arm) Jamb detail



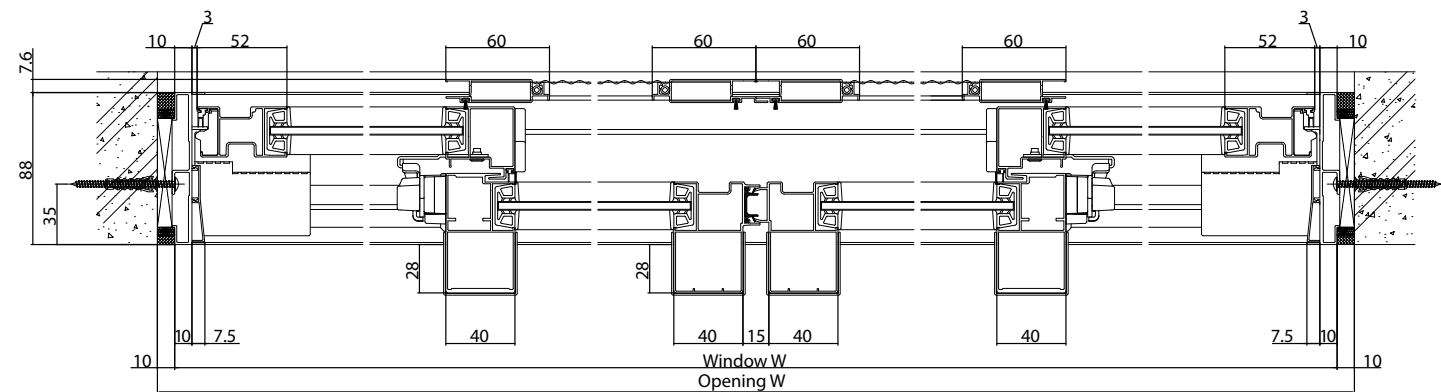
Horizontal section: Sliding window (2 panels on 2 tracks) with TL-X screen



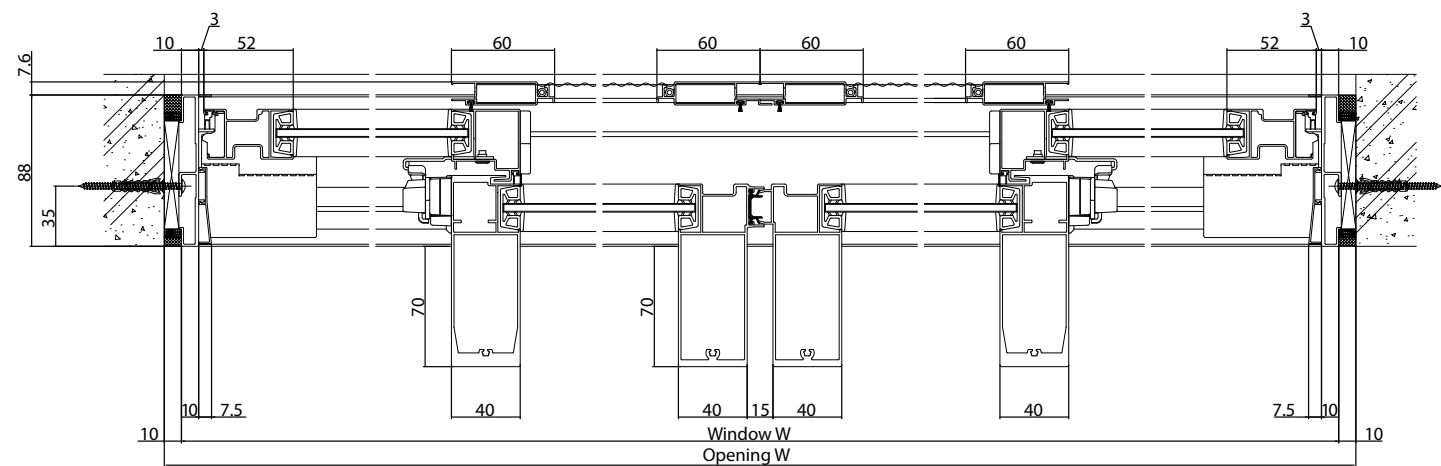
Horizontal section: Sliding door (2 panels on 2 tracks) $H \leq 2100$ with TL-X screen



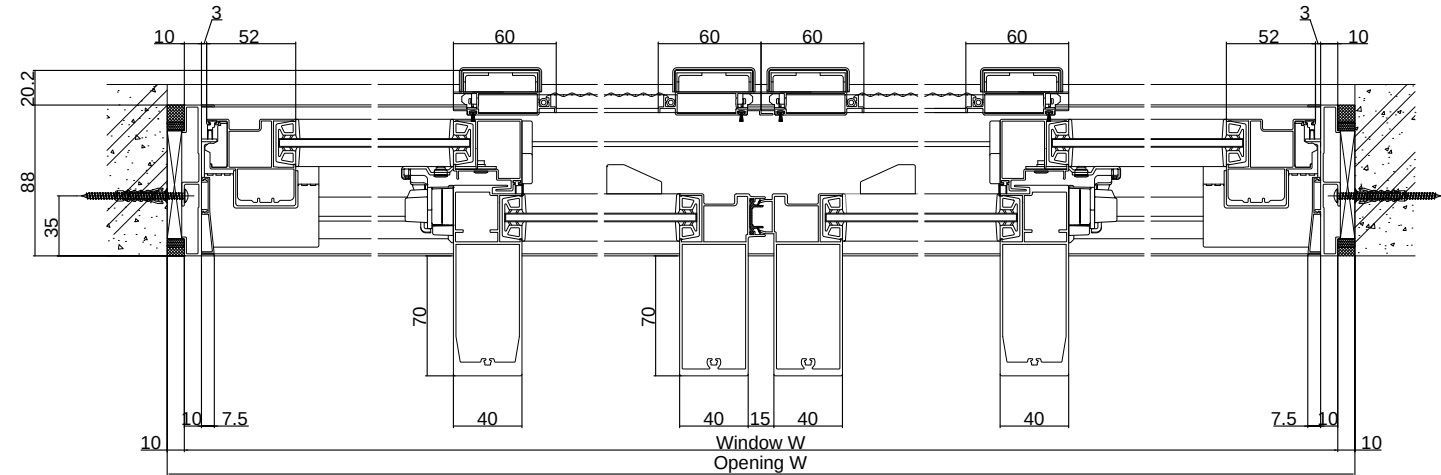
Horizontal section: Sliding door (2 panels on 2 tracks) $H > 2100$ with TR-X screen



Horizontal section: Sliding window (4 panels on 2 tracks) with TL-X screen



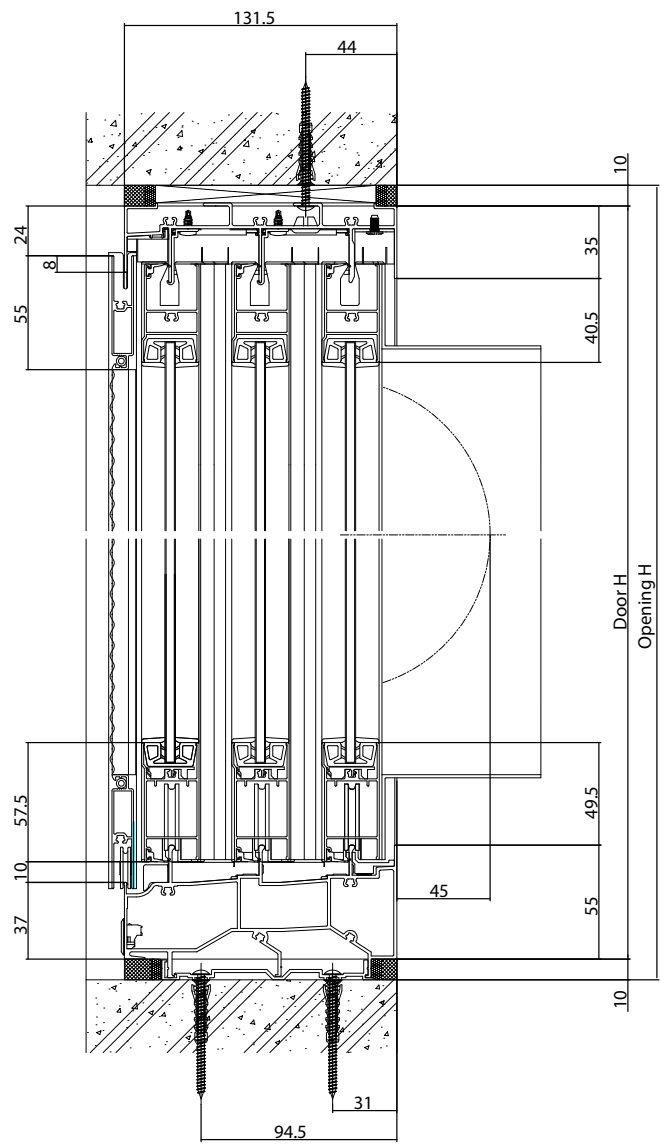
Horizontal section: Sliding door (4 panels on 2 tracks) $H \leq 2100$ with TL-X screen



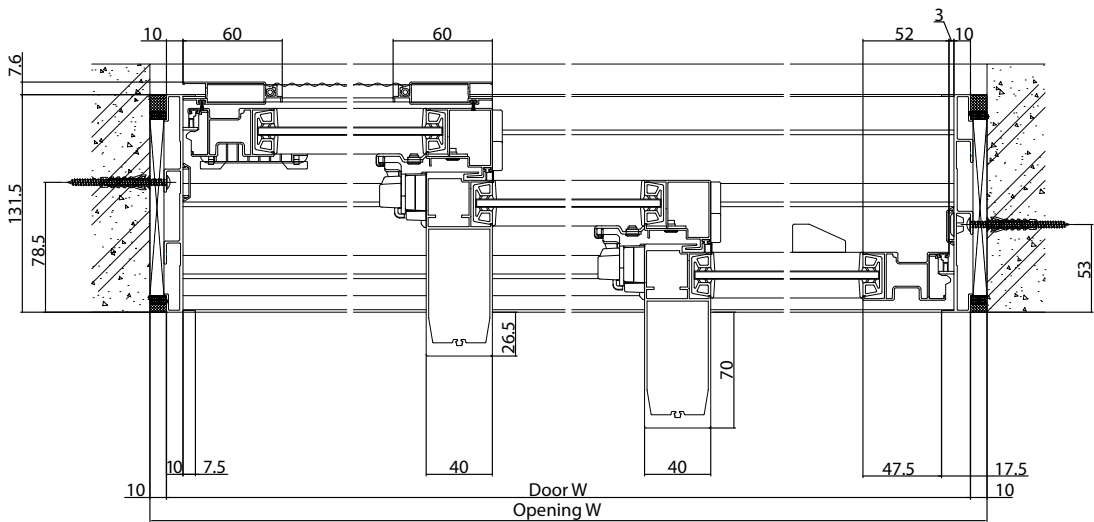
Horizontal section: Sliding door (4 panels on 2 tracks) $H > 2100$ with TR-X screen

ATIS PLUS

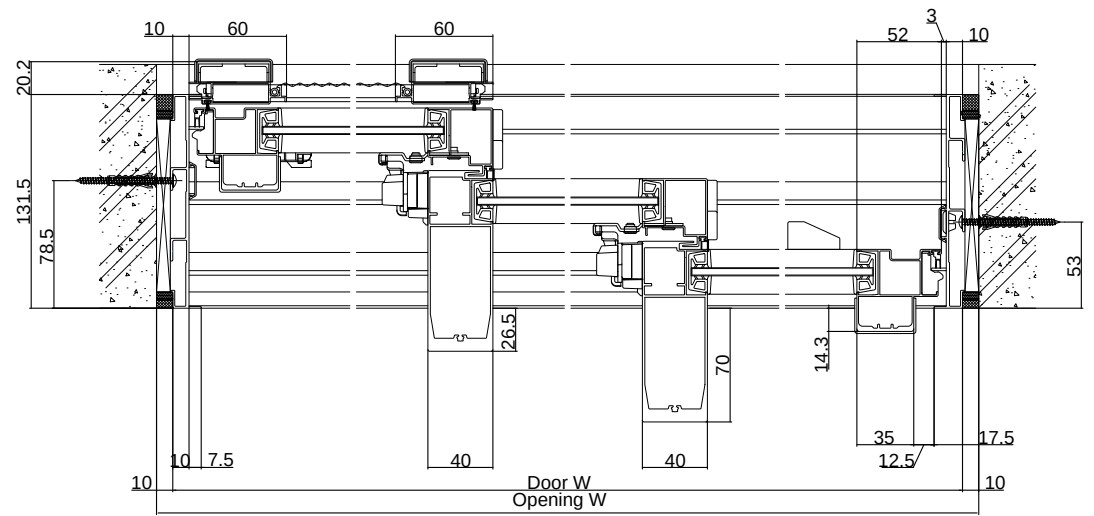
SLIDING (3P3T) WITH OUTSIDE INSECT SCREEN



Vertical section: Sliding door (3 panels on 3 tracks) with TL-X screen



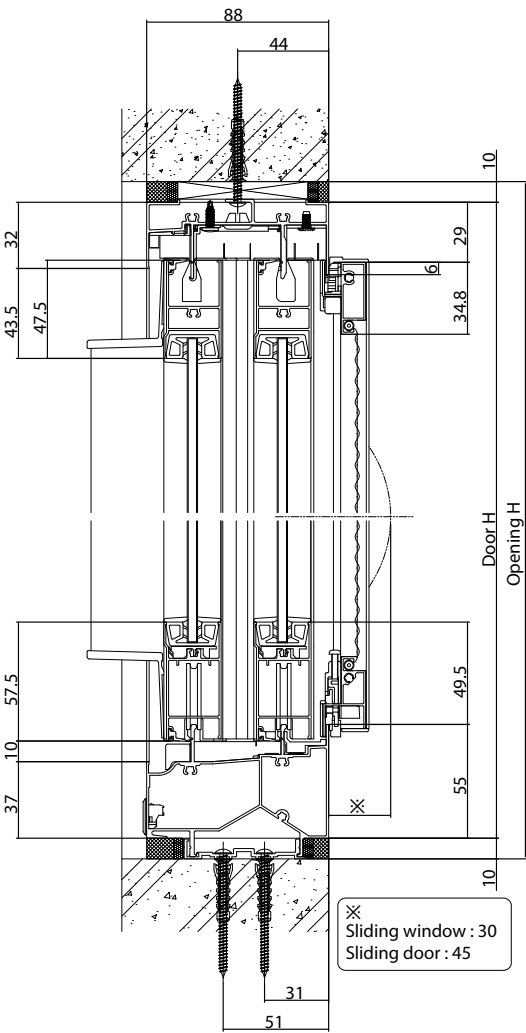
Horizontal section: Sliding door (3 panels on 3 tracks) $H \leq 2100$ with TL-X screen



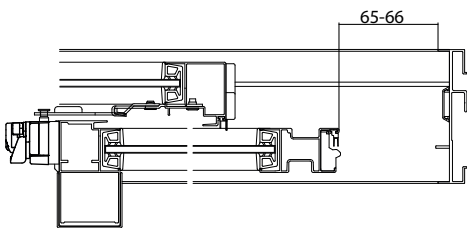
Horizontal section: Sliding door (3 panels on 3 tracks) $H > 2100$ with TR-X screen

ATIS PLUS

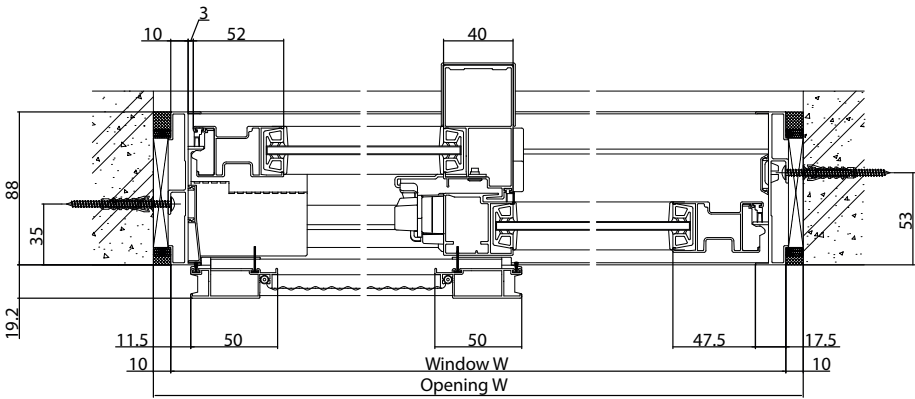
SLIDING (2P2T, 4P2T) WITH INSIDE INSECT SCREEN



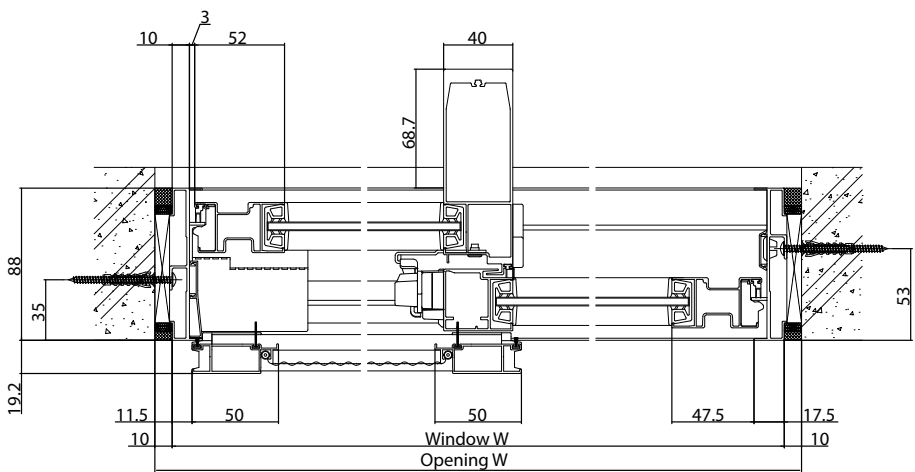
Vertical section: Sliding (2 and 4 panels on 2 tracks) with TL-N screen



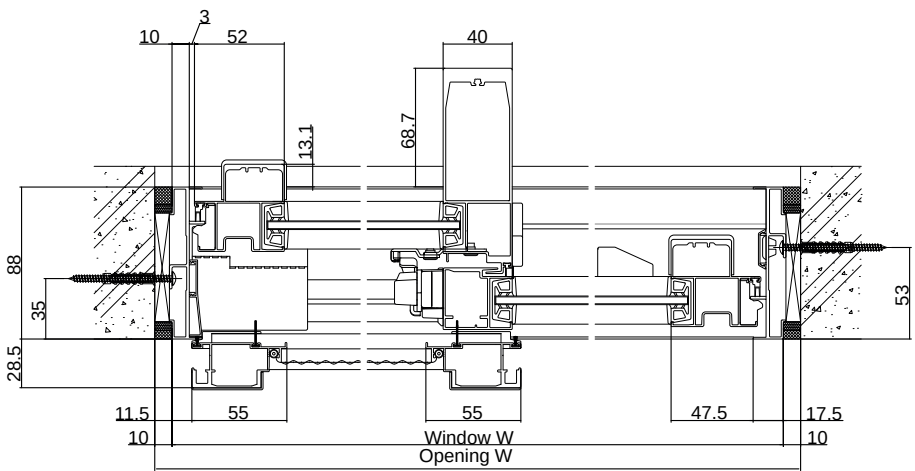
Options (limit arm) Jamb detail



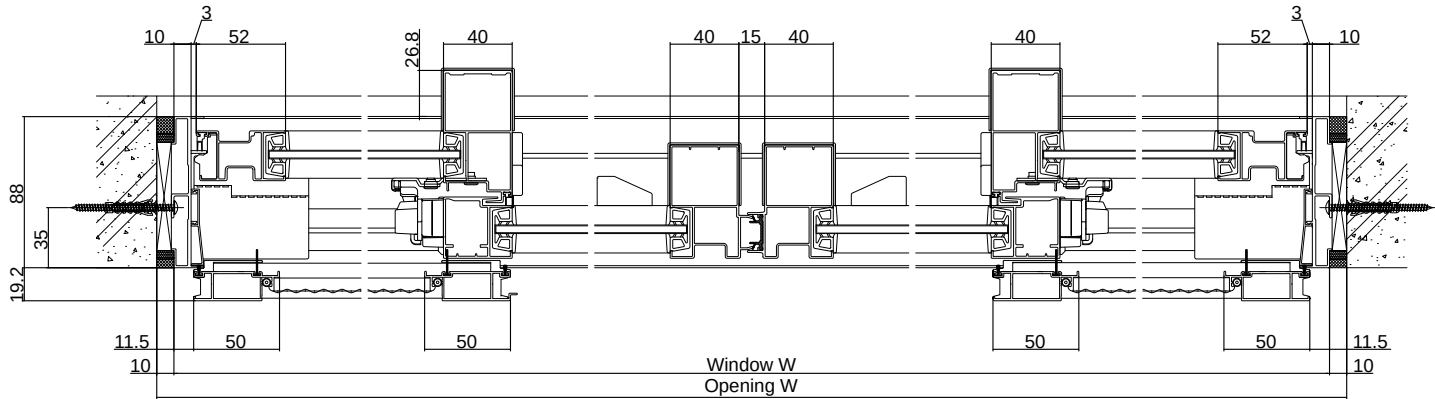
Horizontal section: Sliding window (2 panels on 2 tracks) with TL-N screen



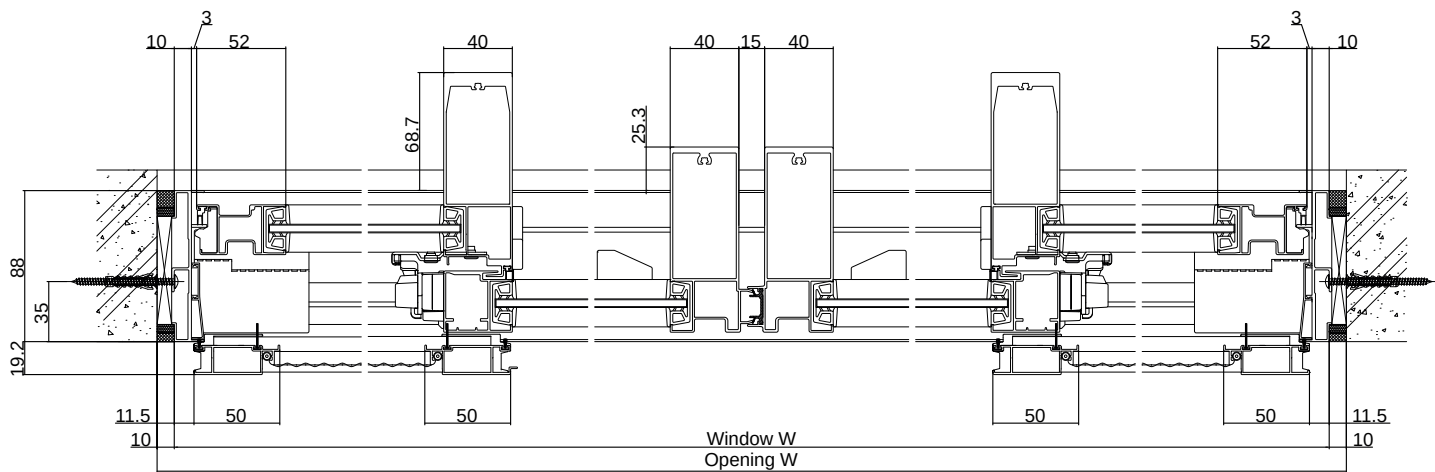
Horizontal section: Sliding door (2 panels on 2 tracks) H ≤ 2100 with TL-N screen



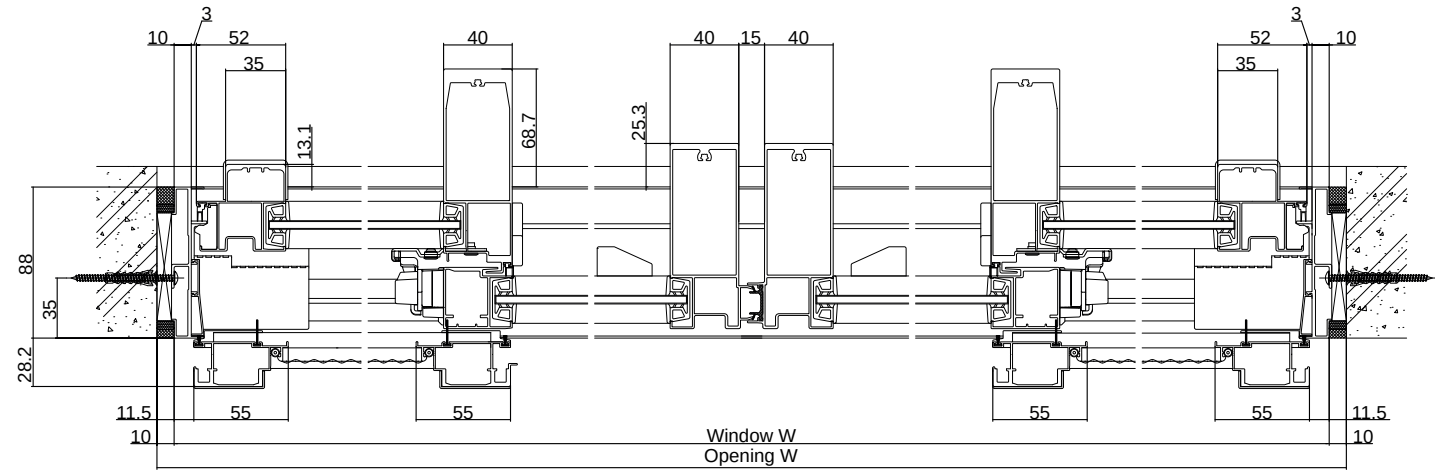
Horizontal section: Sliding door (2 panels on 2 tracks) H > 2100 with TR-N screen



Horizontal section: Sliding window (4 panels on 2 tracks) with TL-N screen



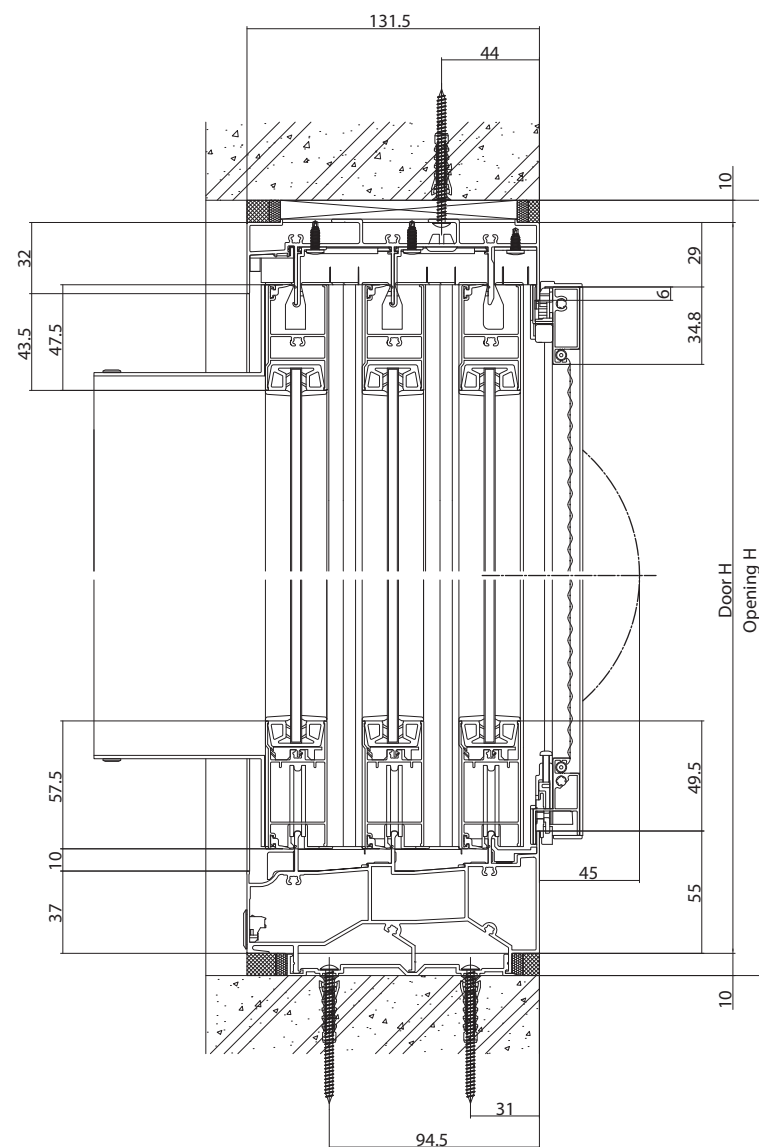
Horizontal section: Sliding door (4 panels on 2 tracks) H ≤ 2100 with TL-N screen



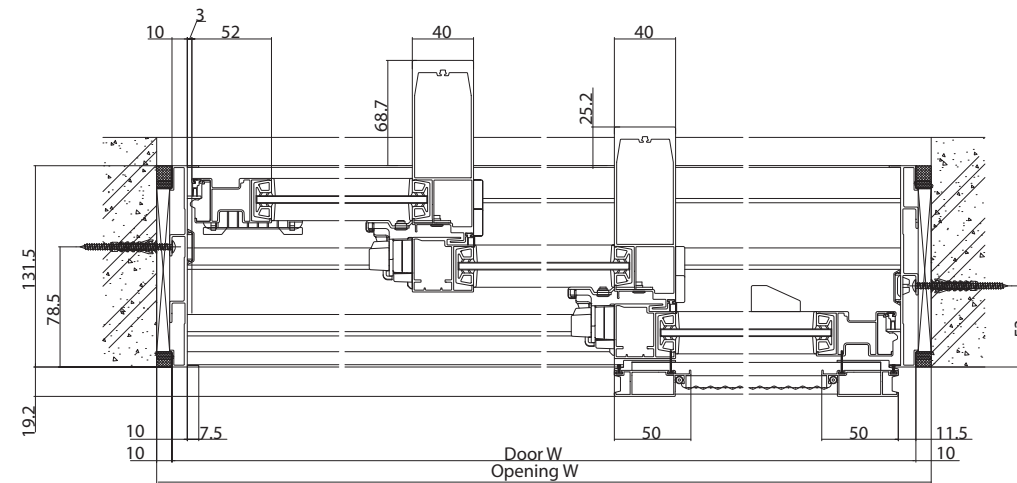
Horizontal section: Sliding door (4 panels on 2 tracks) H > 2100 with TR-N screen

ATIS PLUS

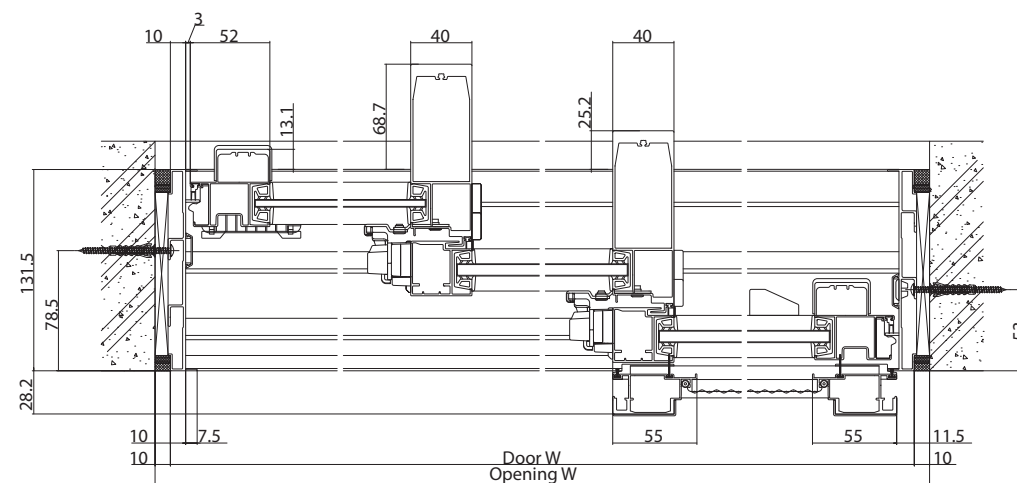
SLIDING (3P3T) WITH INSIDE INSECT SCREEN



Vertical section: Sliding door (3 panels on 3 tracks) with TL-N screent



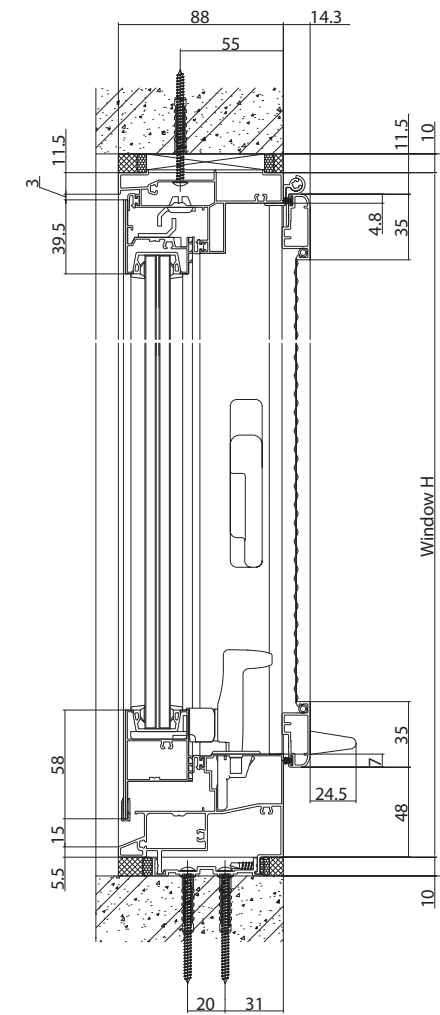
Horizontal section: Sliding door (3 panels on 3 tracks) $H \leq 2100$ with TL-N screen



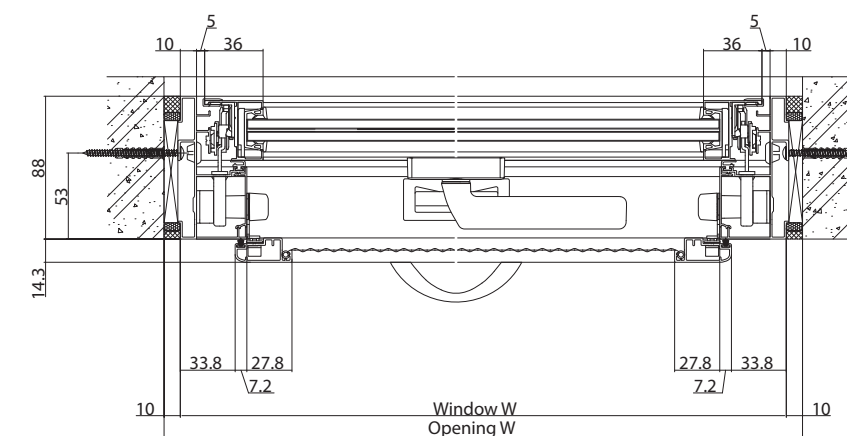
Horizontal section: Sliding door (3 panels on 3 tracks) $H > 2100$ with TR-N screen

ATIS PLUS

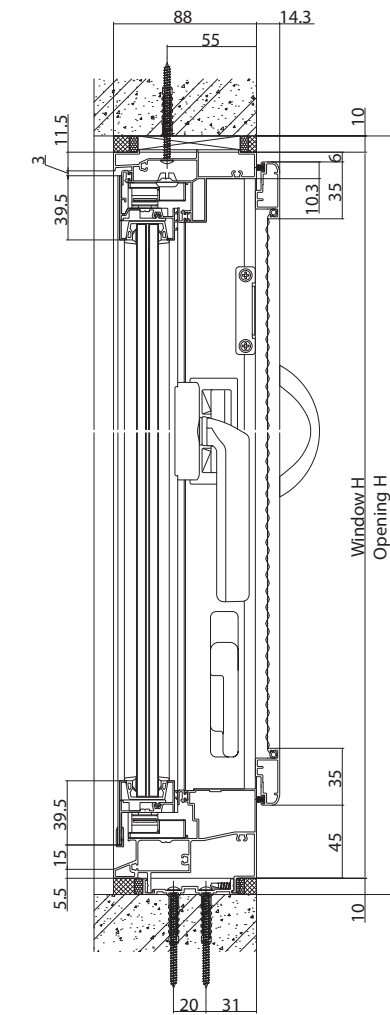
AWNING, CASEMENT



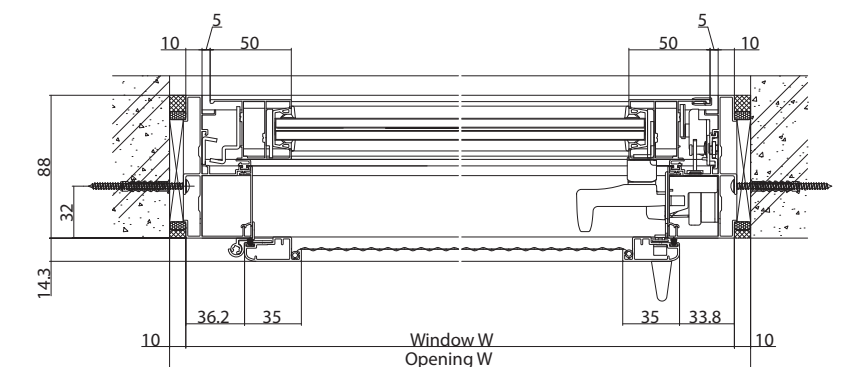
Vertica section: Awning window with screen



Horizontal section: Awning window with screen (Multi-lock)

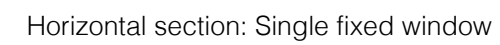
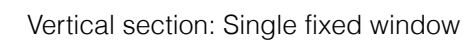


Vertical section: Casement window with screen

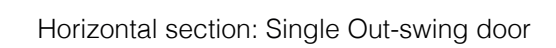


Horizontal section: Casement window with screen (Multi-lock)

FIXED WINDOW

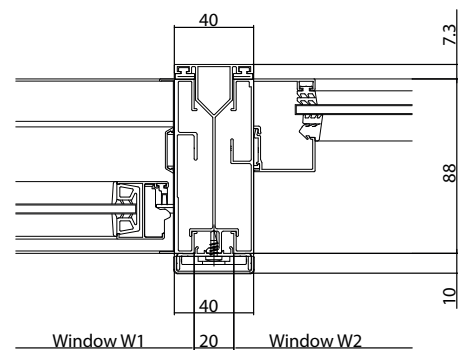


SINGLE OUT-SWING DOOR

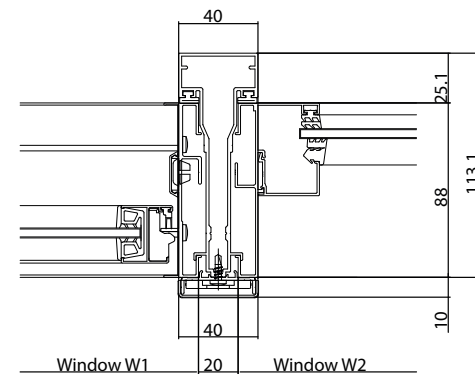


ATIS PLUS

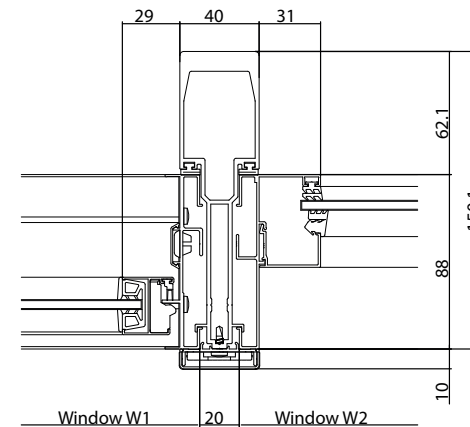
TRANSOM & MULLION



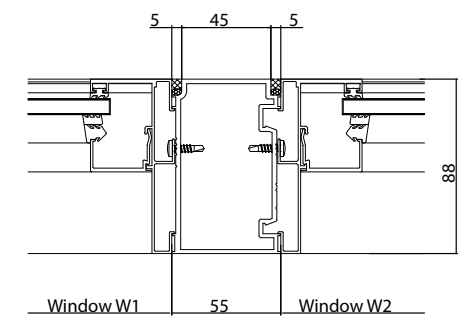
Mullion 180 Type A



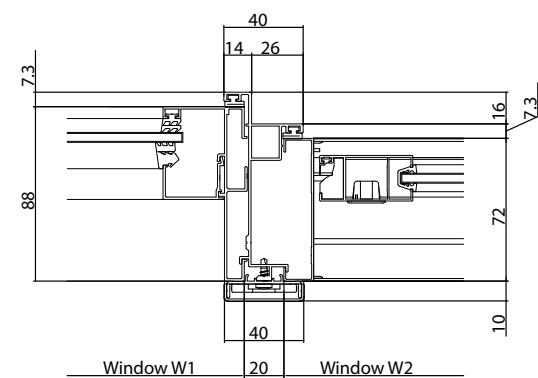
Mullion 180 Type B



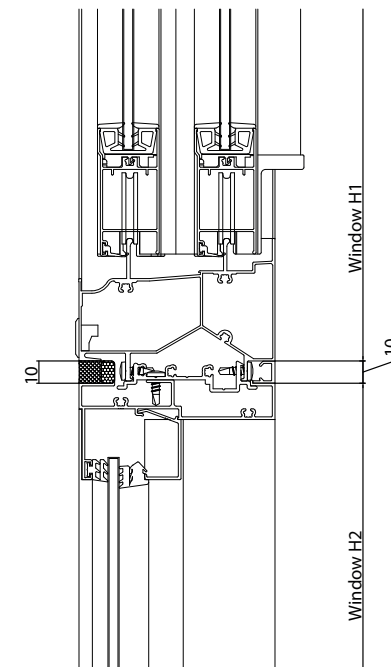
Mullion 180 Type C



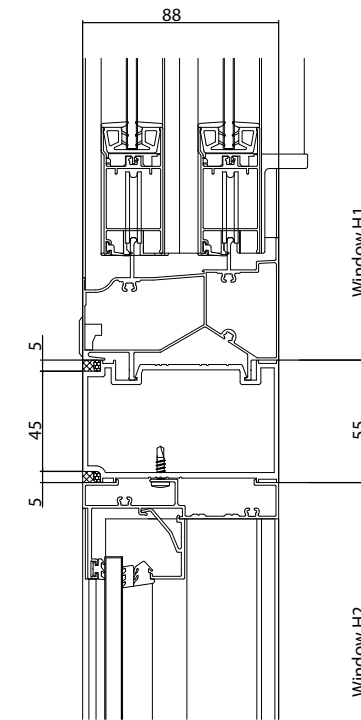
Reinforcement Mullion 180



Mullion 180 for WE combination



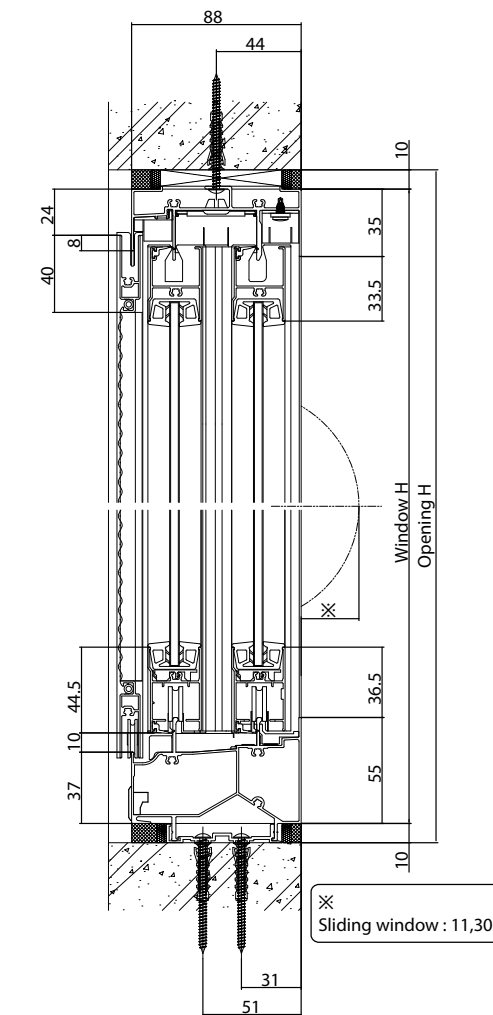
Transom Type A (88 mm)



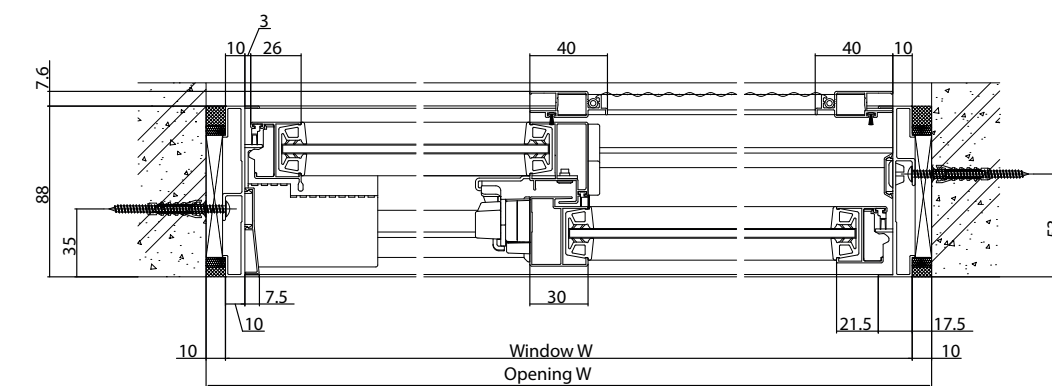
Reinforcement Transom

ATIS

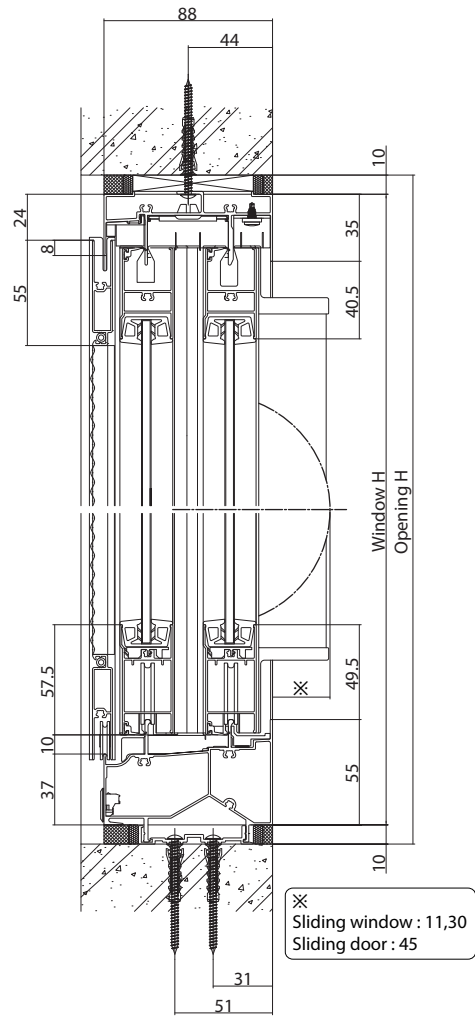
SLIDING (2P2T, 4P2T) WITH OUTSIDE INSECT SCREEN



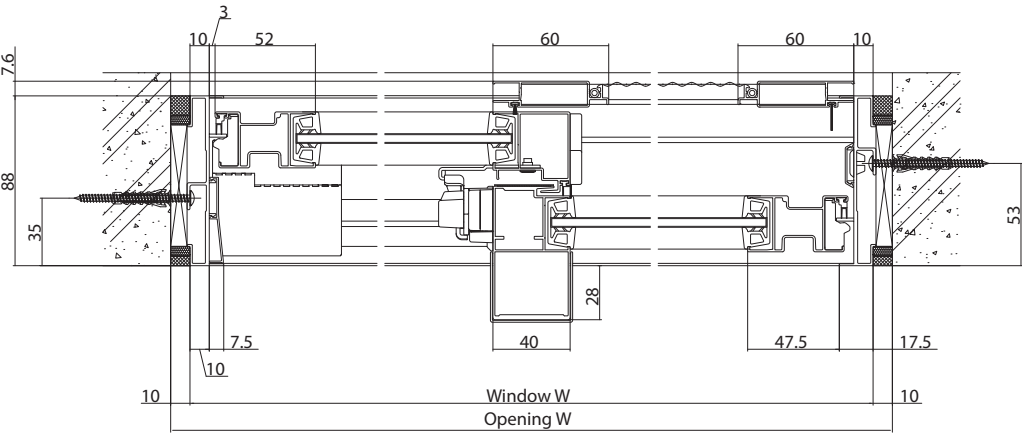
Vertical section: Sliding (2 panels on 2 tracks) Type A with TS-X screen



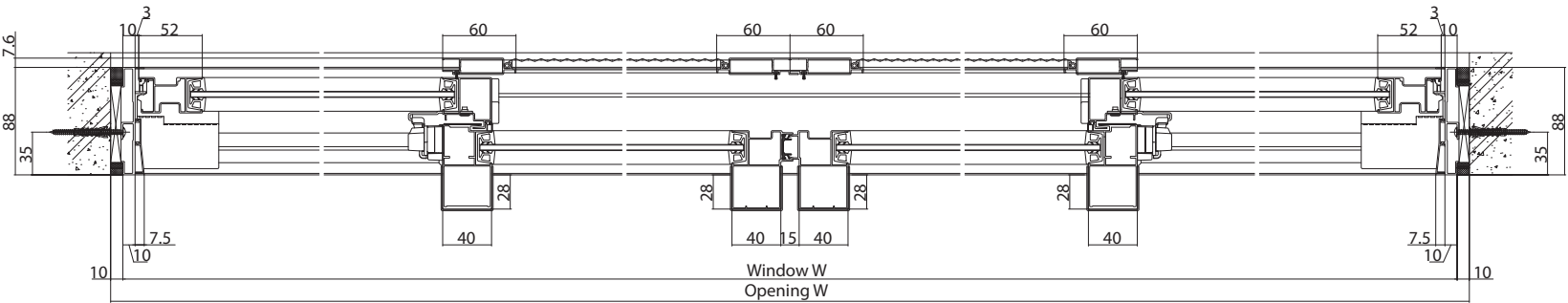
Horizontal section: Sliding (2 panels on 2 tracks) Type A with TS-X screen



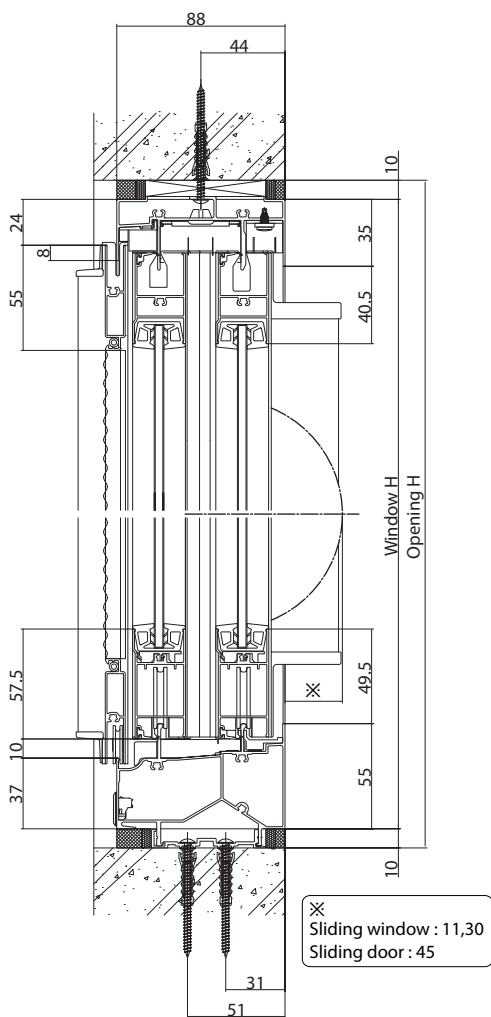
Vertical section: Sliding
(2 and 4 panels on 2 tracks)
Type B with TL-X screen



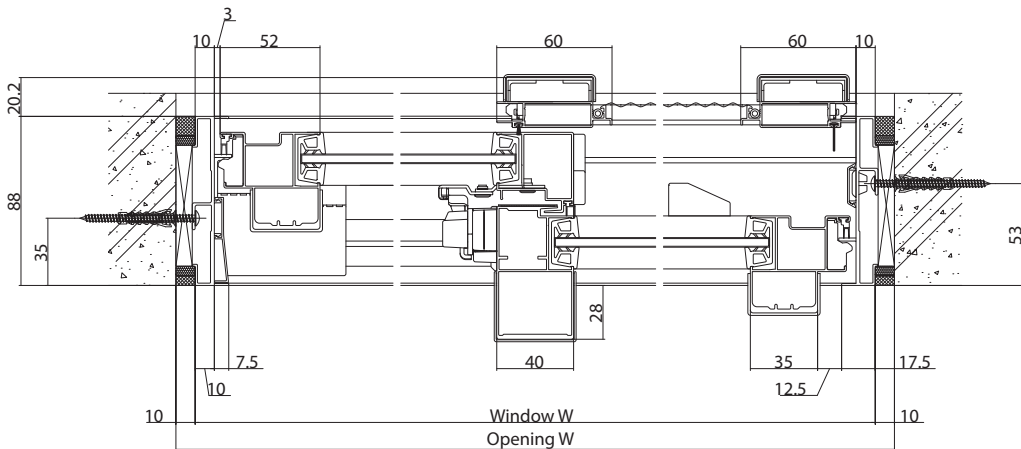
Horizontal section: Sliding (2 panels on 2 tracks) Type B with TL-X screen



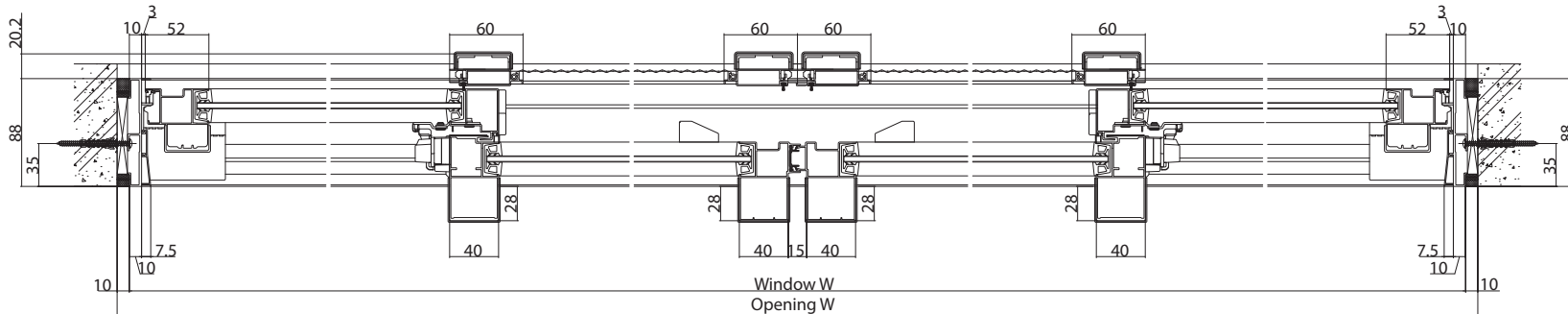
Horizontal section: Sliding (4 panels on 2 tracks) Type B with TL-X screen



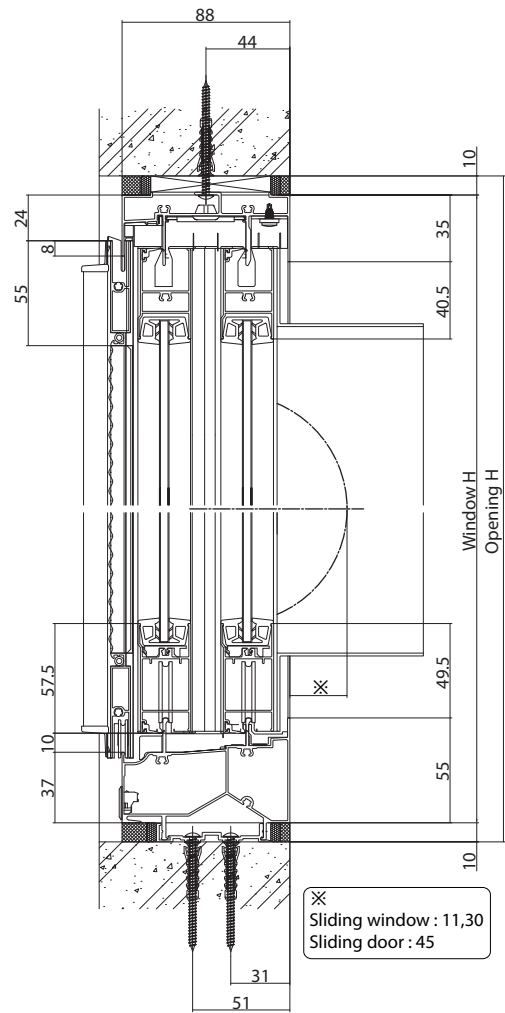
Vertical section: Sliding
(2 and 4 panels on 2 tracks)
Type C with TR-X screen



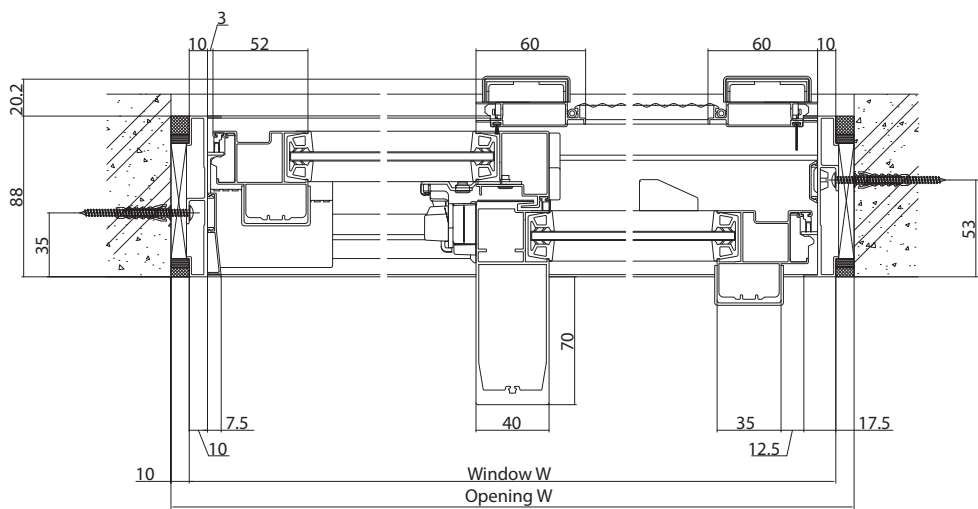
Horizontal section: Sliding (2 panels on 2 tracks) Type C with TR-X screen



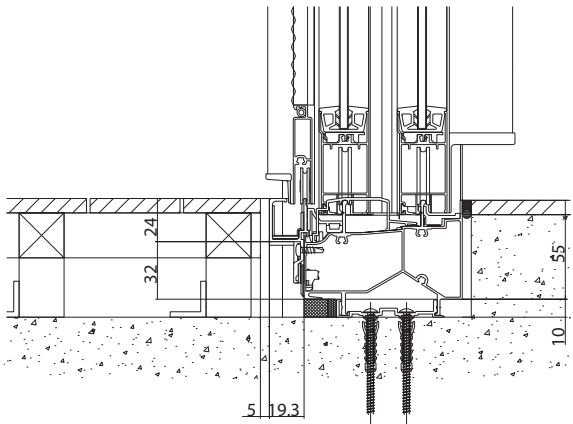
Horizontal section: Sliding (4 panels on 2 tracks) Type C with TR-X screen



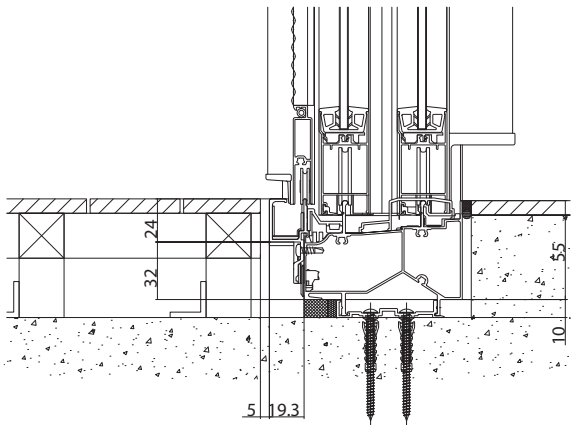
Vertical section: Sliding (2 and 4 panels on 2 tracks)
Type D with TR-X screen



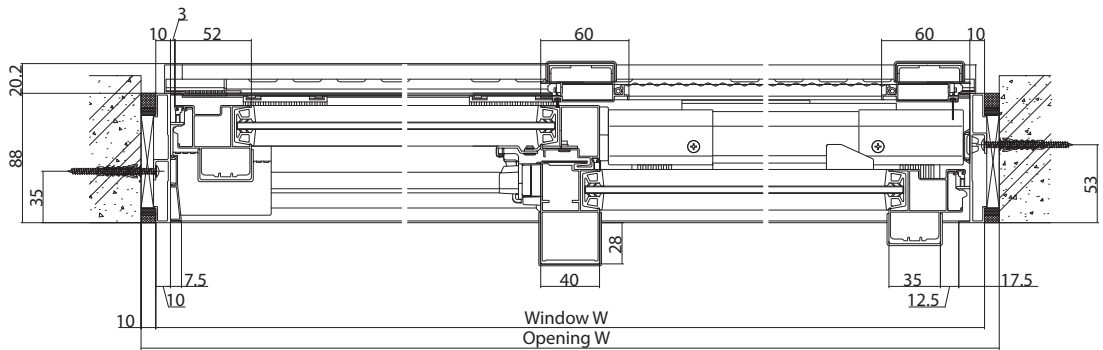
Horizontal section: Sliding (2 panels on 2 tracks) Type D with TR-X screen



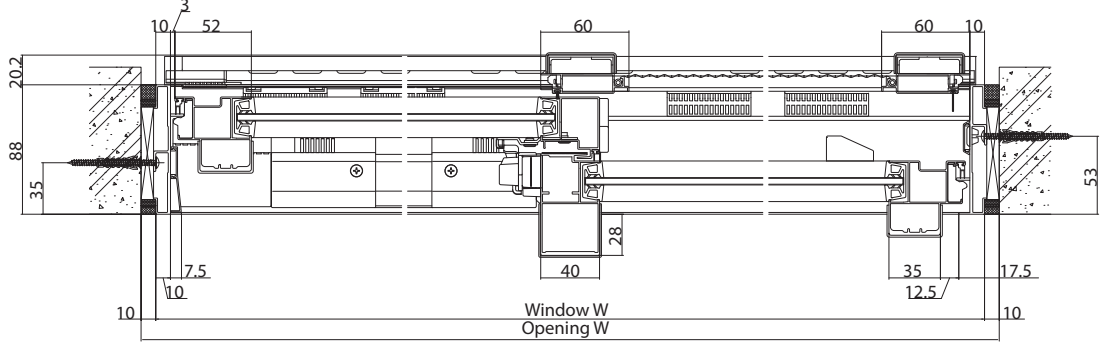
Vertical section: 2 and 4 panels
Barrier flat sill Outside option with TR-X screen



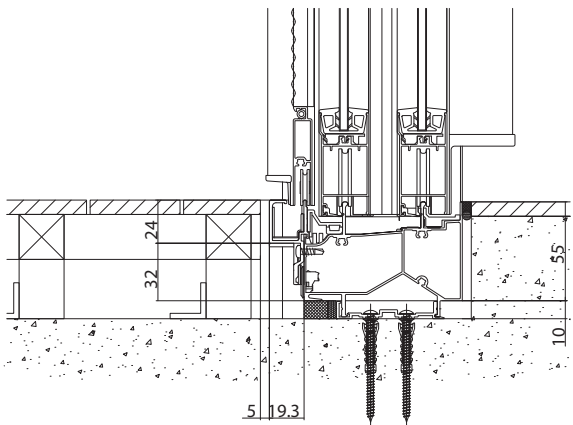
Vertical section: 2 and 4 panels
Barrier flat sill Inside option with TR-X screen



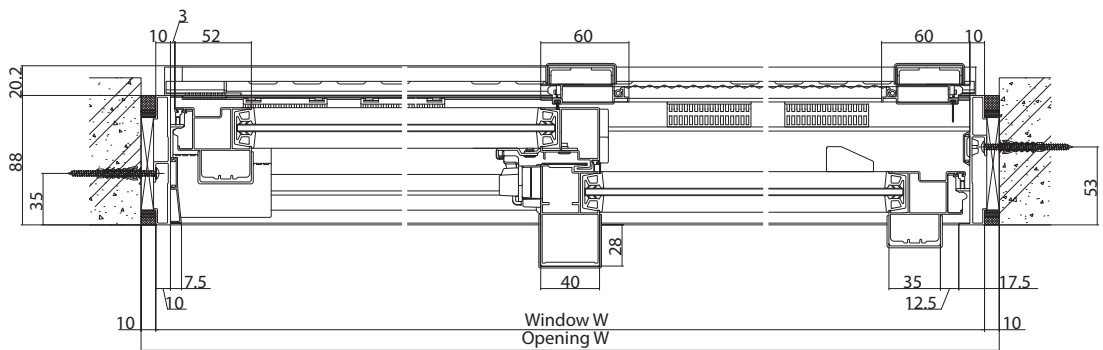
Horizontal section: 2 panels Barrier flat sill Outside option with TR-X screen



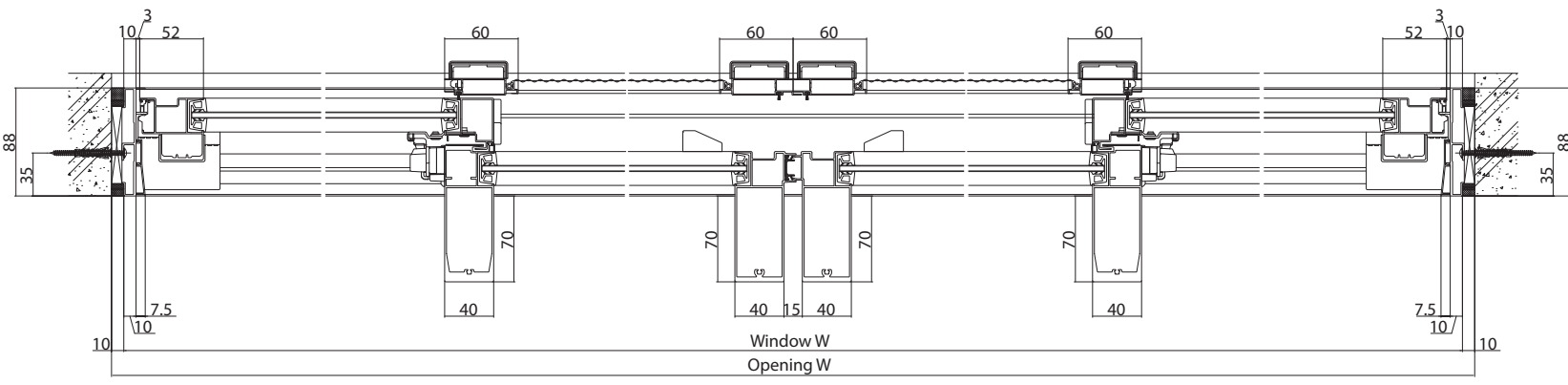
Horizontal section: 2 panels Barrier flat sill Inside option with TR-X screen



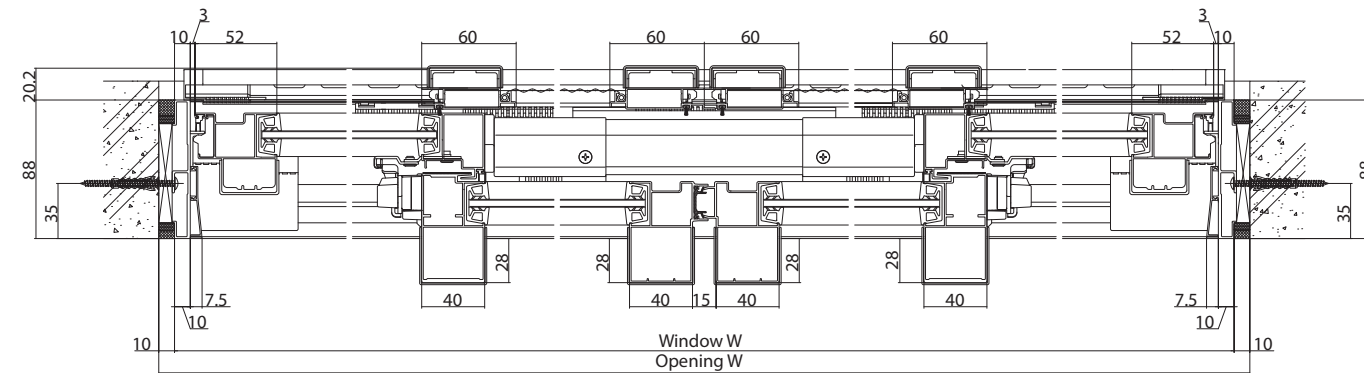
Vertical section: 2 and 4 panels
Outside screen rail option with TR-X screen



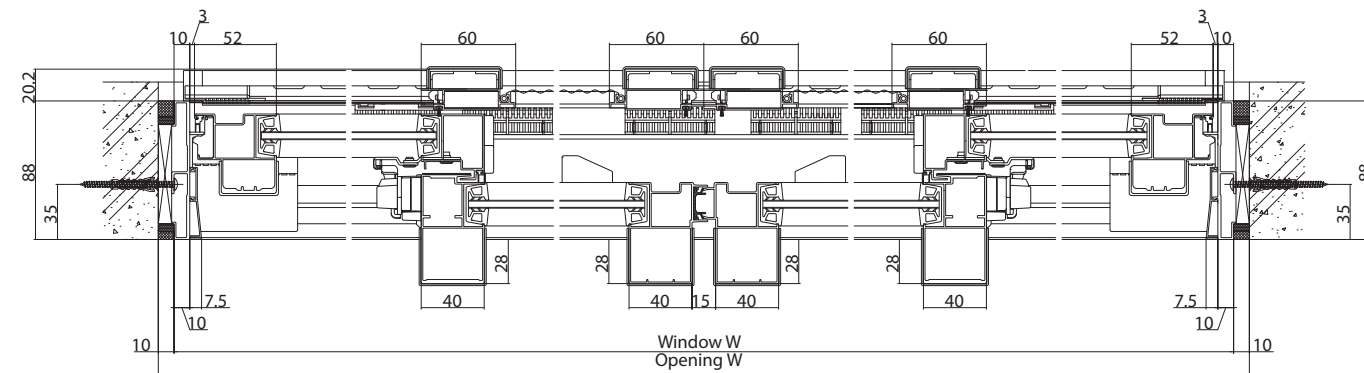
Horizontal section: 2 panels Outside screen rail option with TR-X screen



Horizontal section: Sliding (4 panels on 2 tracks) Type D with TR-X screen



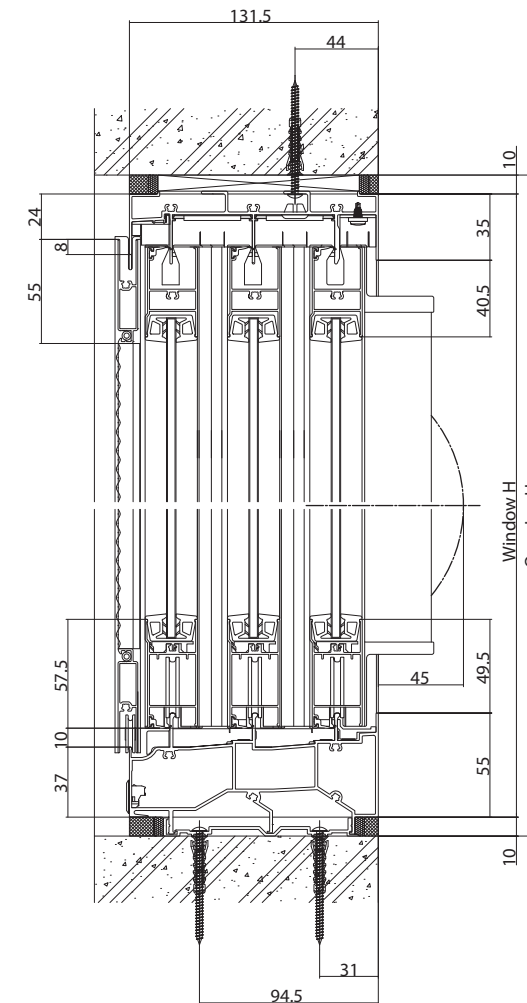
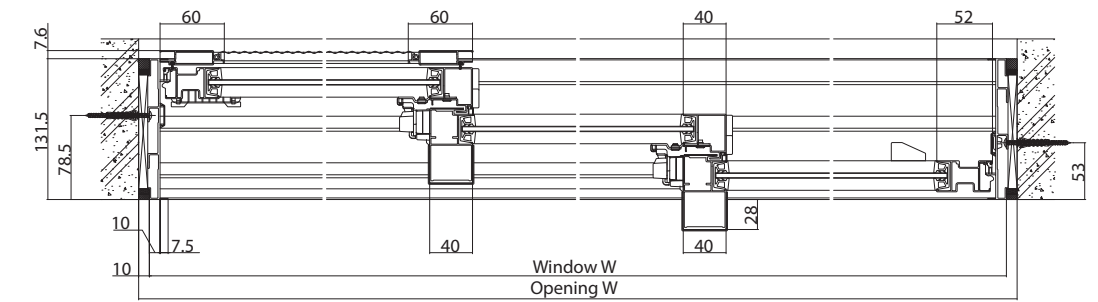
Horizontal section: 4 panels Barrier flat sill Outside option with TR-X screen



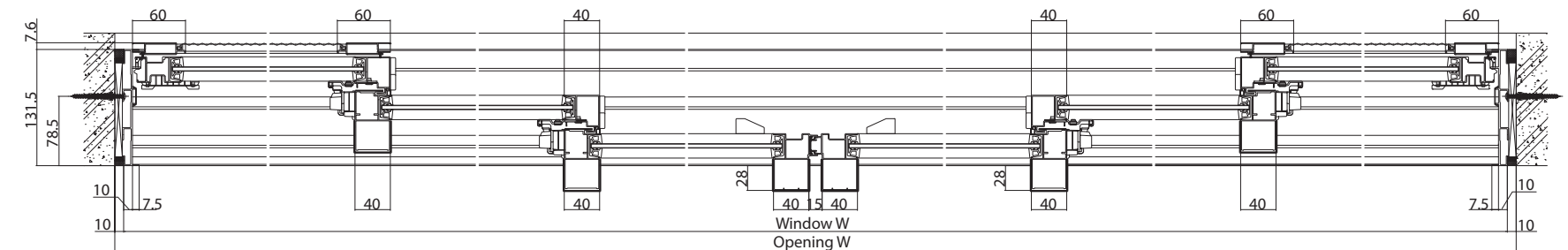
Horizontal section: 4 panels Outside screen rail option with TR-X screen

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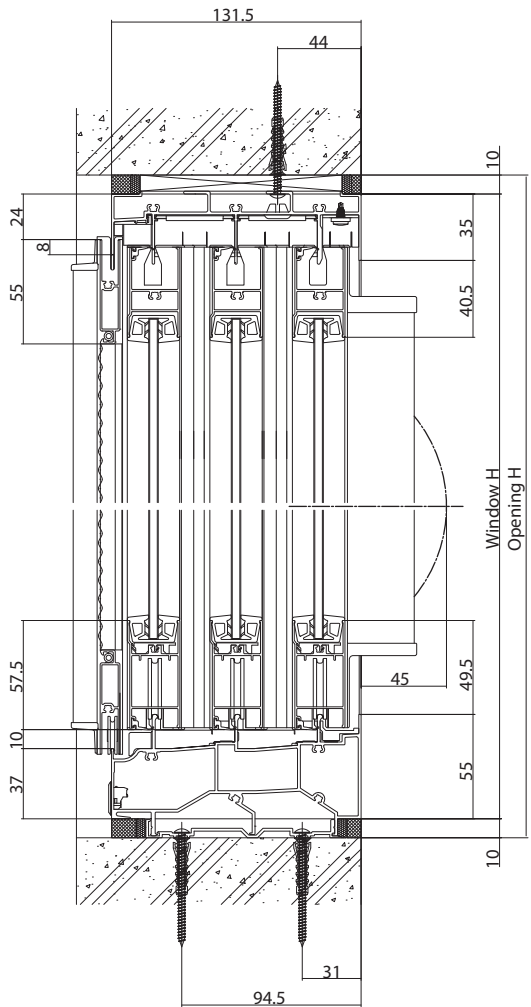
SLIDING (3P3T, 6P3T) WITH OUTSIDE INSECT SCREEN

Vertical section: Sliding (3 and 6 panels 3 tracks)
Type B with TL-X screen

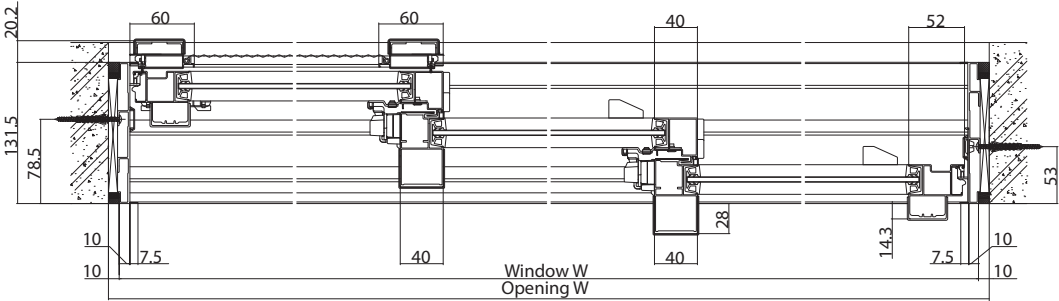
Horizontal section: Sliding (3 panels on 3 tracks) Type B with TL-X screen



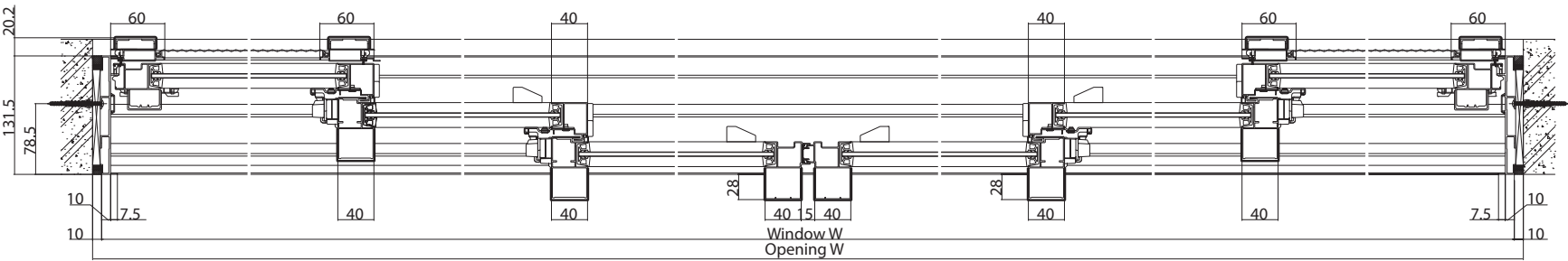
Horizontal section: Sliding (6 panels on 3 tracks) Type B with TL-X screen



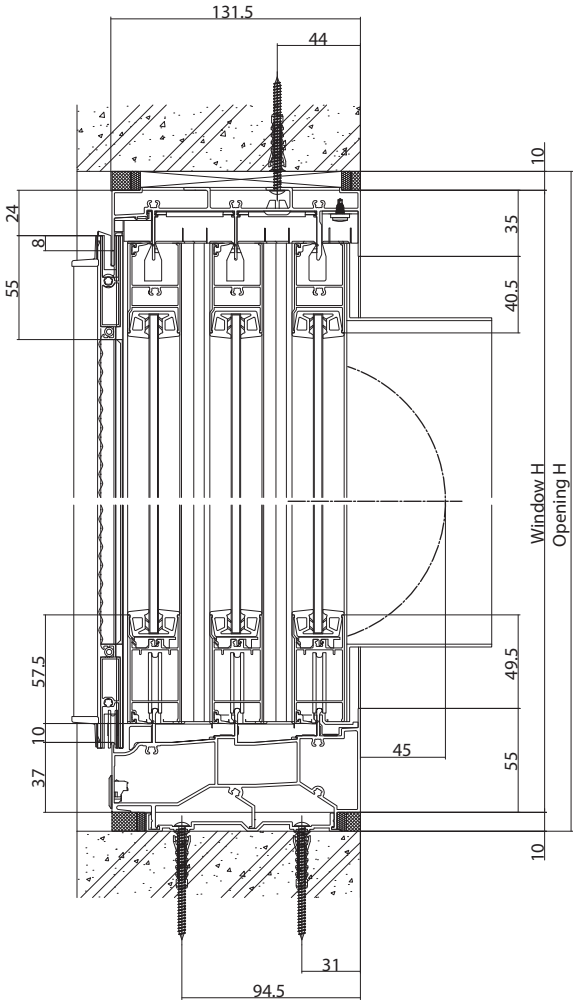
Vertical section: Sliding (3 and 6 panels 3 tracks)
Type C with TR-X screen



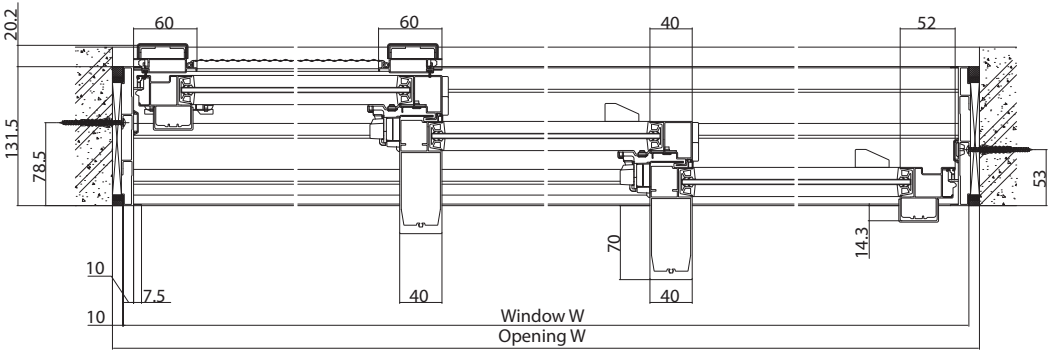
Horizontal section: Sliding (3 panels on 3 tracks) Type C with TR-X screen



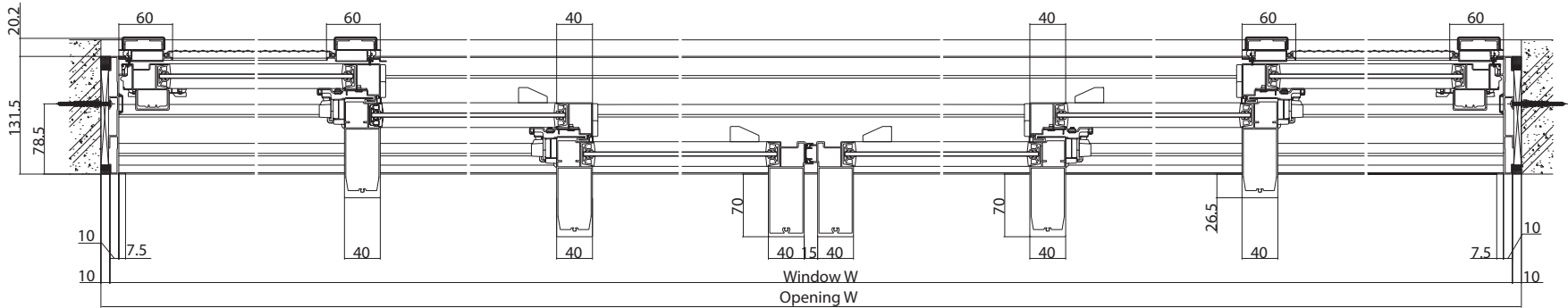
Horizontal section: Sliding (6 panels on 3 tracks) Type C with TR-X screen



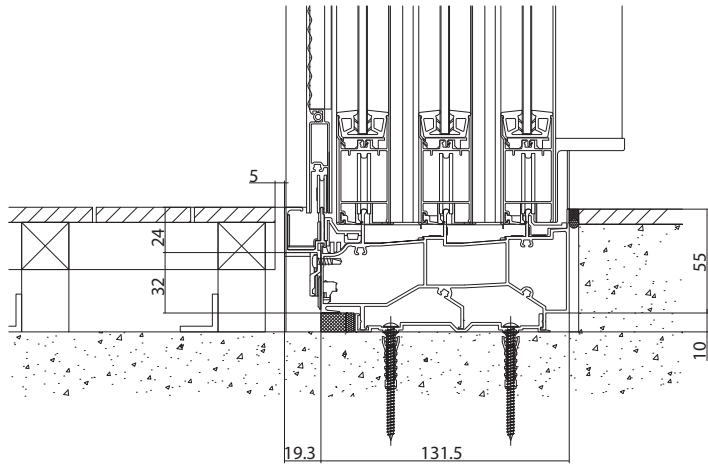
Vertical section: Sliding (3 and 6 panels 3 tracks)
Type D with TR-X screen



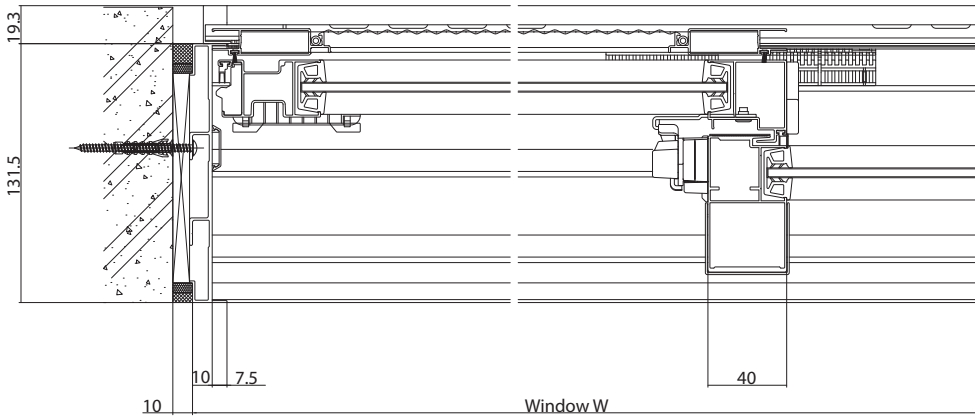
Horizontal section: Sliding (3 panels on 3 tracks) Type D with TR-X screen



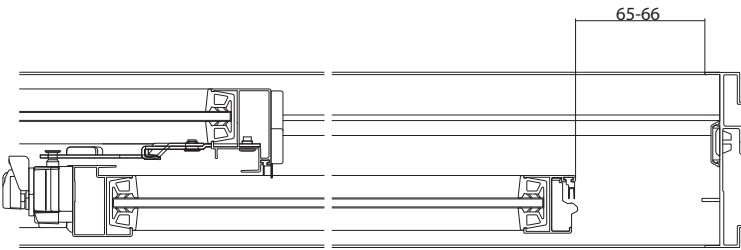
Horizontal section: Sliding (6 panels on 3 tracks) Type D with TR-X screen



Vertical section: Outside screen rail option with TL-X screen



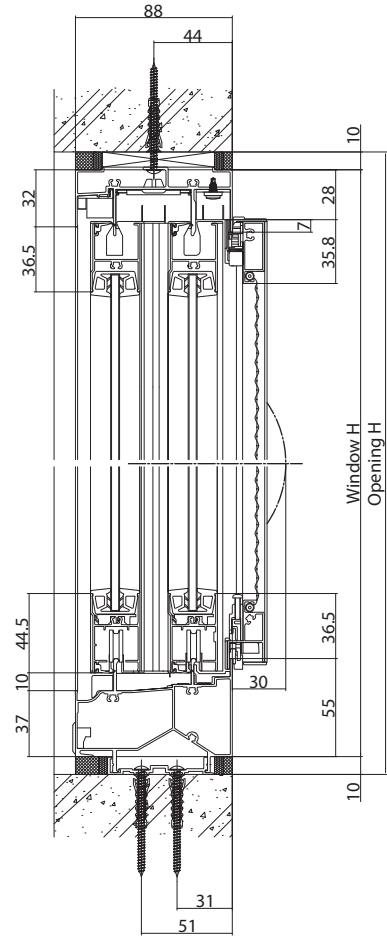
Horizontal section: Outside screen rail option with TL-X screen



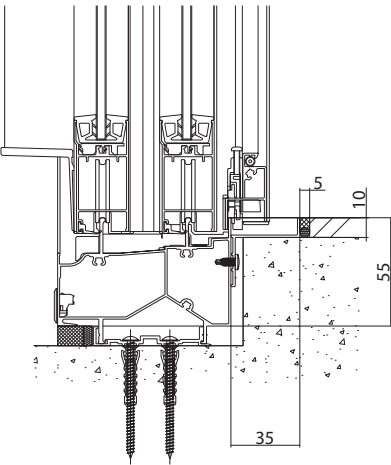
Options (limit arm) Jamb detail

ATIS

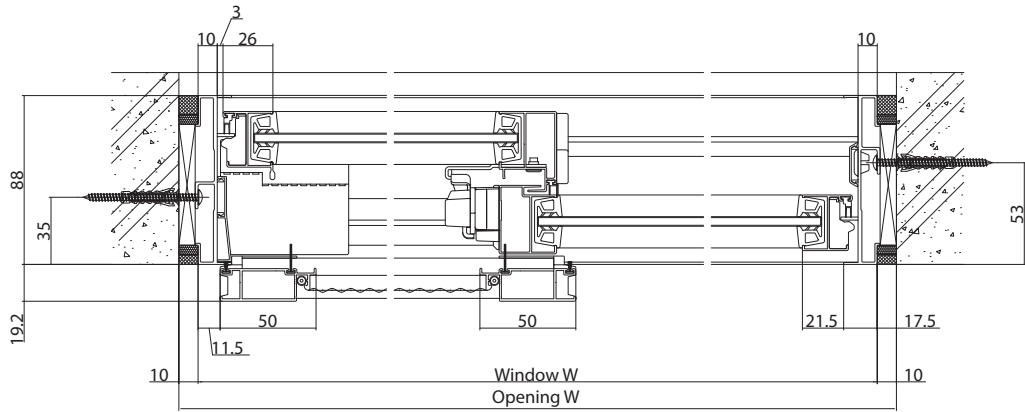
SLIDING (2P2T, 4P2T) WITH INSIDE INSECT SCREEN



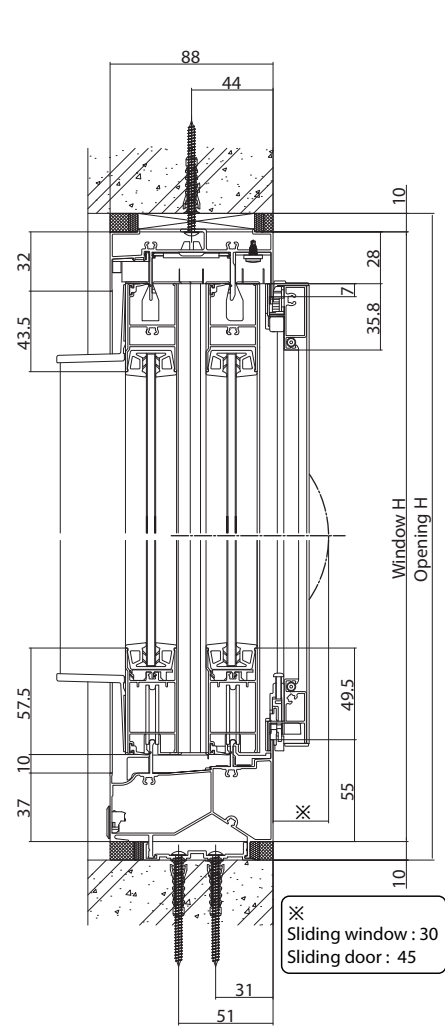
Vertical section: Sliding (2 panels on 2 tracks)
Type A with TL-N screen



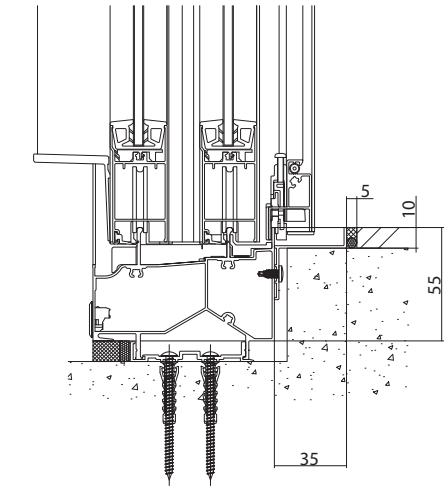
Vertical section: Sliding for floor



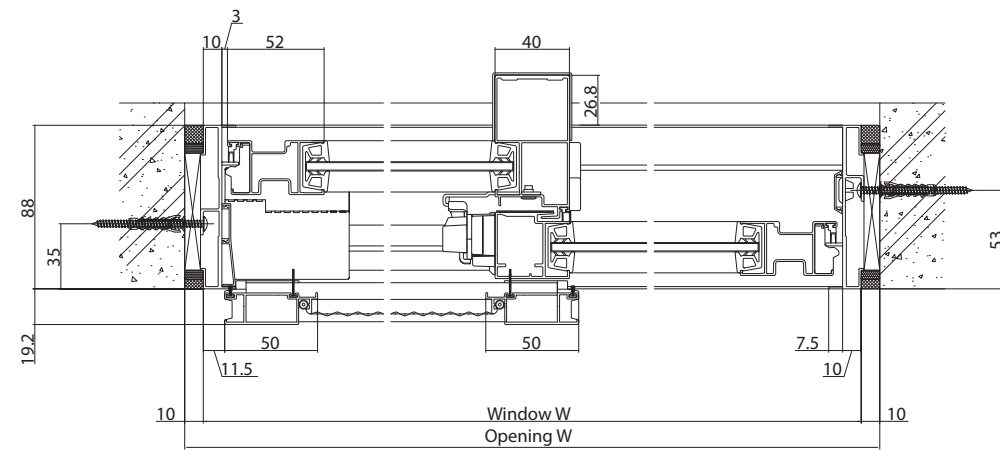
Horizontal section: Sliding (2 panels on 2 tracks) Type A with TL-N screen



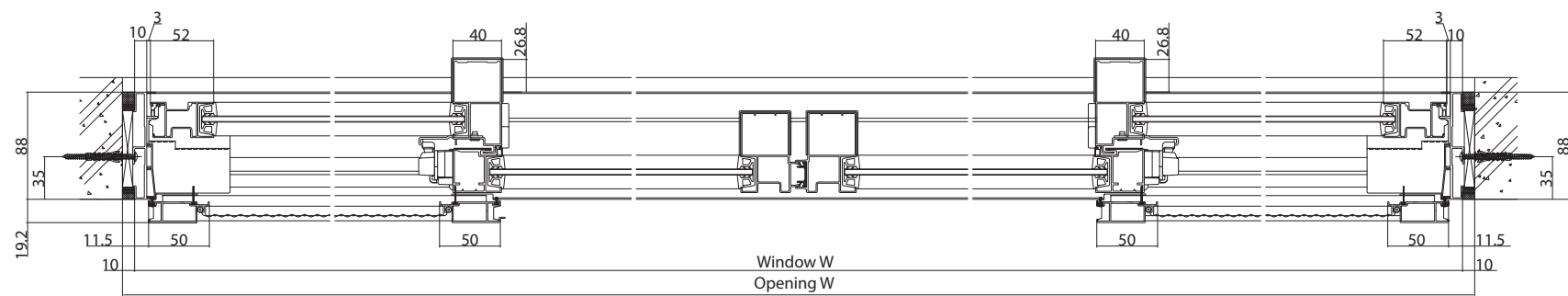
Vertical section: Sliding (2 and 4 panels on 2 tracks)
Type B with TL-N screen



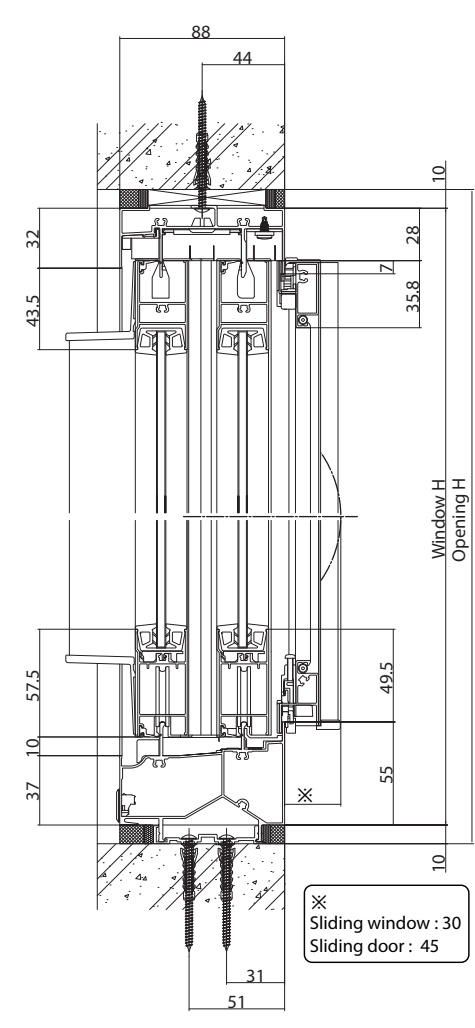
Vertical section: Sliding for floor



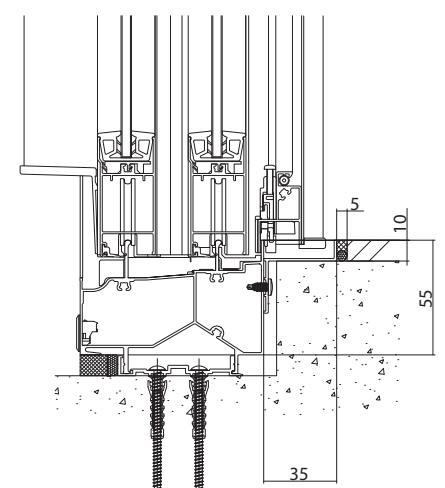
Horizontal section: Sliding (2 panels on 2 tracks) Type B with TL-N screen



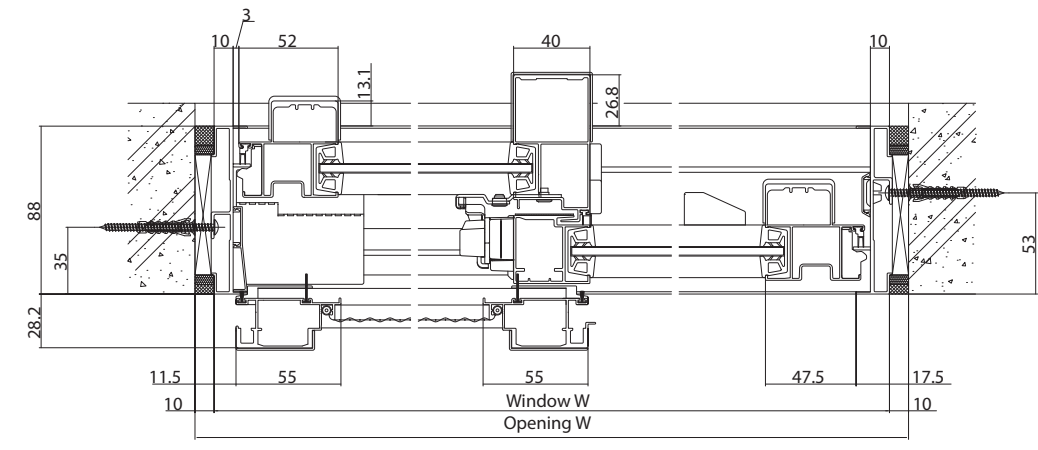
Horizontal section: Sliding (4 panels on 2 tracks) Type B with TL-N screen



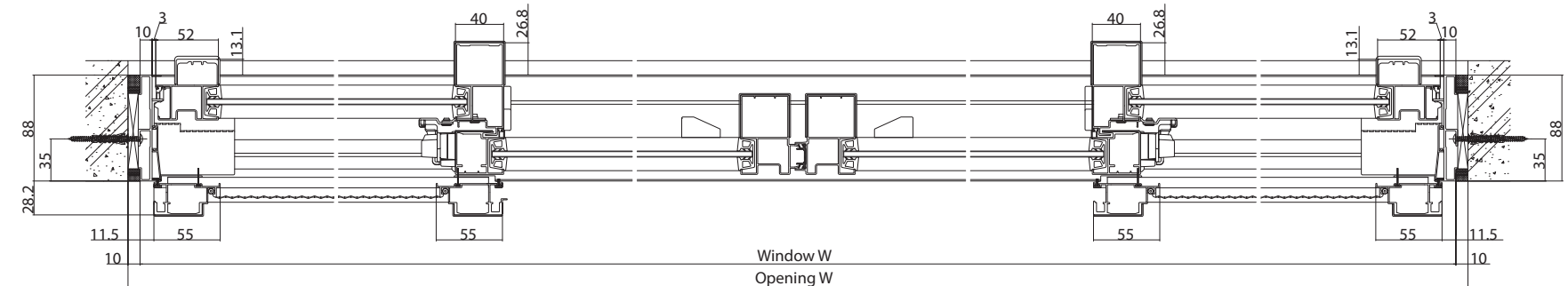
Vertical section: Sliding (2 and 4 panels on 2 tracks)
Type C with TR-N screen



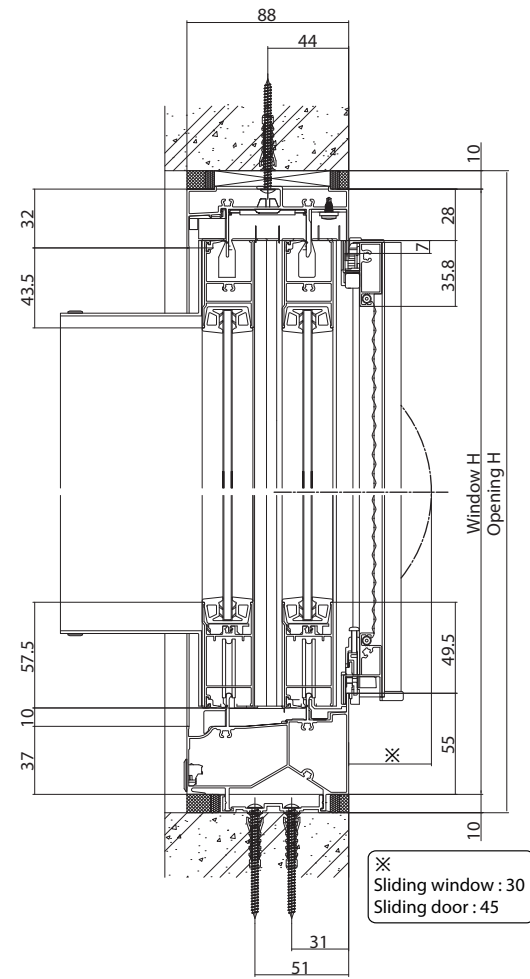
Vertical section: Sliding for floor



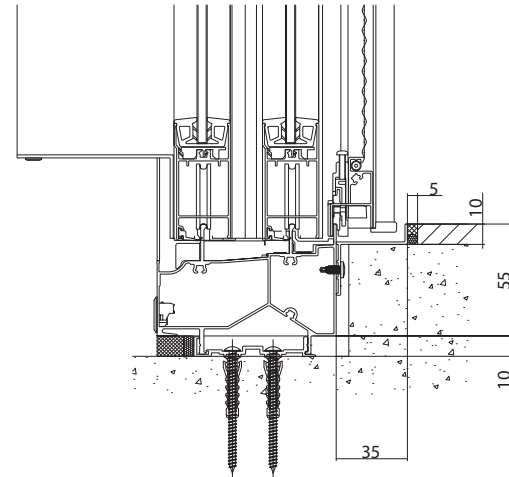
Horizontal section: Sliding (2 panels on 2 tracks) Type C with TR-N screen



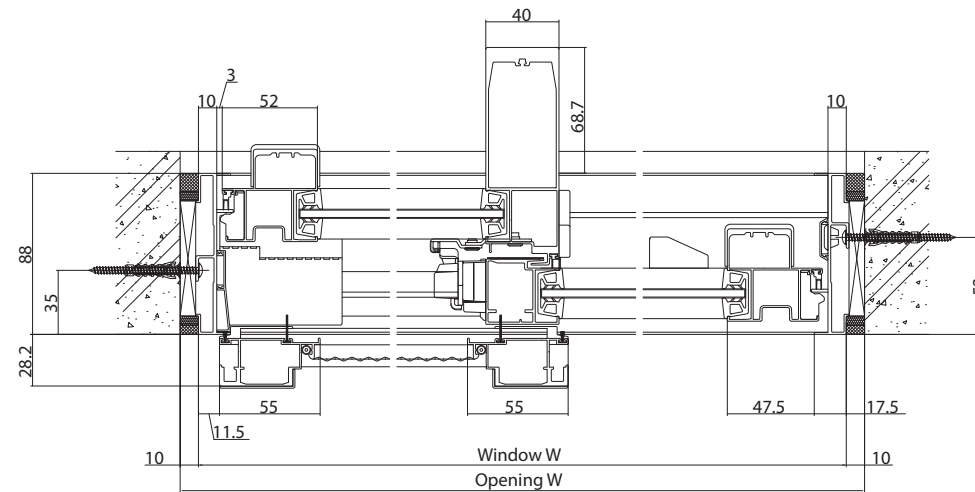
Horizontal section: Sliding (4 panels on 2 tracks) Type C with TR-N screen



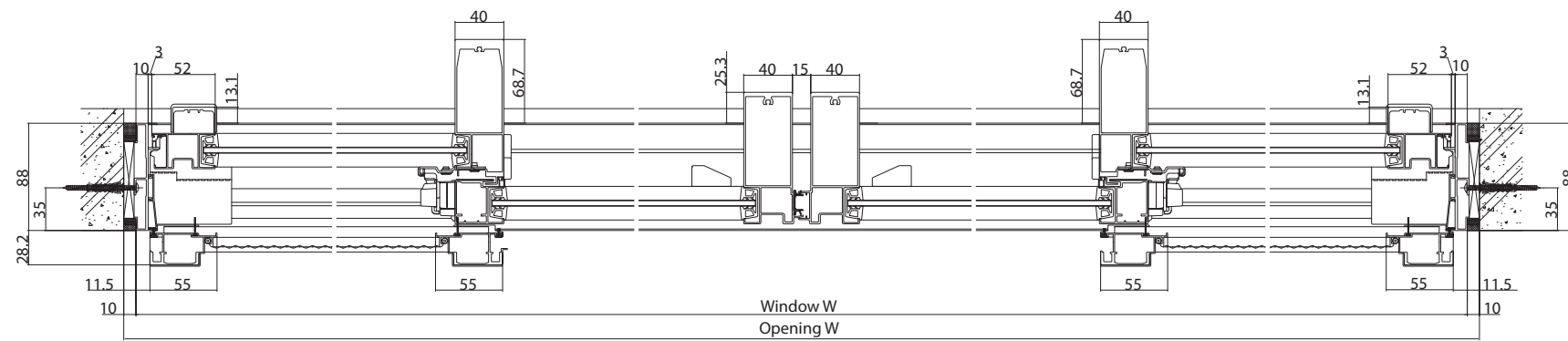
Vertical section: Sliding (2 and 4 panels on 2 tracks)
Type D with TR-N screen



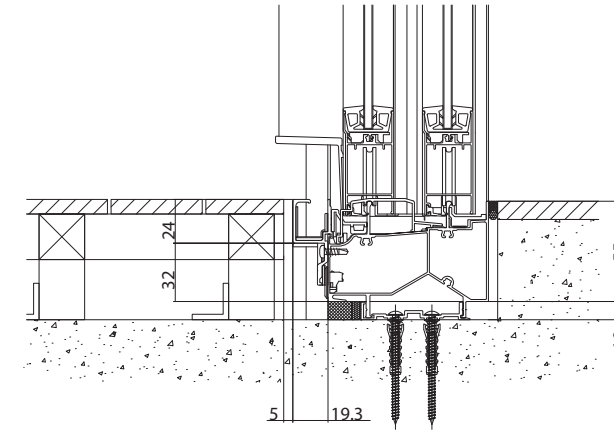
Vertical section: Sliding for floor



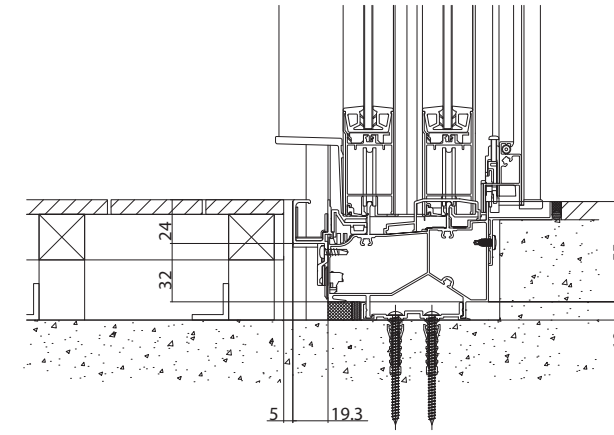
Horizontal section: Sliding (2 panels on 2 tracks) Type D with TR-N screen



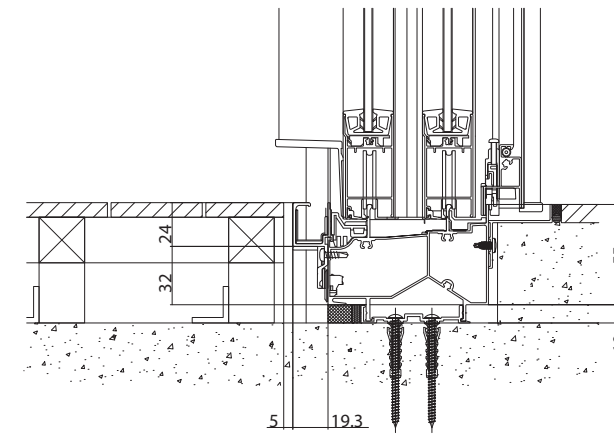
Horizontal section: Sliding (4 panels on 2 tracks) Type D with TR-N screen



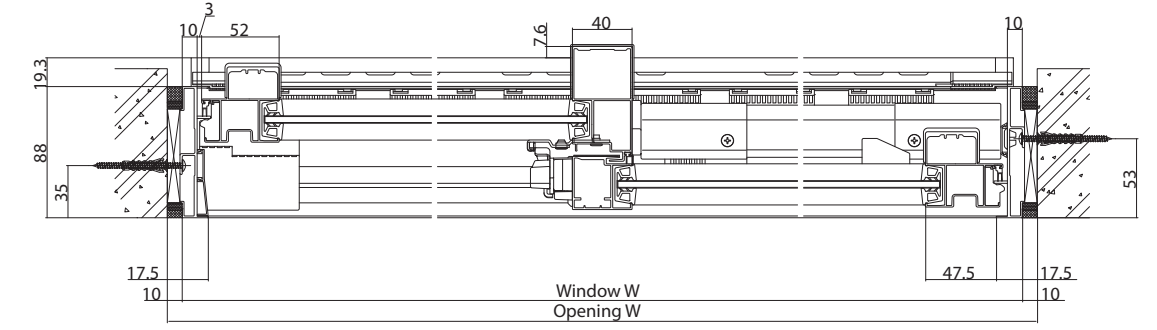
Vertical section: 2 and 4 panels
Barrier flat sill Outside option



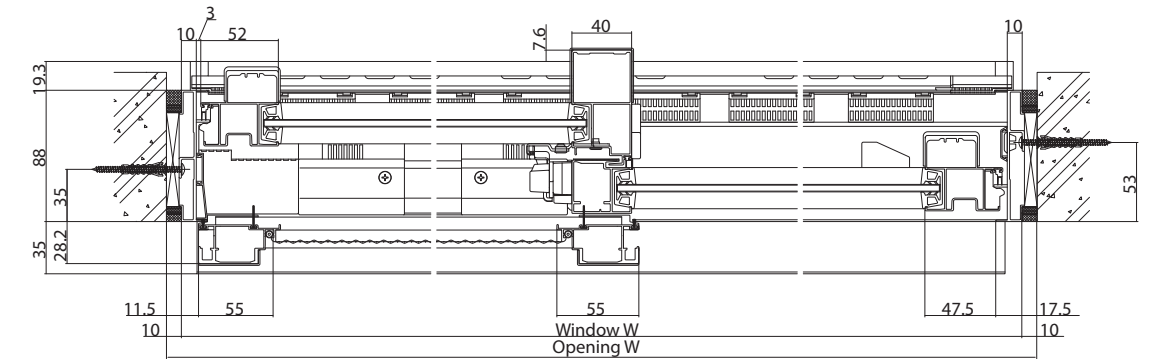
Vertical section: 2 and 4 panels
Barrier flat sill Inside option with TR-N screen



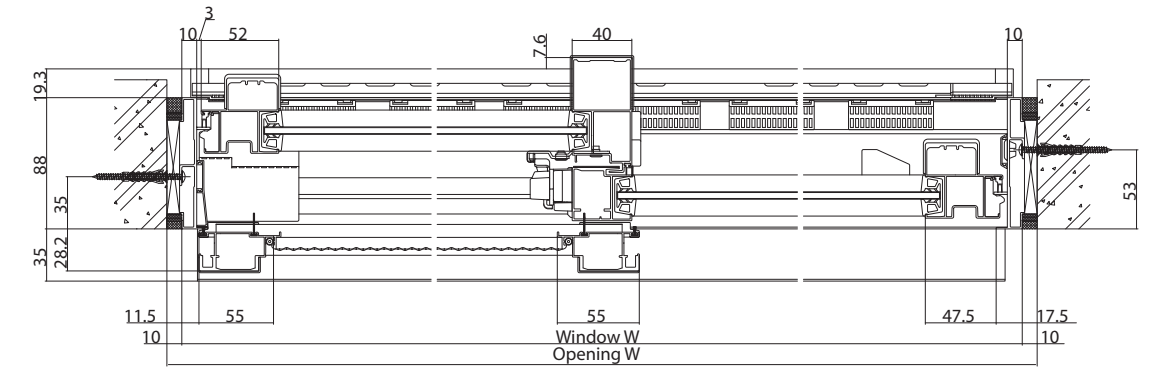
Vertical section: 2 and 4 panels
Outside screen rail option with TR-N screen



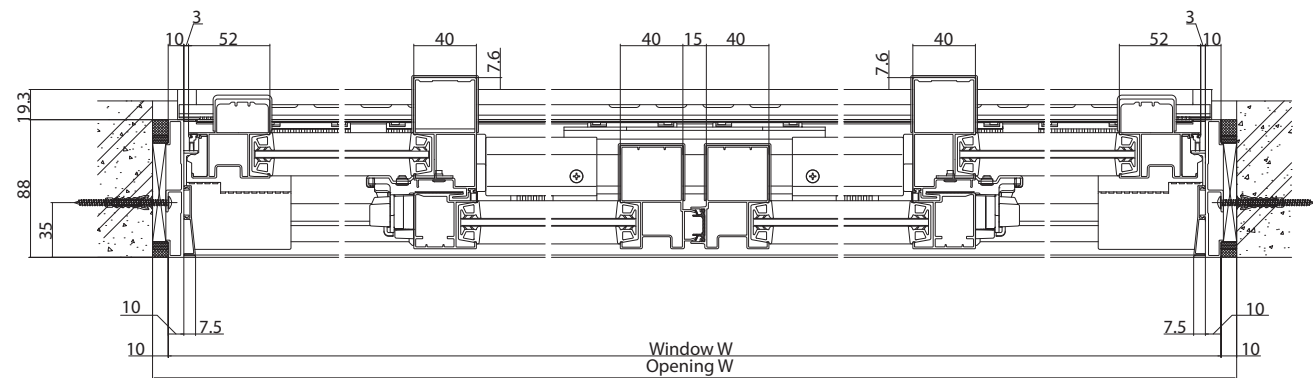
Horizontal section: 2 panels Barrier flat sill Outside option



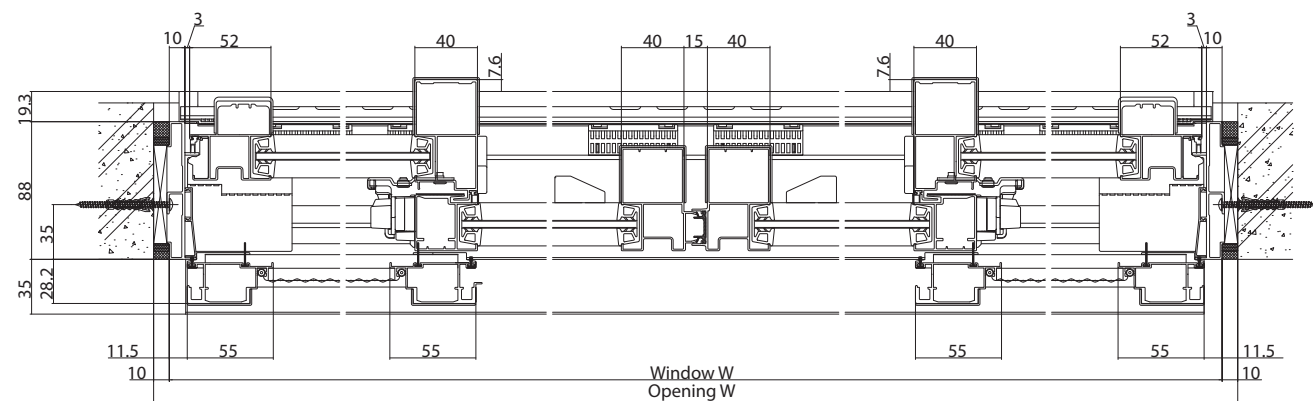
Horizontal section: 2 panels Barrier flat sill Inside option with TR-N screen



Horizontal section: 2 panels Outside screen rail option with TR-N screen



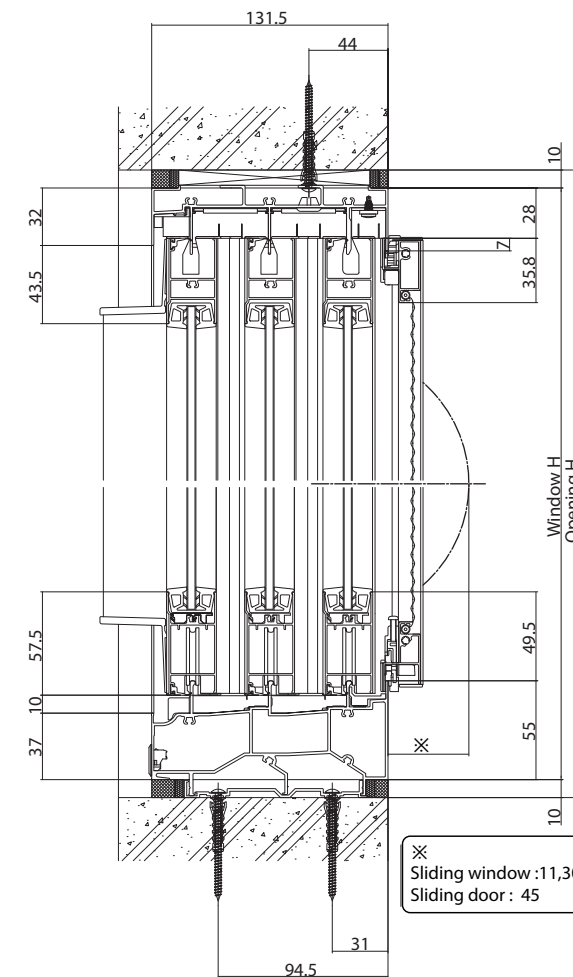
Horizontal section: 4 panels Barrier flat sill Outside option



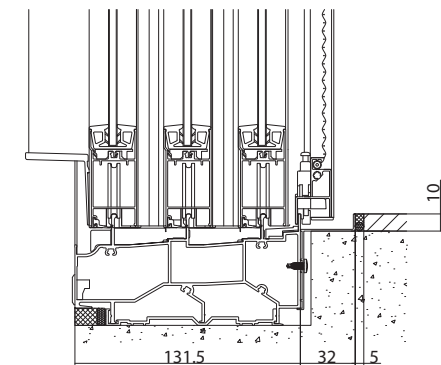
Horizontal section: 4 panels Outside screen rail option with TR-N screen

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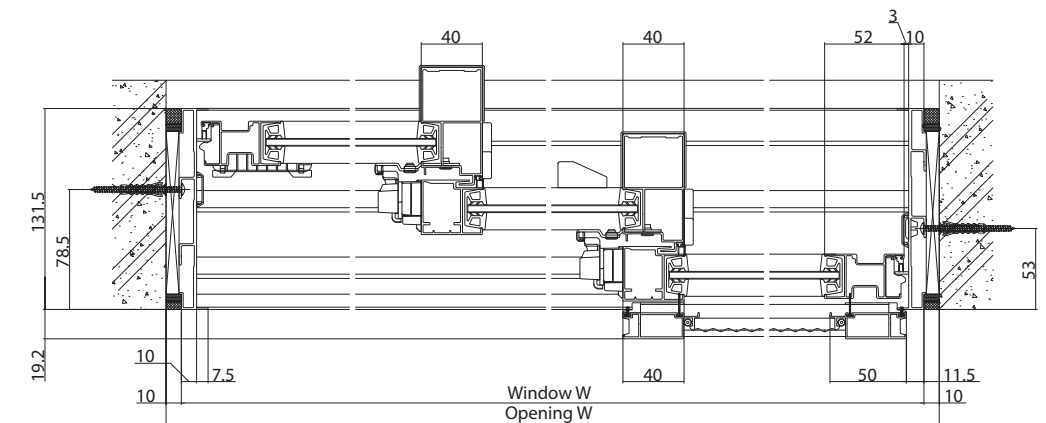
SLIDING (3P3T, 6P3T) WITH INSIDE INSECT SCREEN



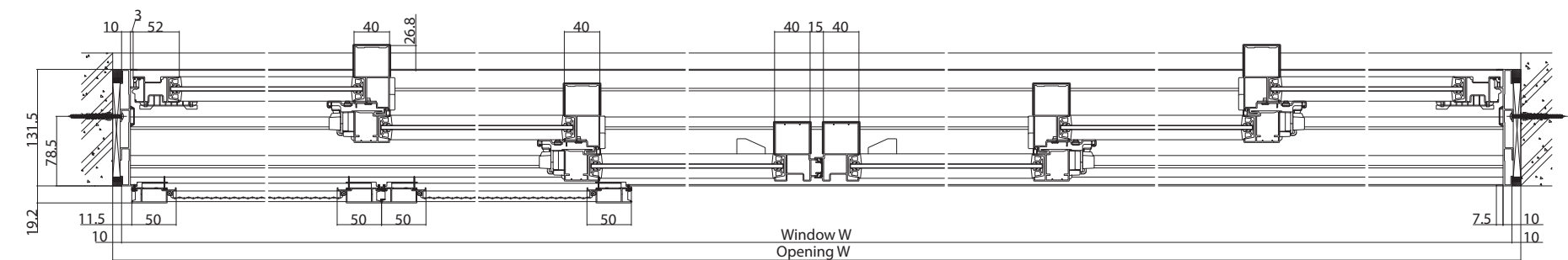
Vertical section: Sliding (3 and 6 panels on 3 tracks)
Type B with TL-N screen



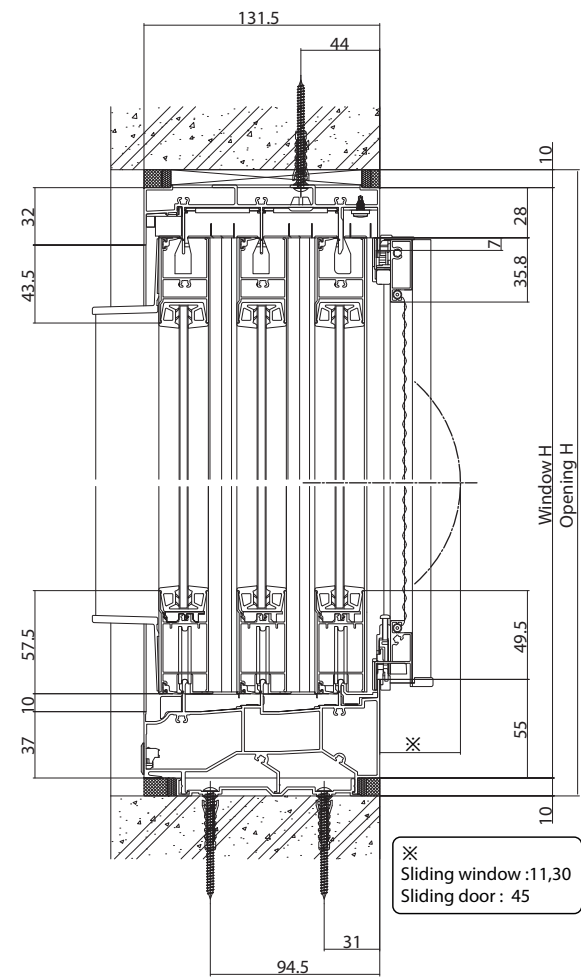
Vertical section: Sliding for floor



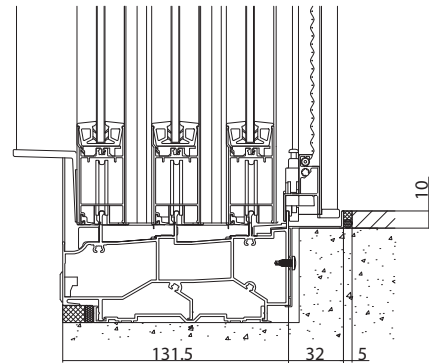
Horizontal section: Sliding (3 panels on 3 tracks) Type B with TL-N screen



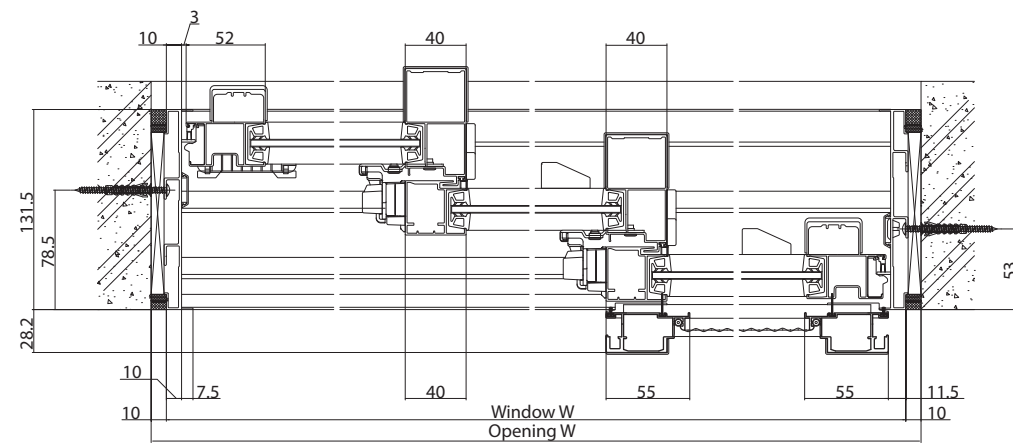
Horizontal section: Sliding (6 panels on 3 tracks) Type B with TL-N screen



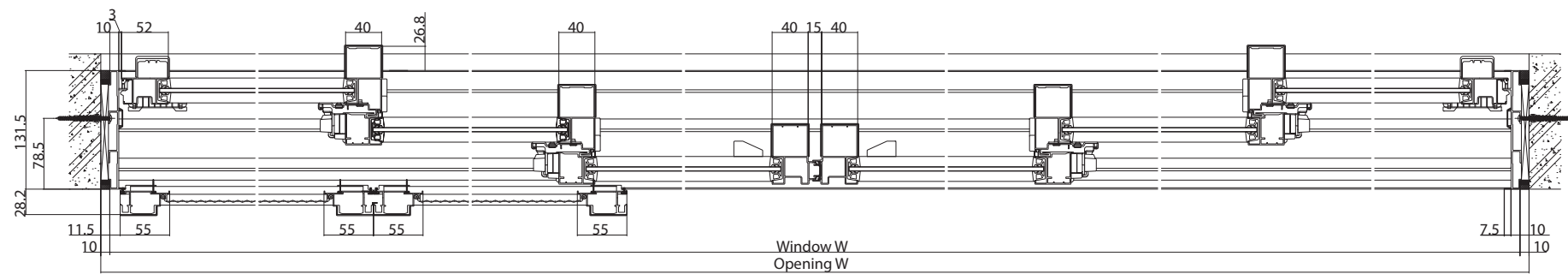
Vertical section: Sliding (3 and 6 panels on 3 tracks)
Type C with TR-N screen



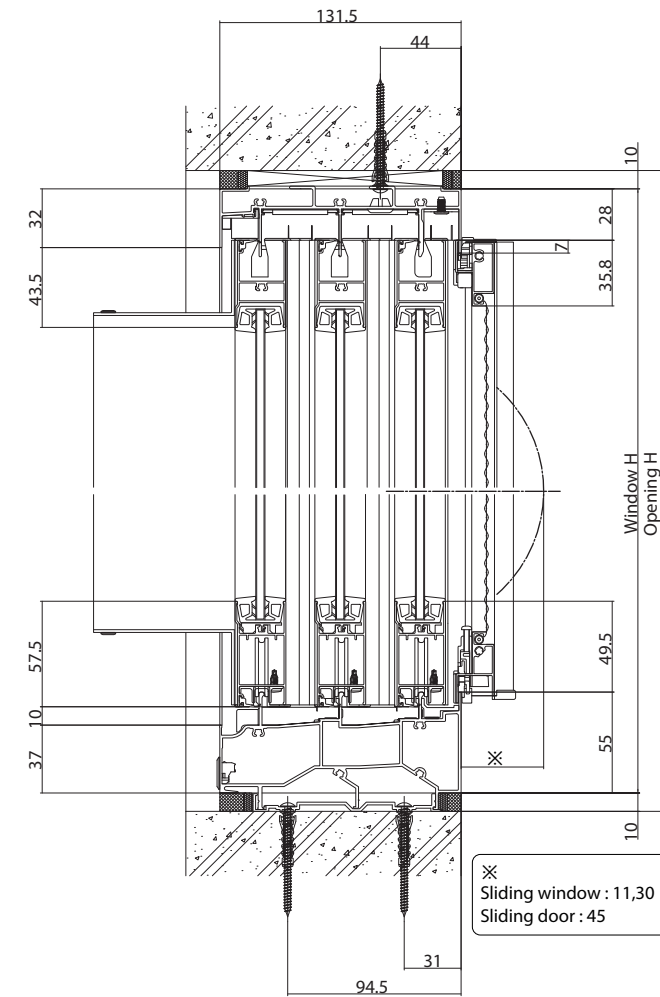
Vertical section: Sliding for floor



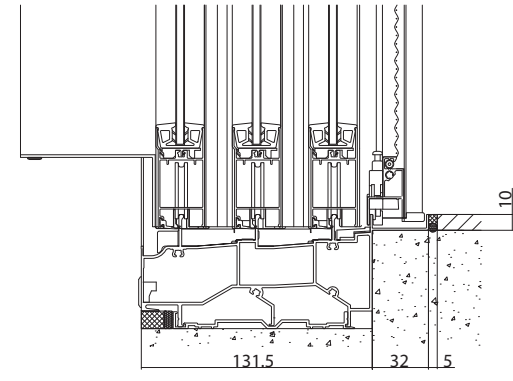
Horizontal section: Sliding (3 panels on 3 tracks) Type C with TR-N screen



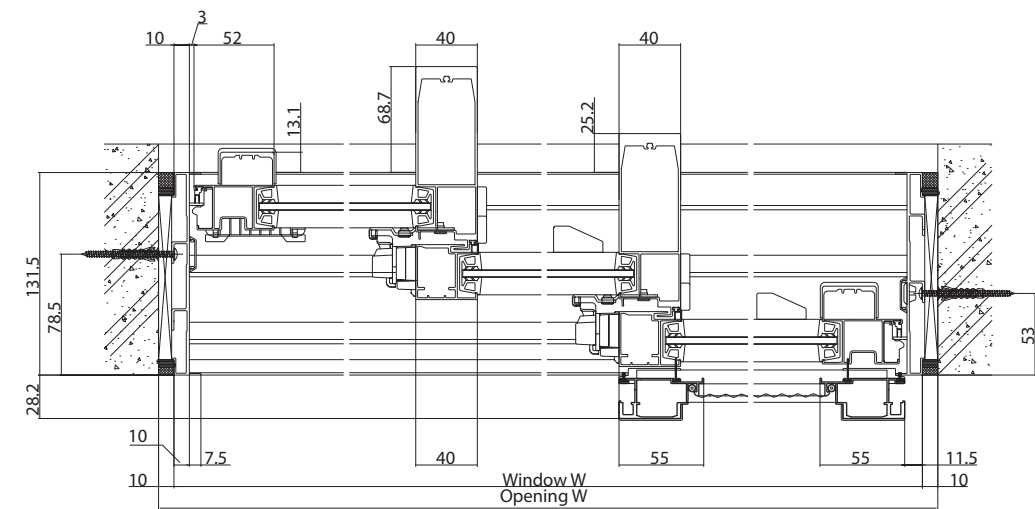
Horizontal section: Sliding (6 panels on 3 tracks) Type C with TR-N screen



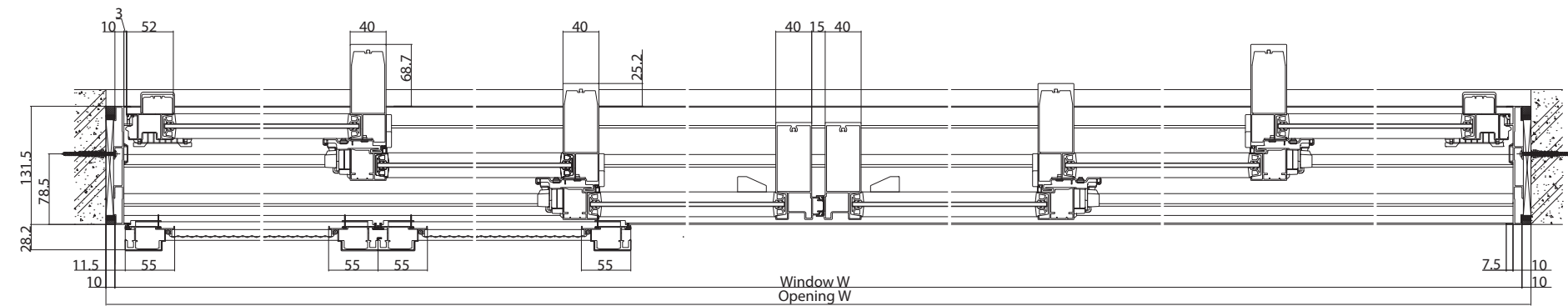
Vertical section: Sliding (3 and 6 panels on 3 tracks)
Type D with TR-N screen



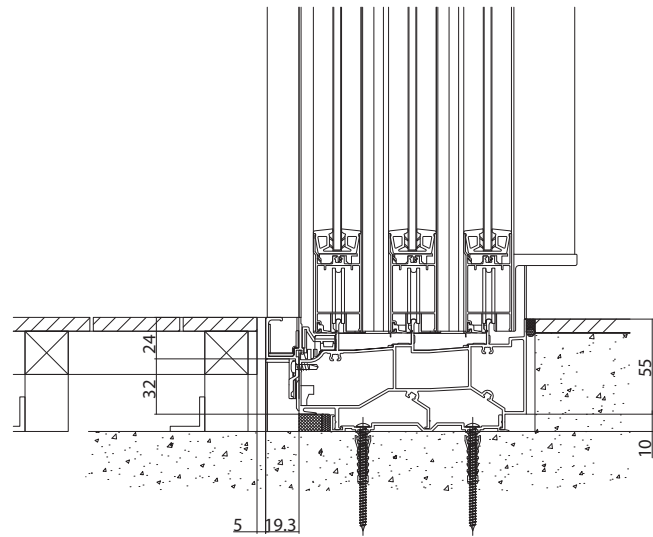
Vertical section: Sliding for floor



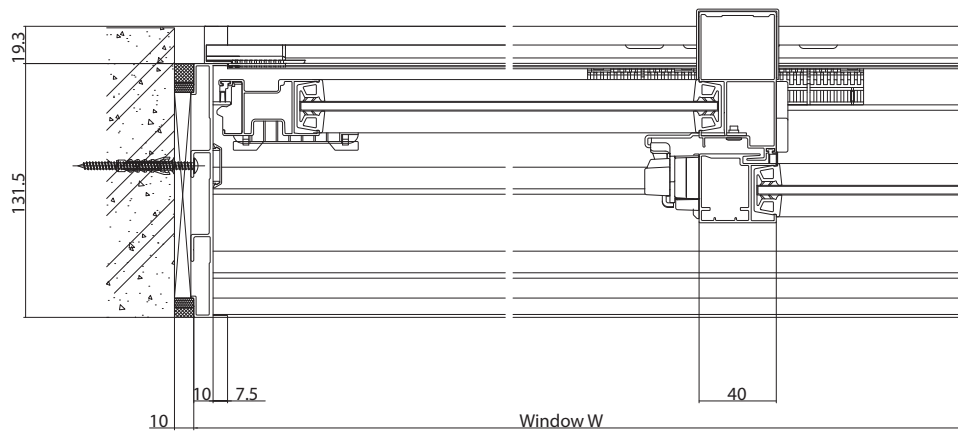
Horizontal section: Sliding (3 panels on 3 tracks) Type D with TR-N screen



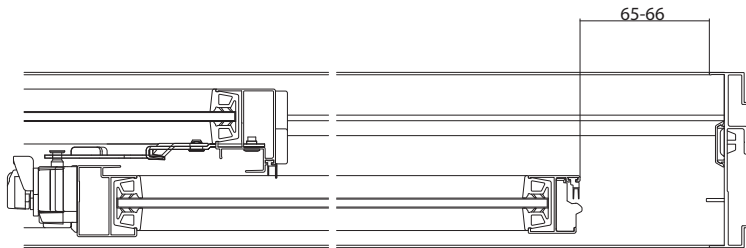
Horizontal section: Sliding (6 panels on 3 tracks) Type D with TR-N screen



Vertical section: Outside rail option



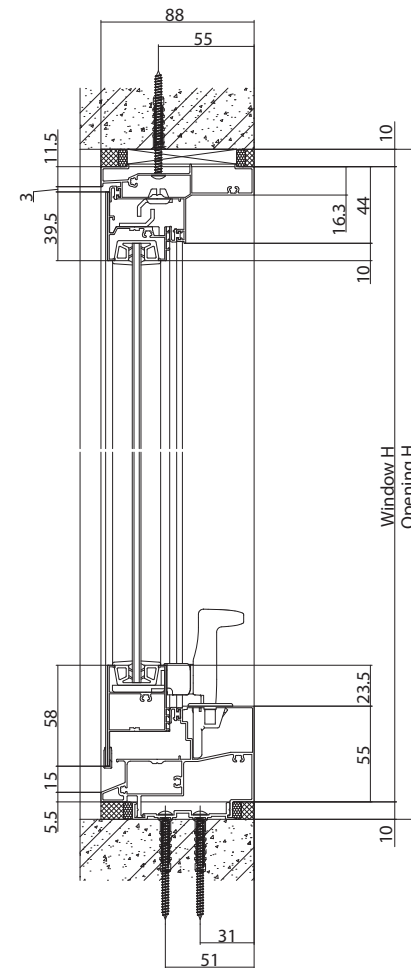
Horizontal section: Outside rail option



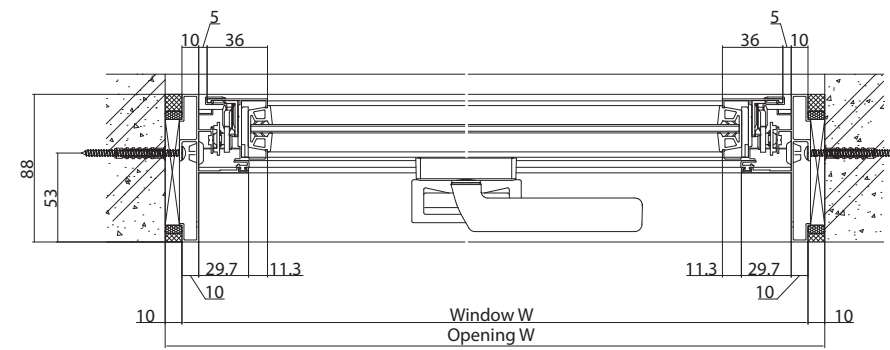
Options (limit arm) Jamb detail

ATIS

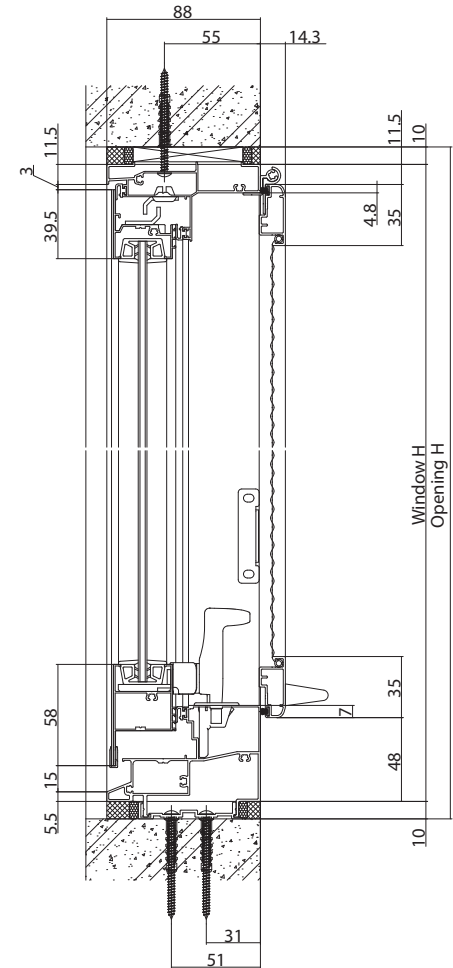
AWNING WINDOW



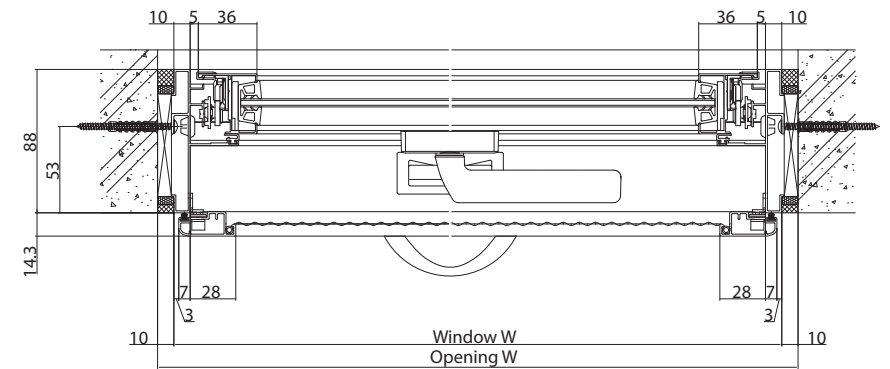
Vertical section: Awning window (Single lock)



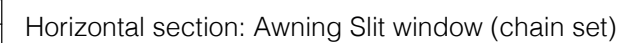
Horizontal section: Awning window (Single lock)



Vertical section: Awning window with screen

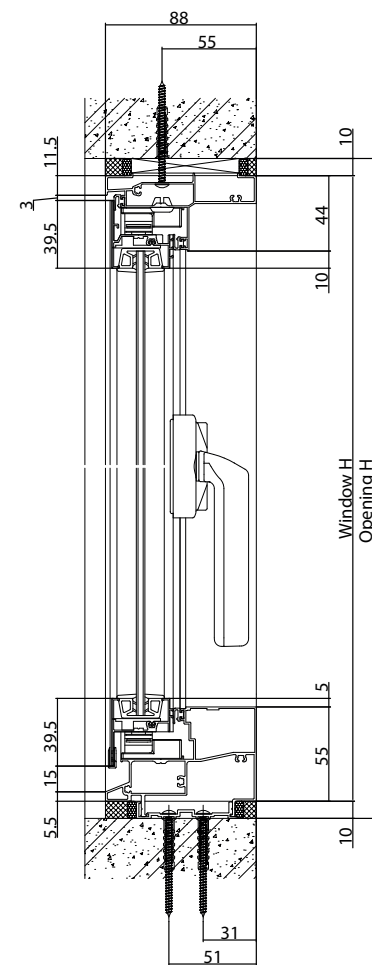


Horizontal section: Awning window with screen

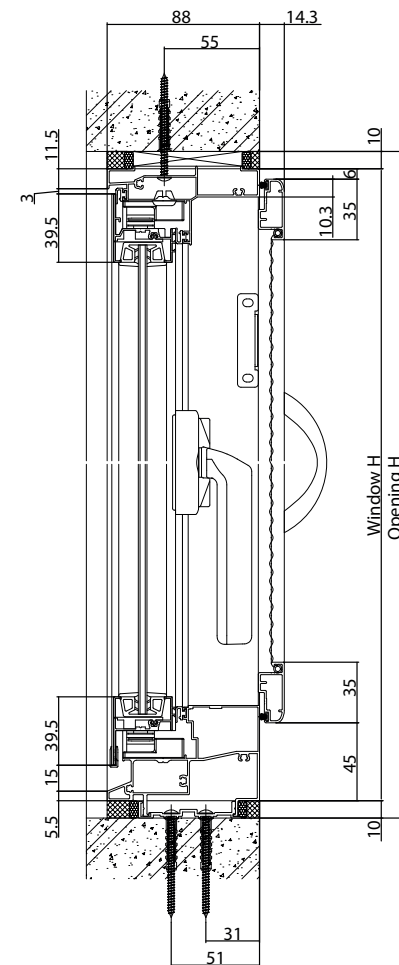


ATIS

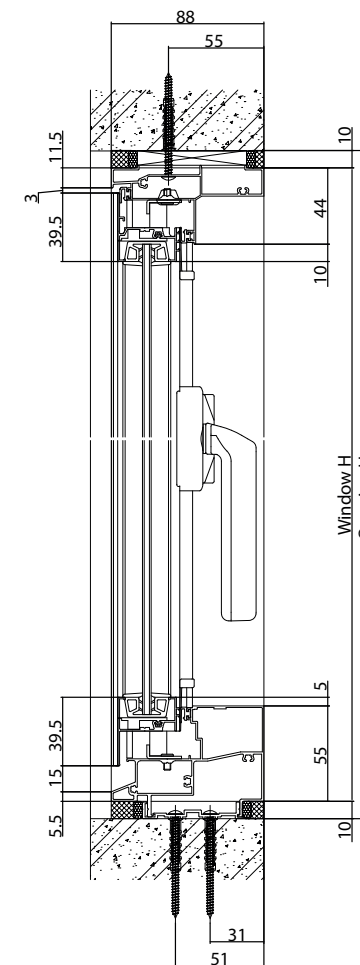
CASEMENT WINDOW



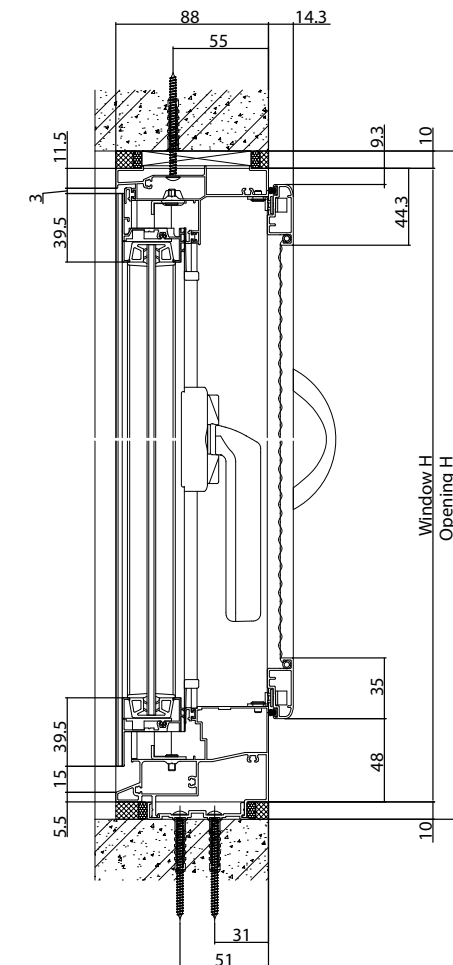
Vertical section: Casement window (Single lock)



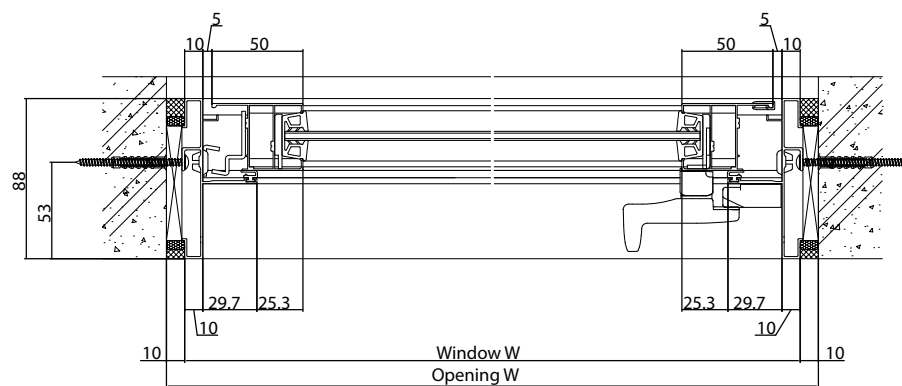
Vertical section: Casement window with screen



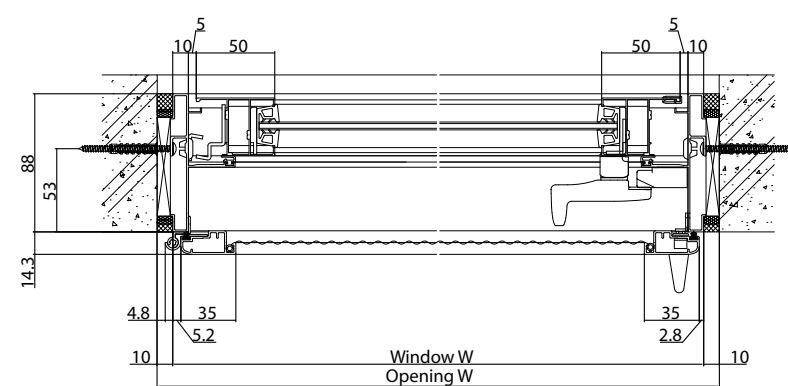
Vertical section: Double Casement window



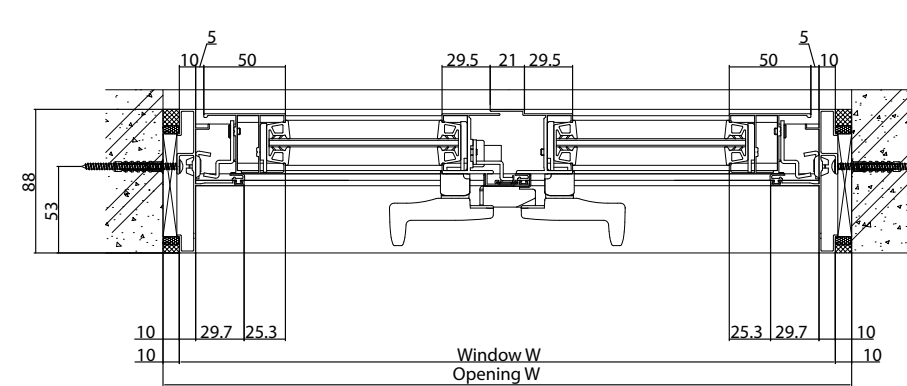
Vertical section: Double Casement window with screen



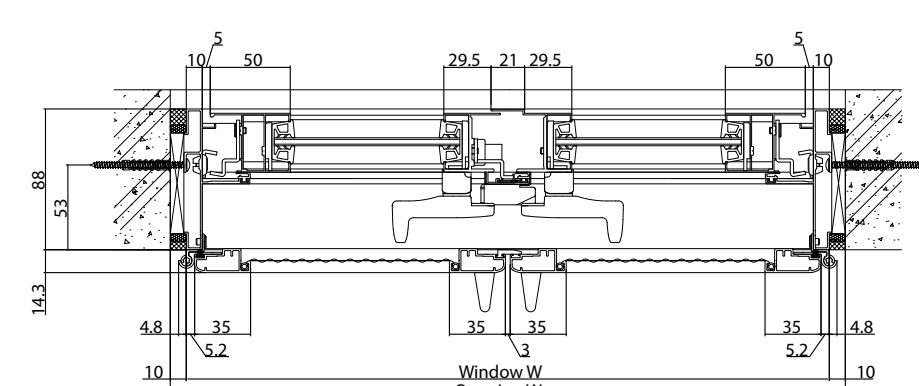
Horizontal section: Casement window (Single lock)



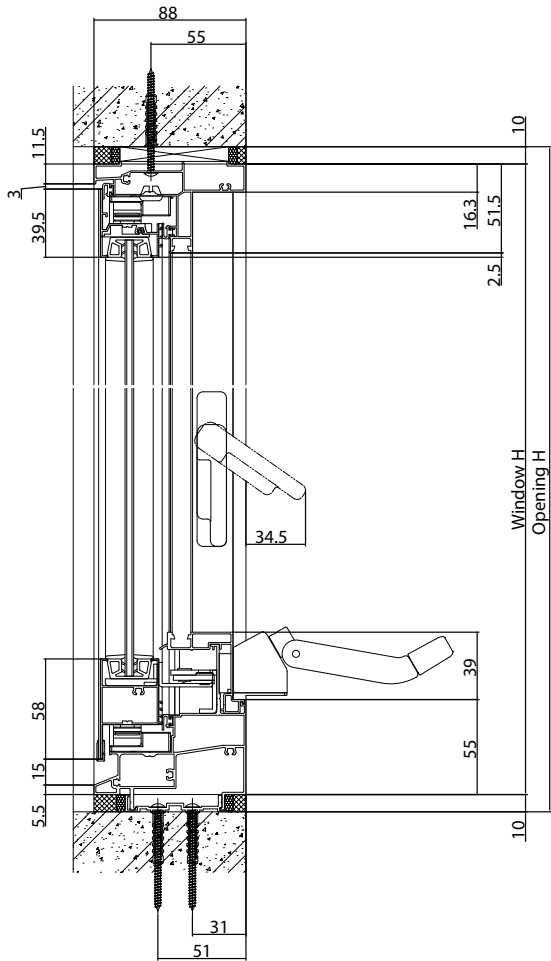
Horizontal section: Casement window with screen



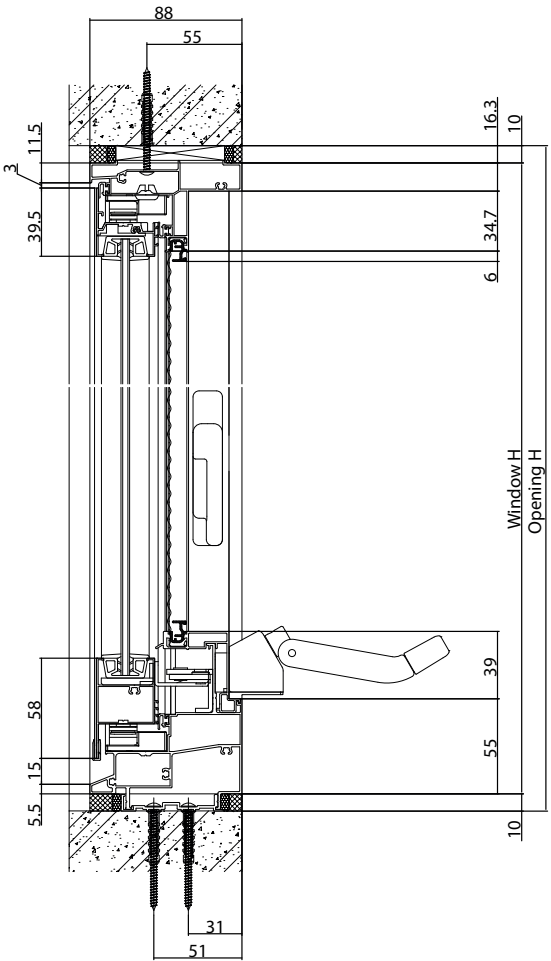
Horizontal section: Double Casement window



Horizontal section: Double Casement window with screen



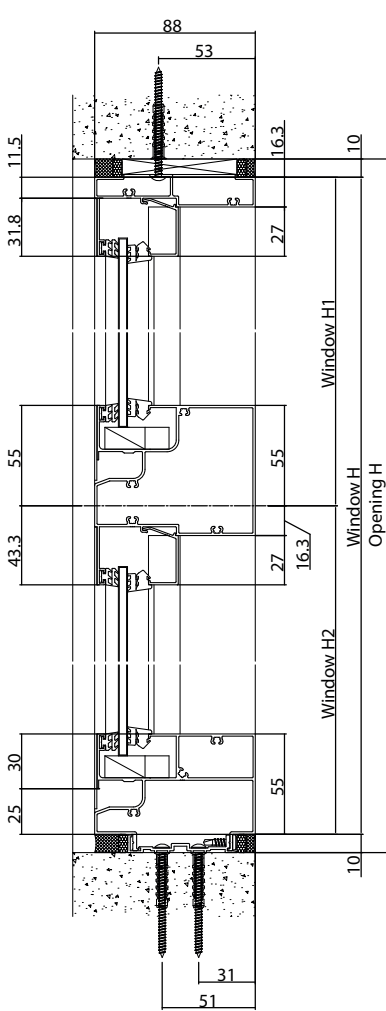
Vertical section: Casement operator window



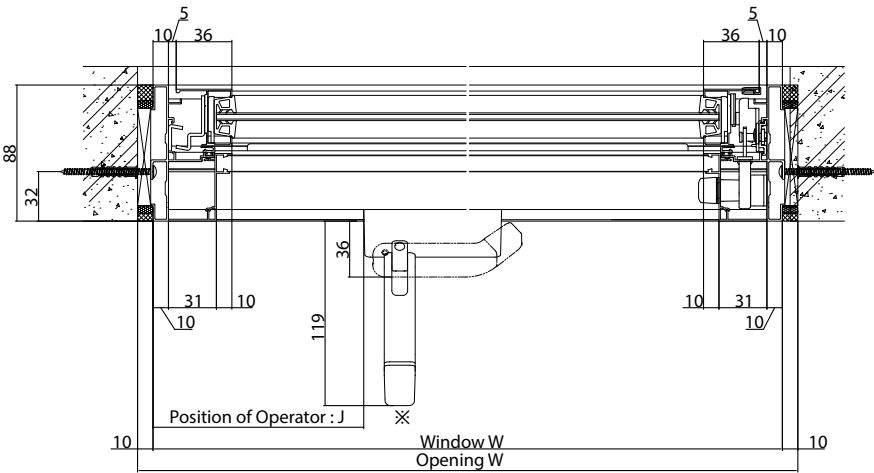
Vertical section: Casement operator window with screen



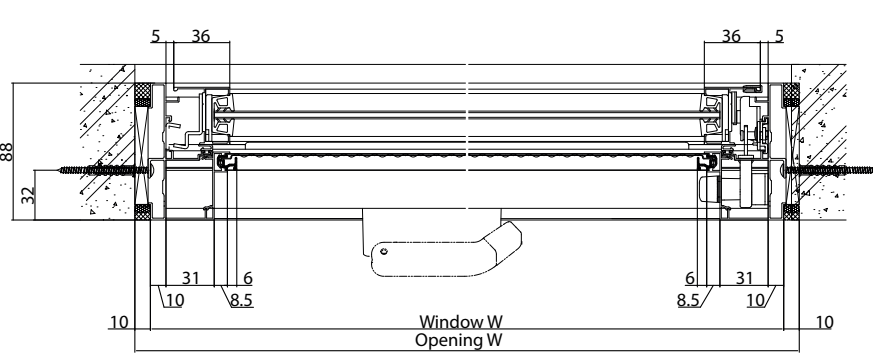
Vertical section: Single fixed window



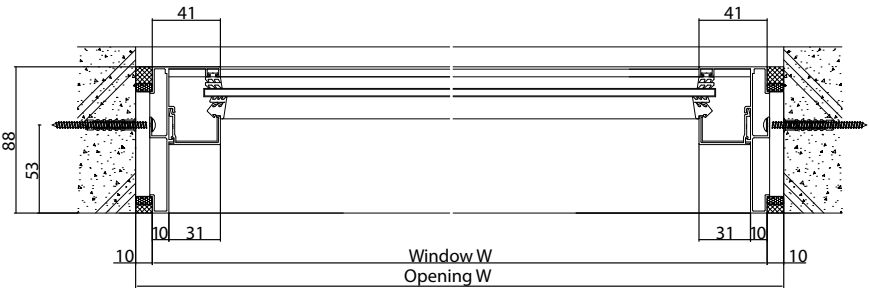
Vertical section: Fixed window with transom



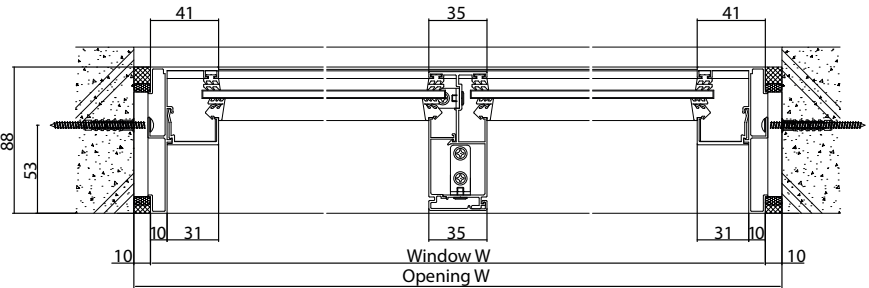
Horizontal section: Casement operator window



Horizontal section: Casement operator window with screen



Horizontal section: Single fixed window



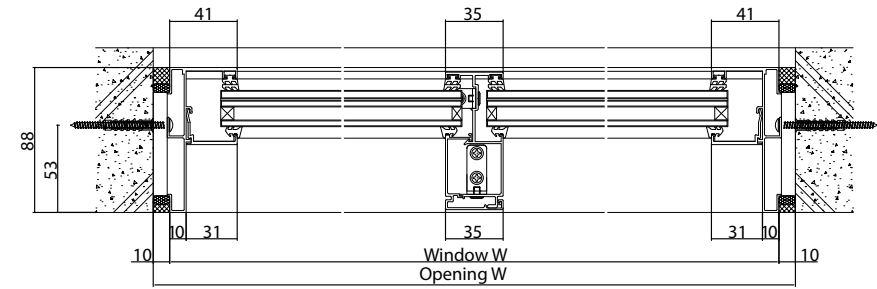
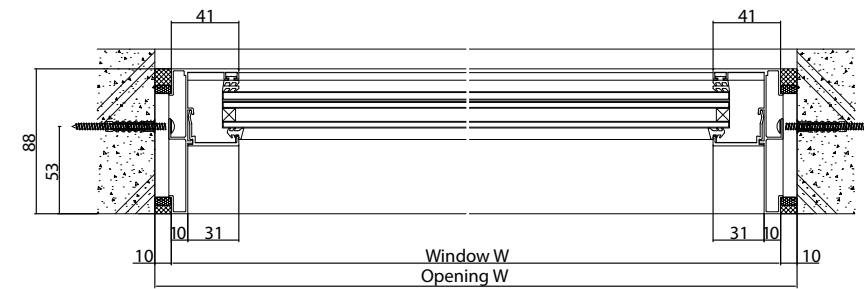
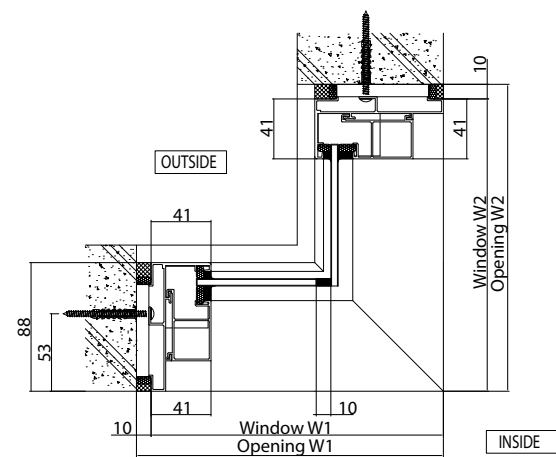
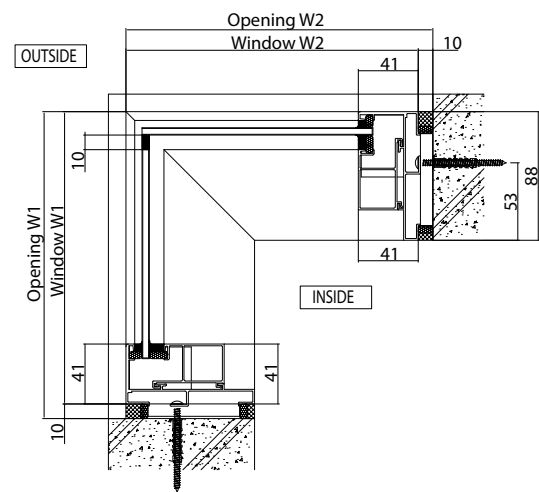
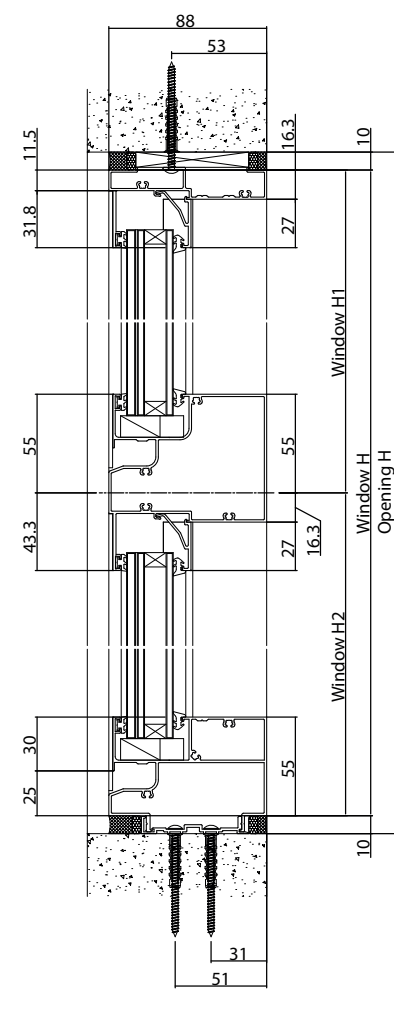
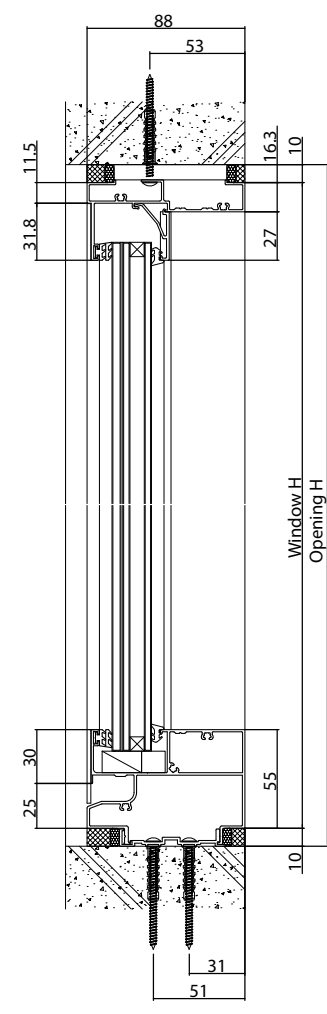
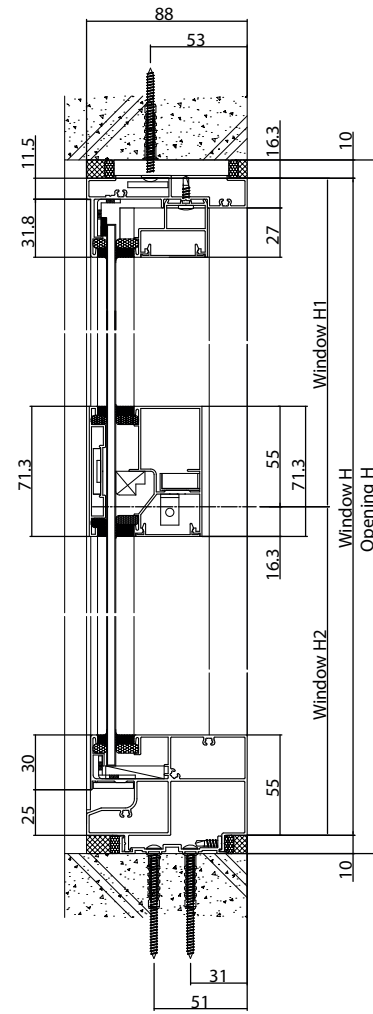
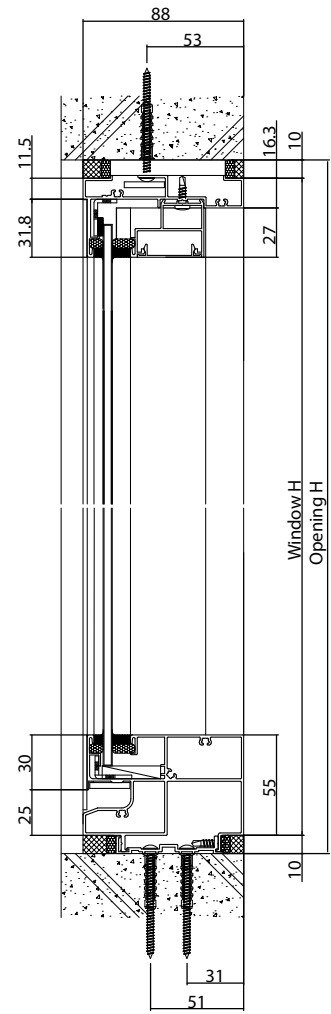
Horizontal section: Fixed window with mullion

※ In case of R type Position of Operator : J

W	J
W < 418	113
418 ≤ W	179

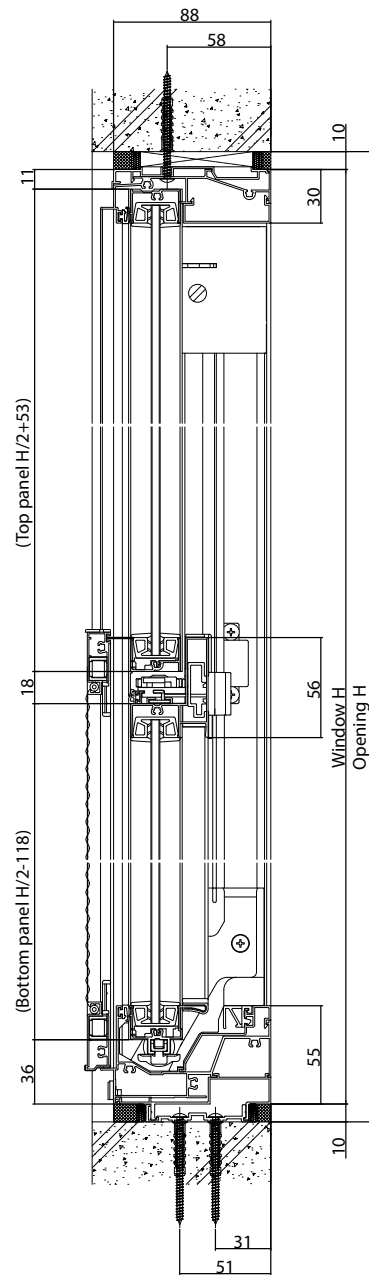
ATIS

FIXED WINDOW

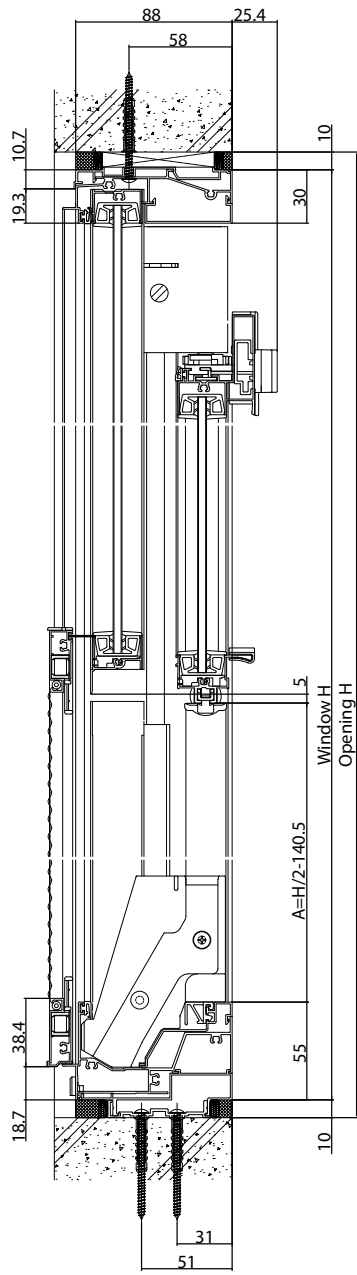


ATIS

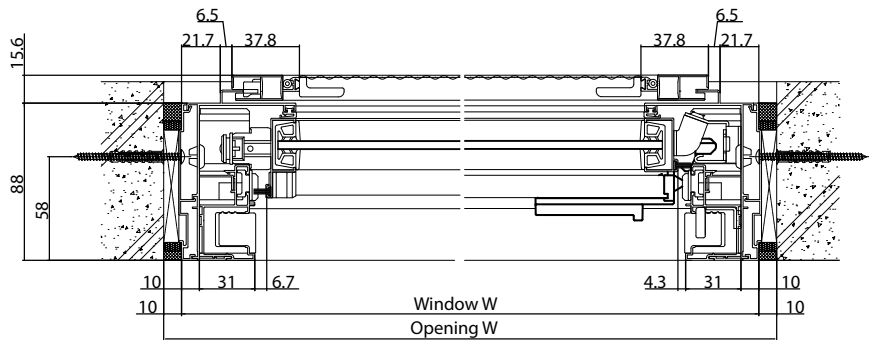
TILT AND SLIDE



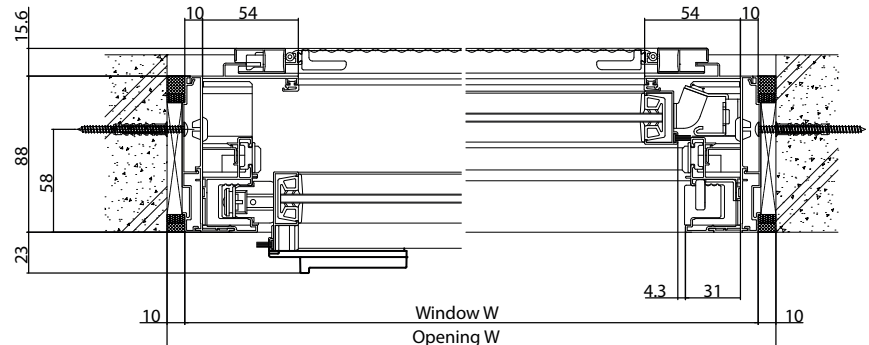
Vertical section: Tilt & Slide



Vertical section: Tilt & Slide open position



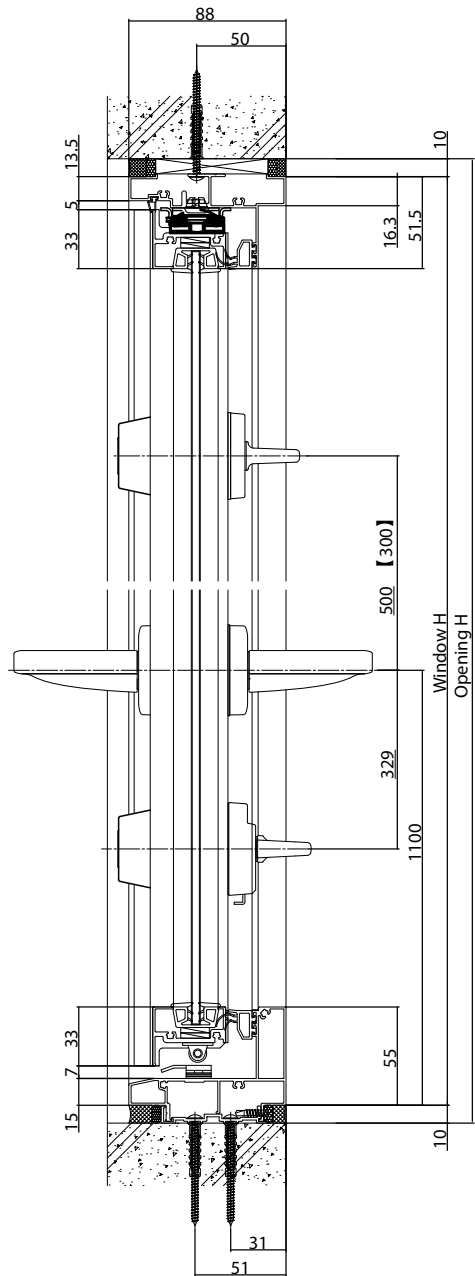
Horizontal section: Tilt & Slide



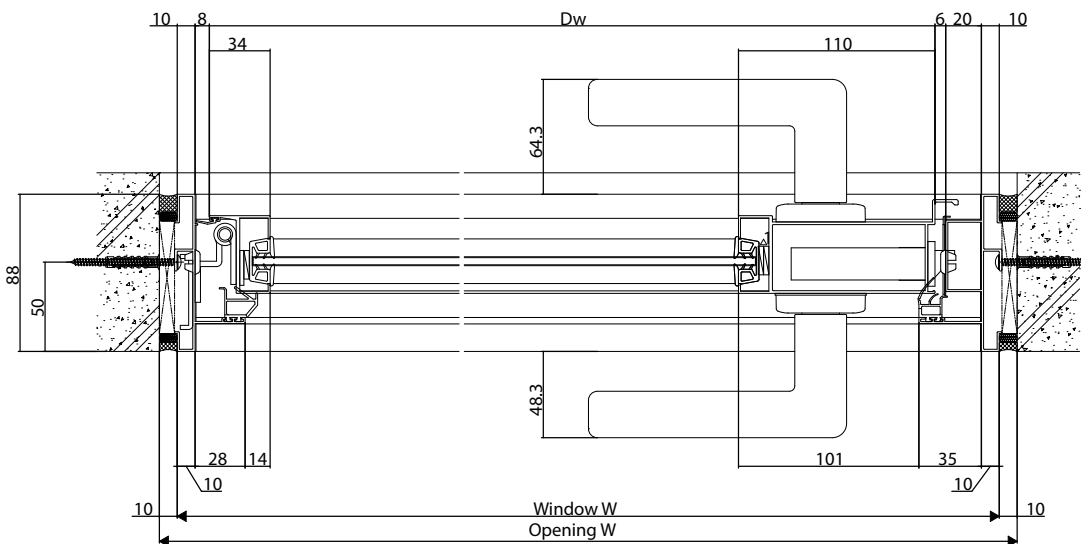
Horizontal section: Tilt & Slide open position

ATIS

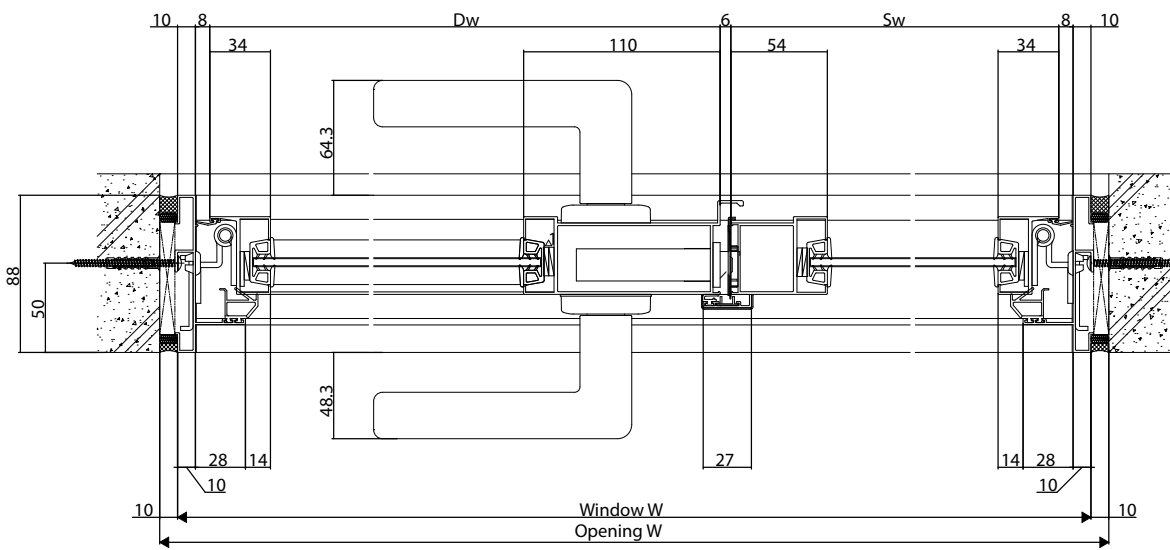
OUT-SWING DOOR



Vertical section: Single and double Out-swing door



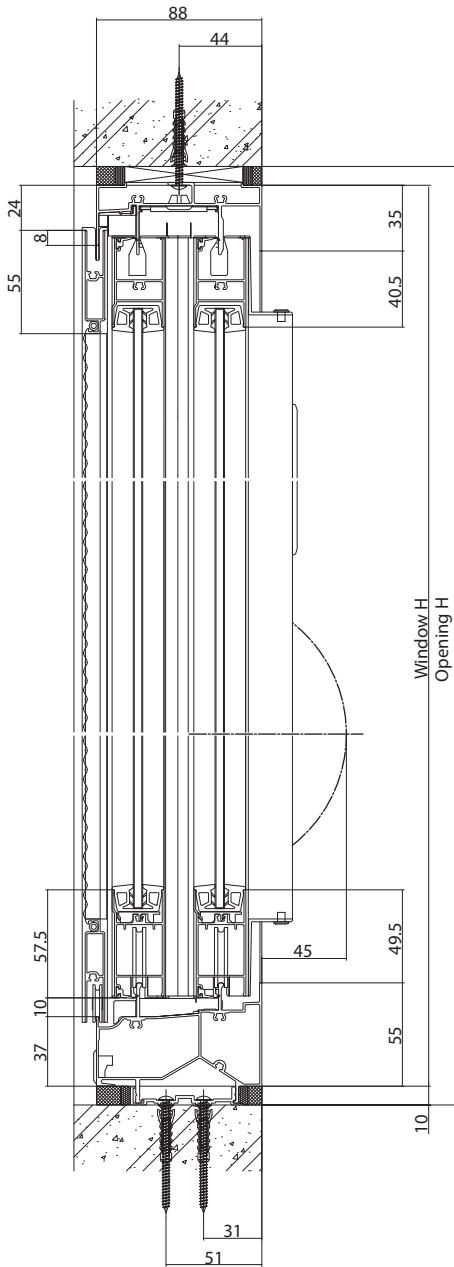
Horizontal section: Single Out-swing door



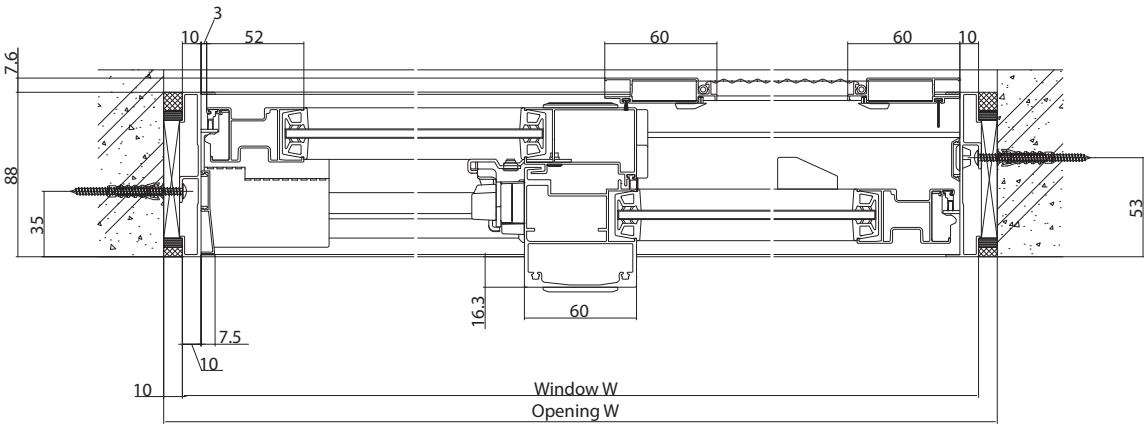
Horizontal section: Double Out-swing door

ATIS

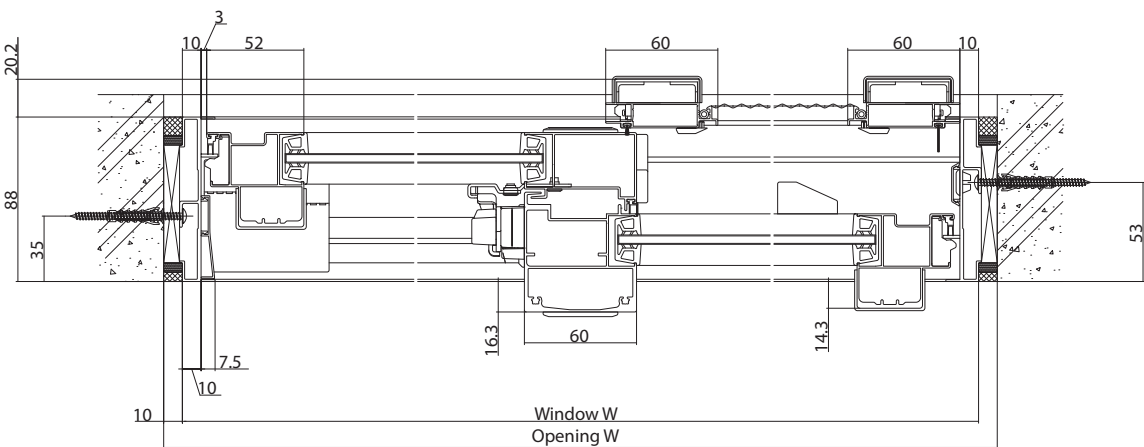
ENTRANCE SLIDING DOOR (2P2T, 4P2T)



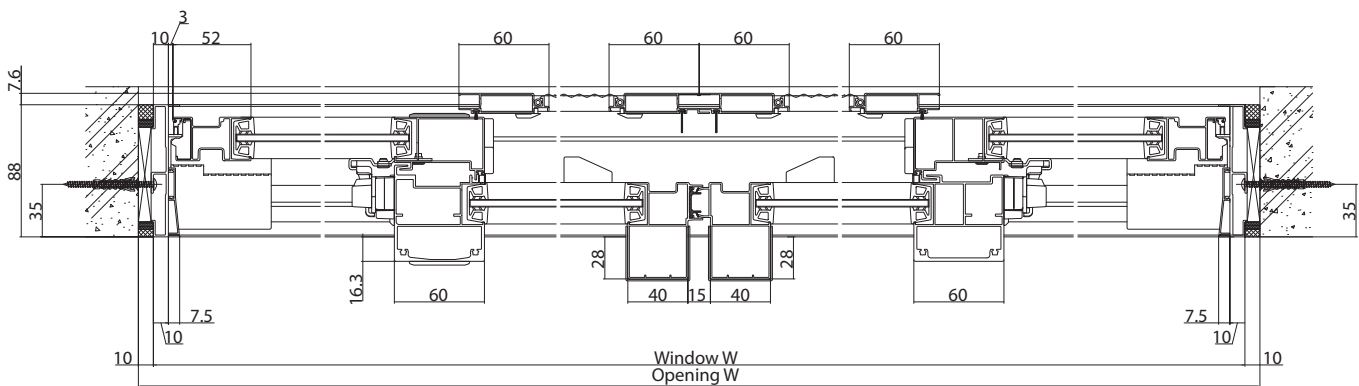
Vertical section: Entrance sliding door
(2 and 4 panels on 2 tracks)
Type B, C with TL-X screen



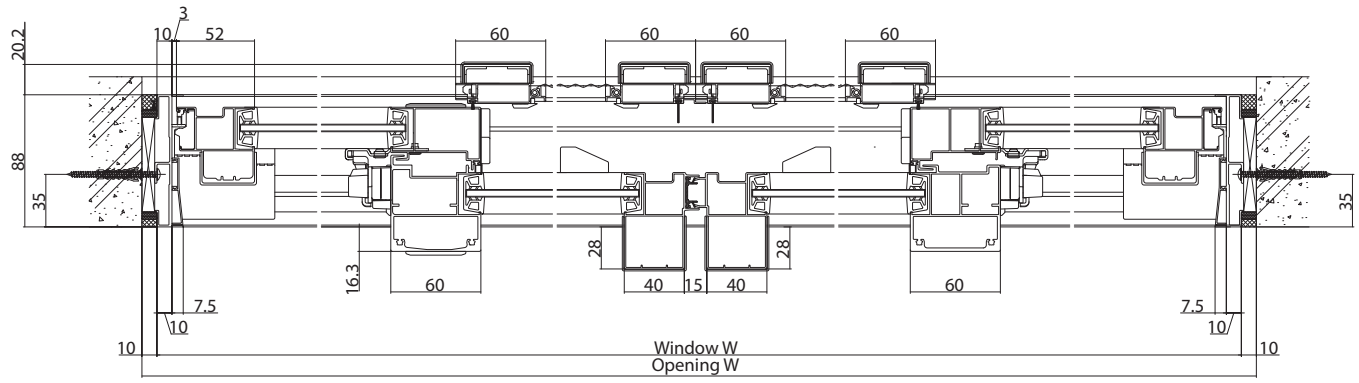
Horizontal section: Entrance sliding door (2 panels on 2 tracks) Type B with TL-X screen



Horizontal section: Entrance sliding door (2 panels on 2 tracks) Type C with TR-X screen

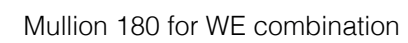
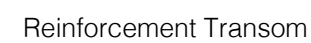
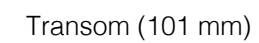
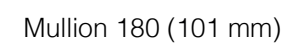
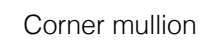
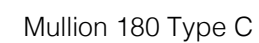
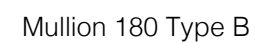
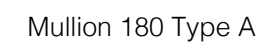


Horizontal section: Entrance sliding door (4 panels on 2 tracks) Type B with TL-X screen

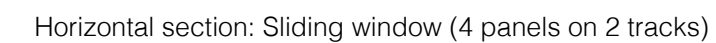
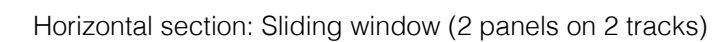
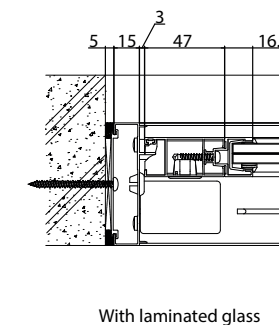
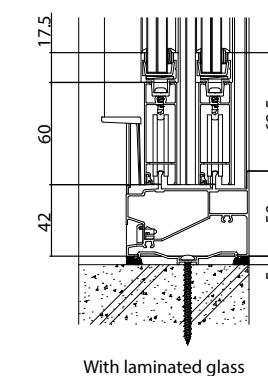
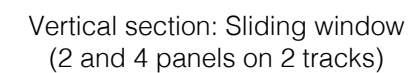


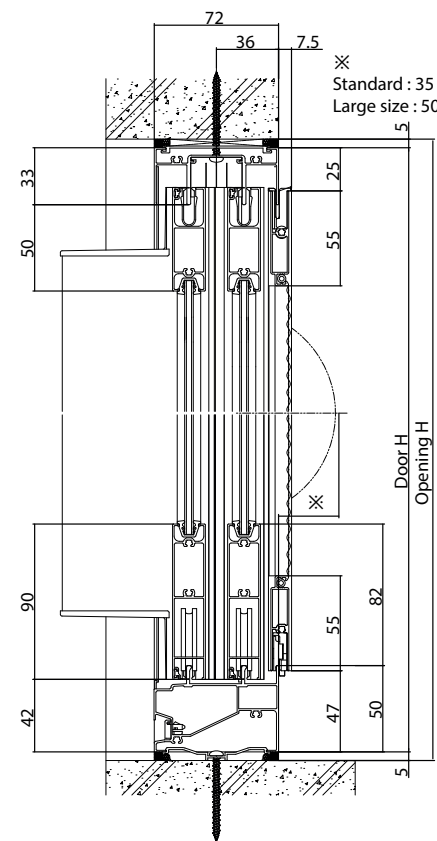
Horizontal section: Entrance sliding door (4 panels on 2 tracks) Type C with TR-X screen

TRANSOM & MULLION

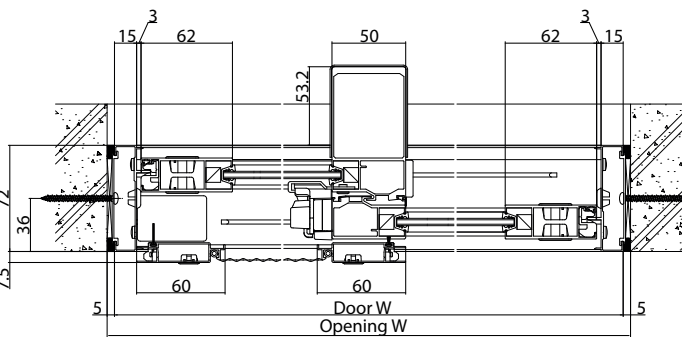
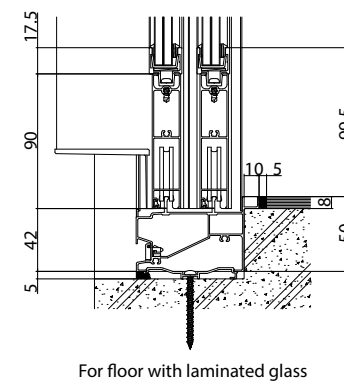
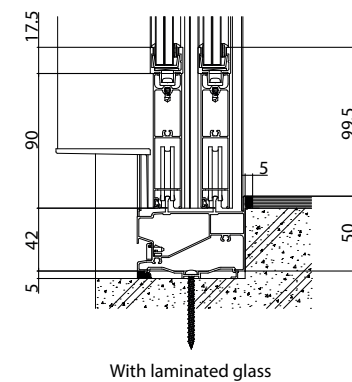
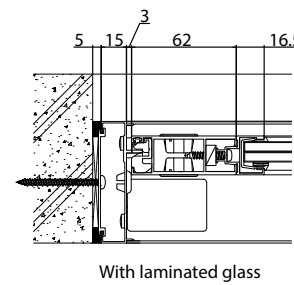
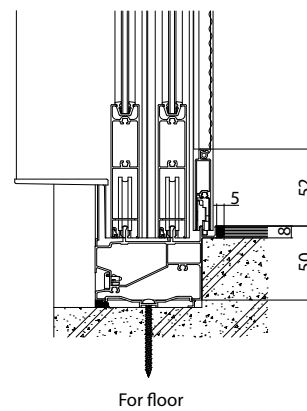


SLIDING (2P2T, 4P2T)

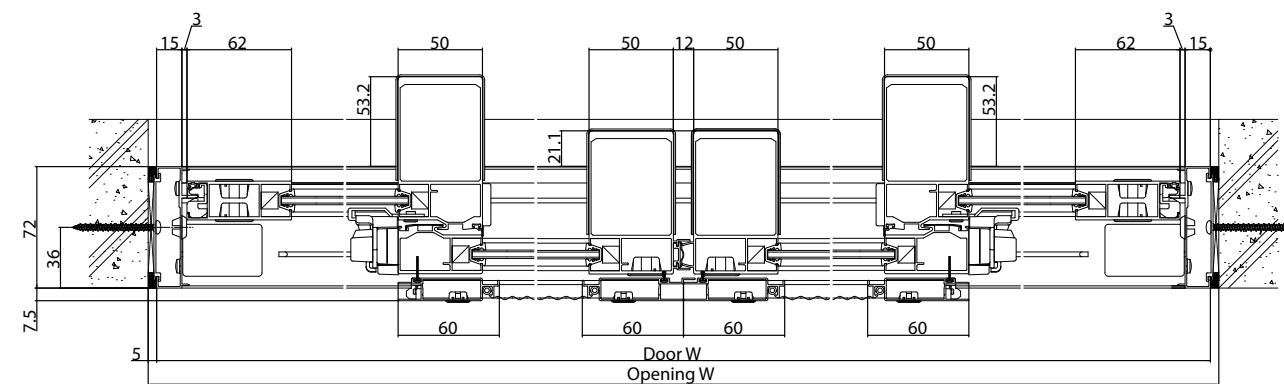




Vertical section: Sliding door
(2 and 4 panels on 2 tracks)



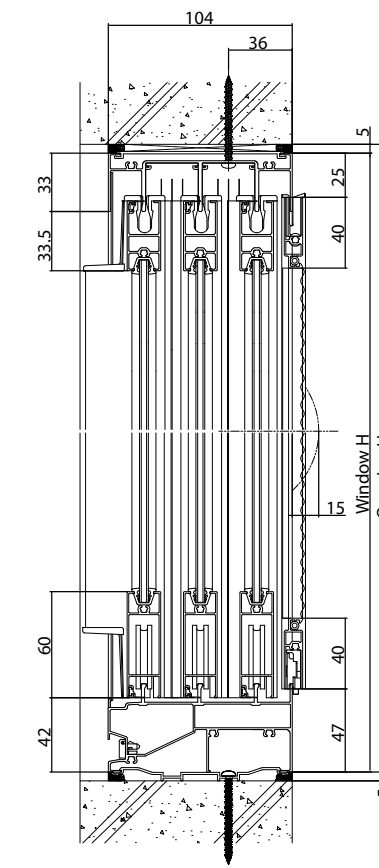
Horizontal section: Sliding door (2 panels on 2 tracks)



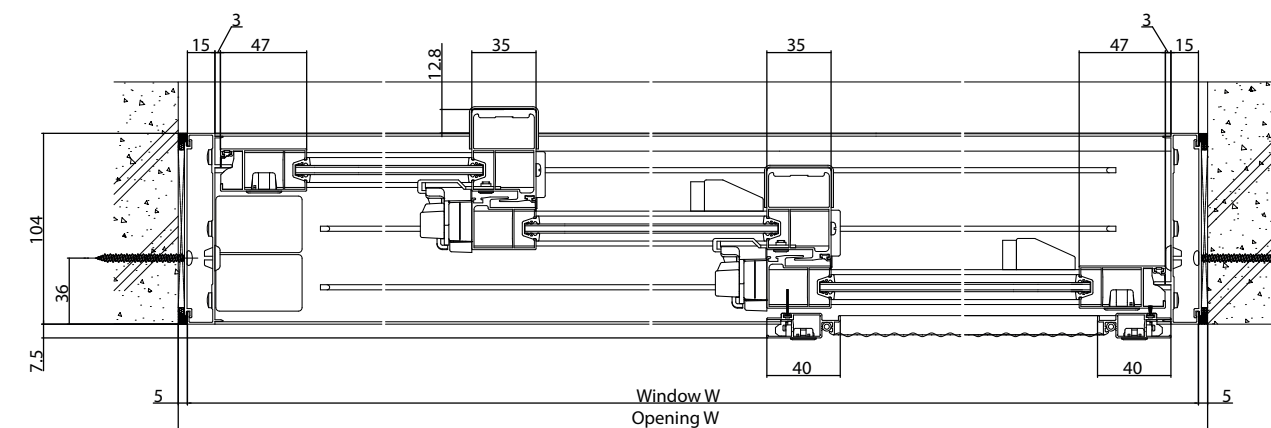
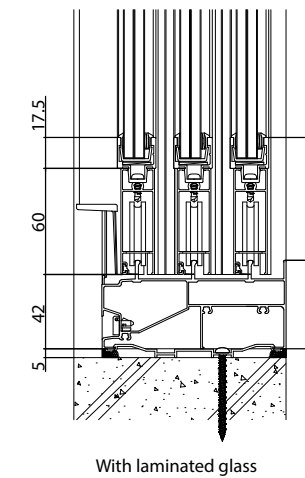
Horizontal section: Sliding door (4 panels on 2 tracks)

WE PLUS

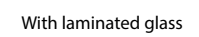
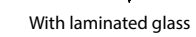
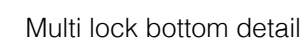
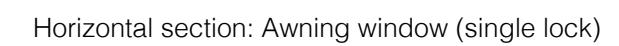
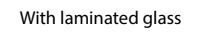
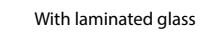
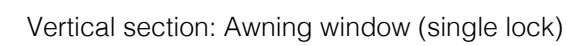
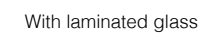
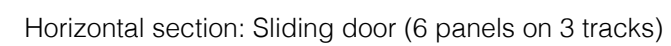
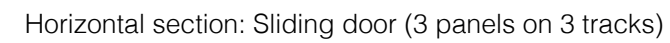
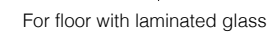
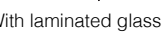
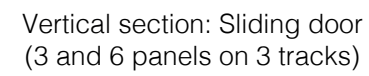
SLIDING (3P3T, 6P3T)



Vertical section: Sliding window (3 panels on 3 tracks)

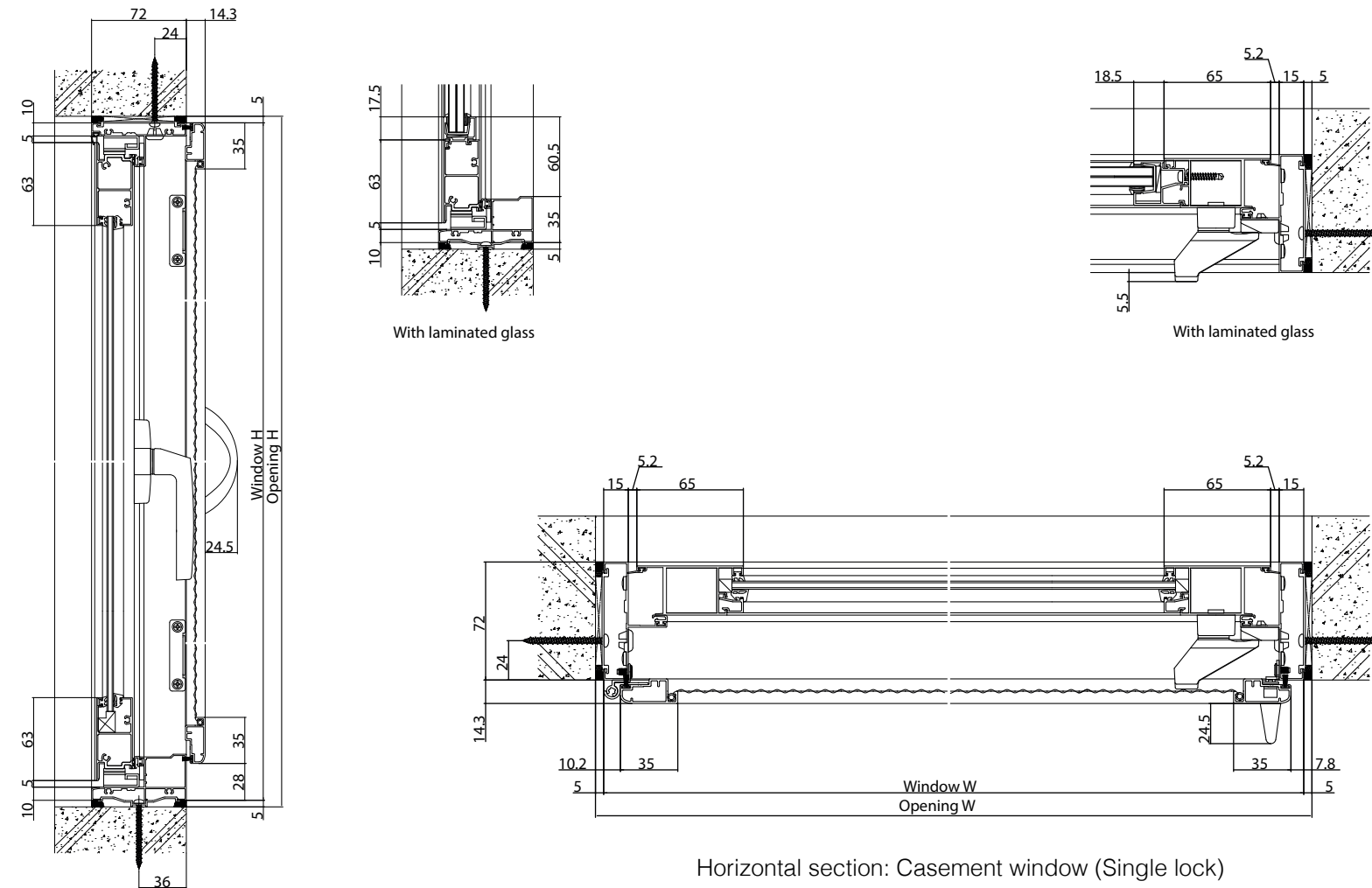


Horizontal section: Sliding window (3 panels on 3 tracks)

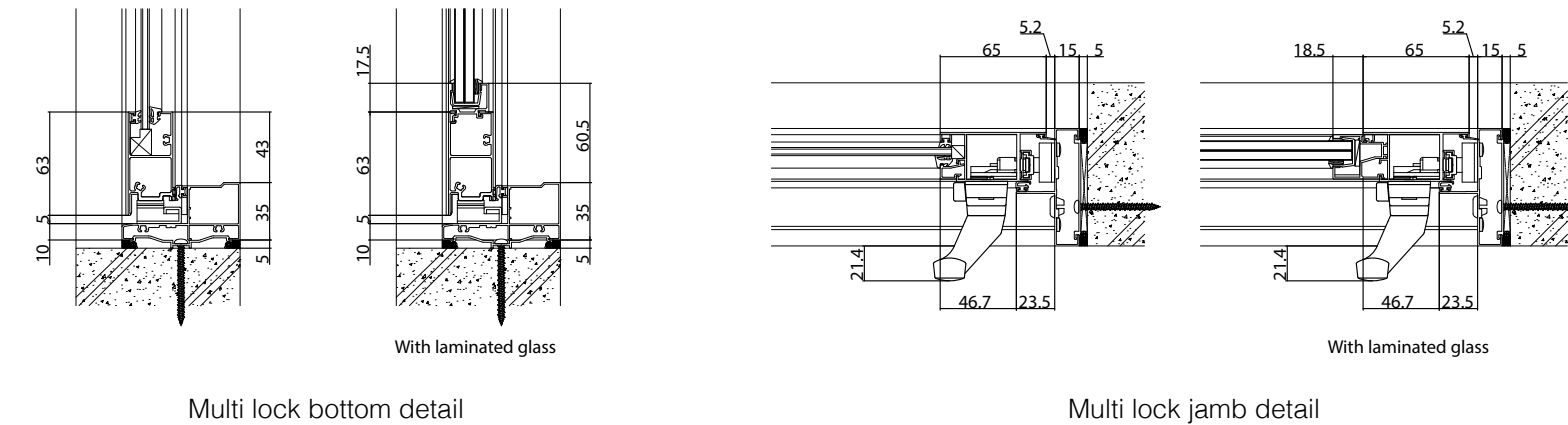


WE PLUS

CASEMENT WINDOW

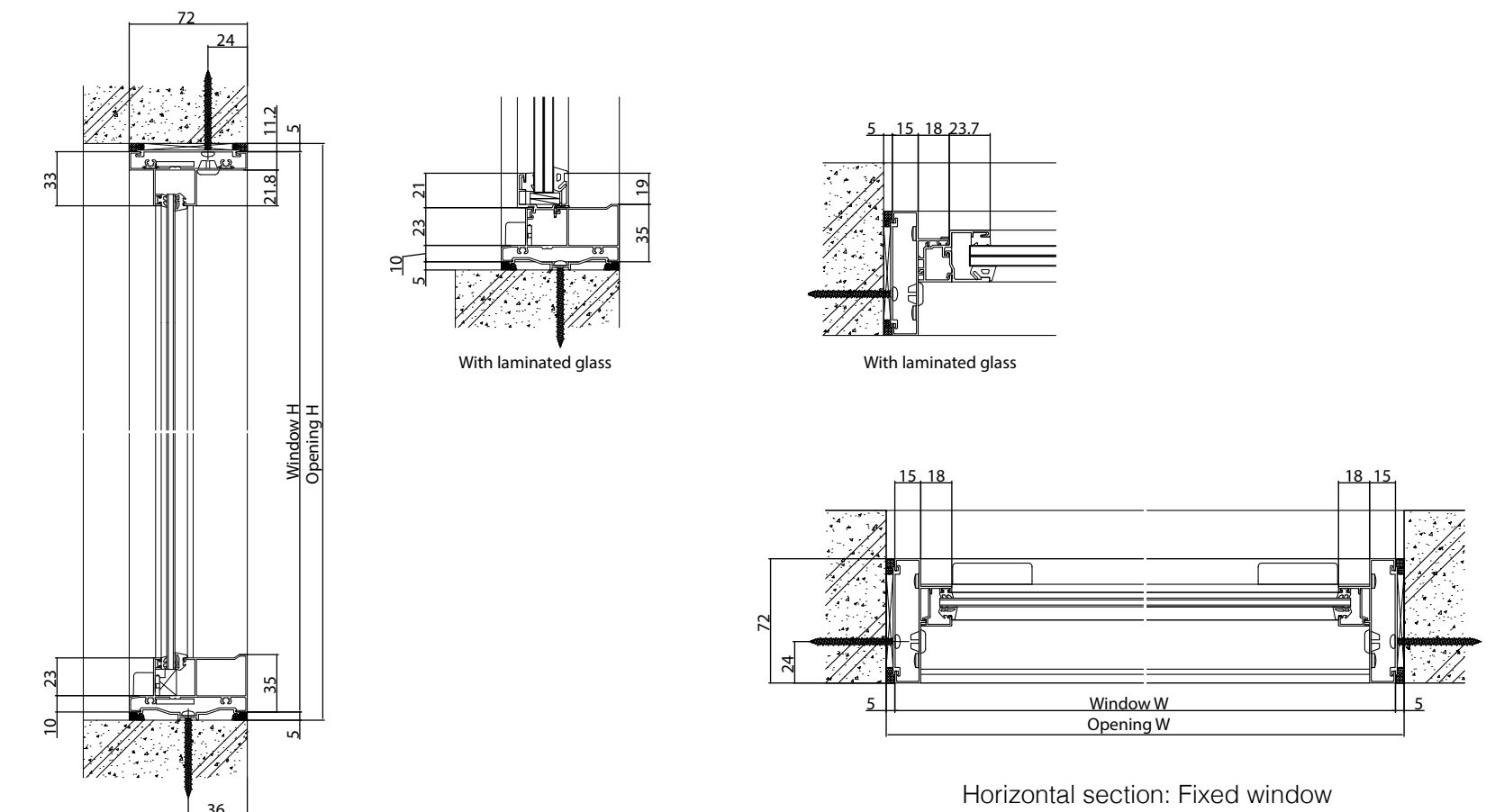


Vertical section: Casement window (Single lock)

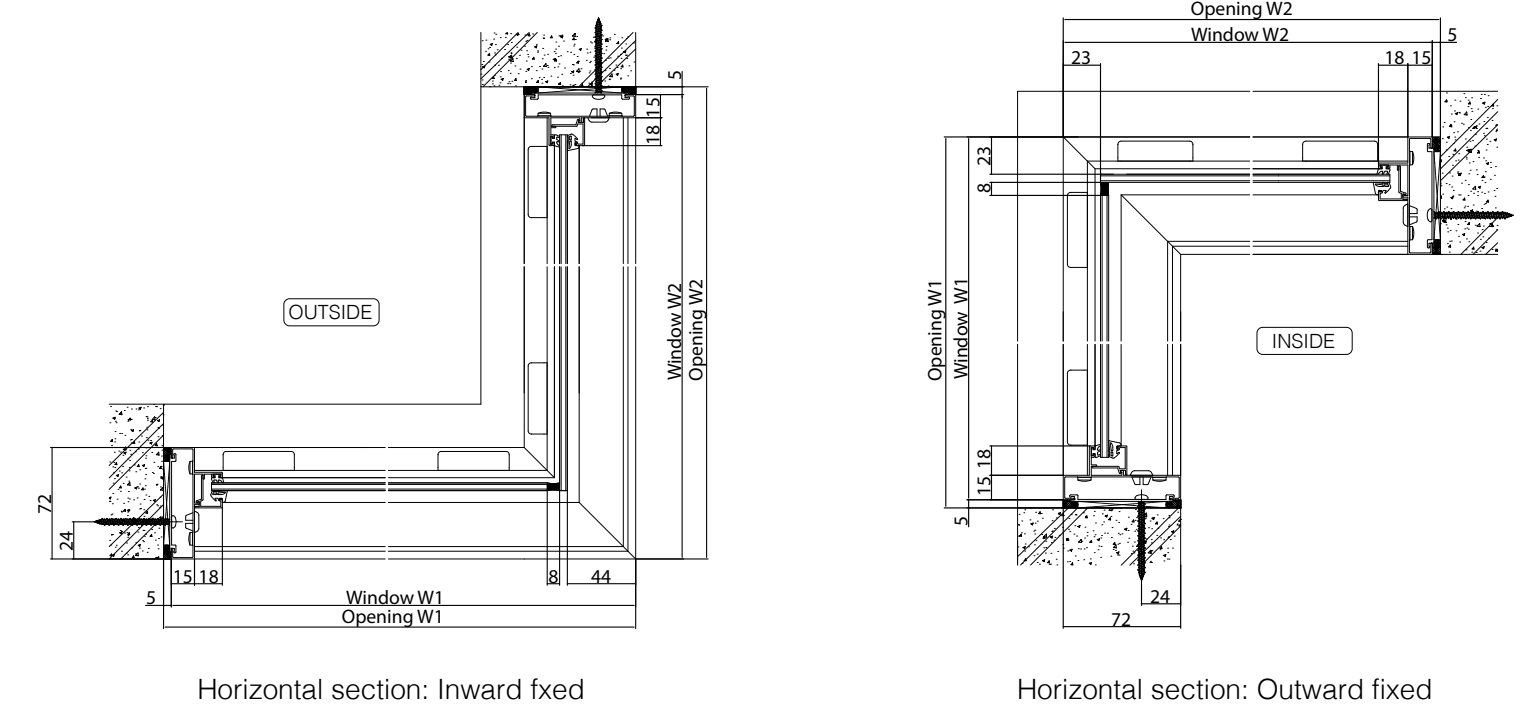


WE PLUS

FIXED WINDOW



Vertical section: Single and corner fixed

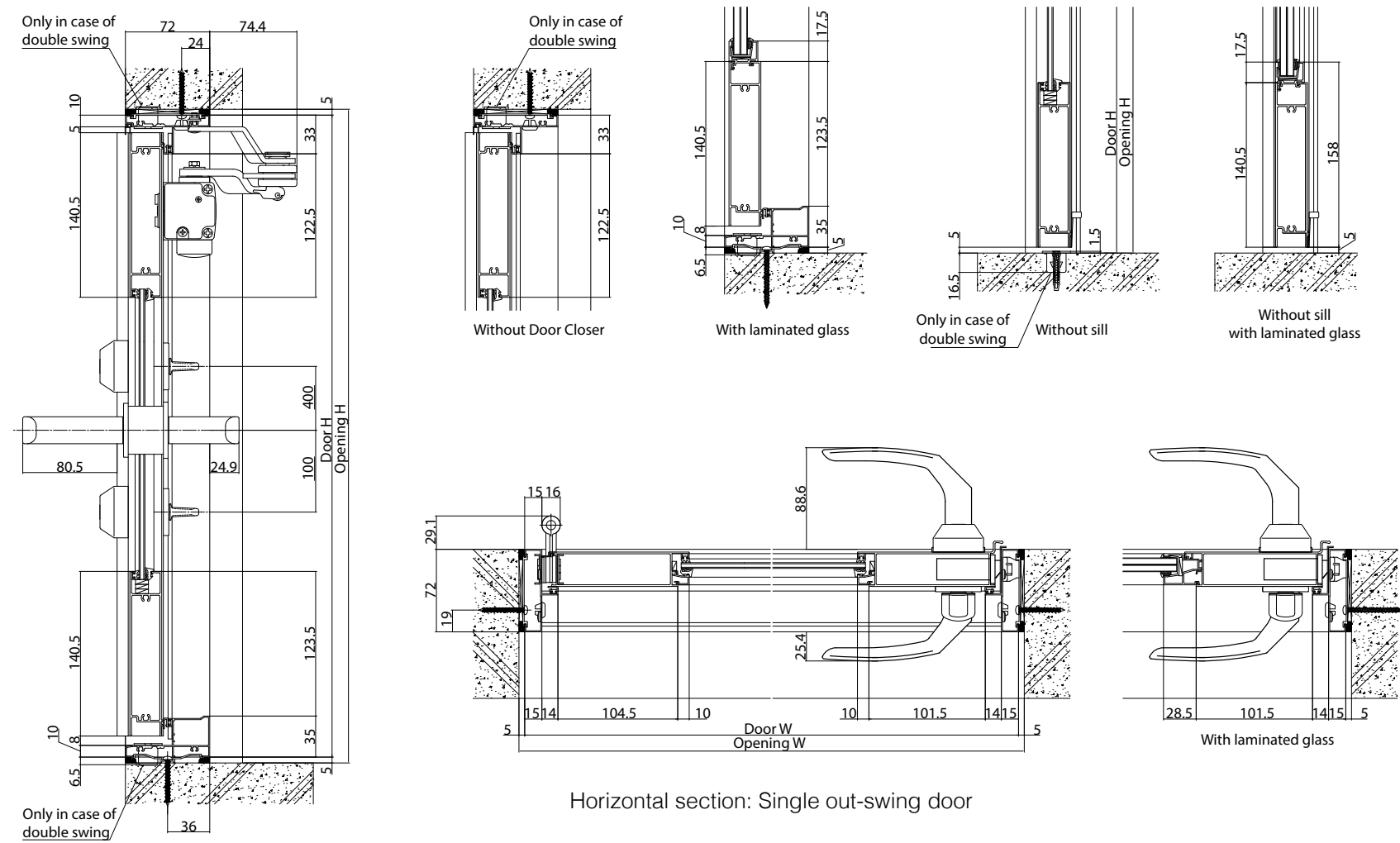


Horizontal section: Inward fixed

Horizontal section: Outward fixed

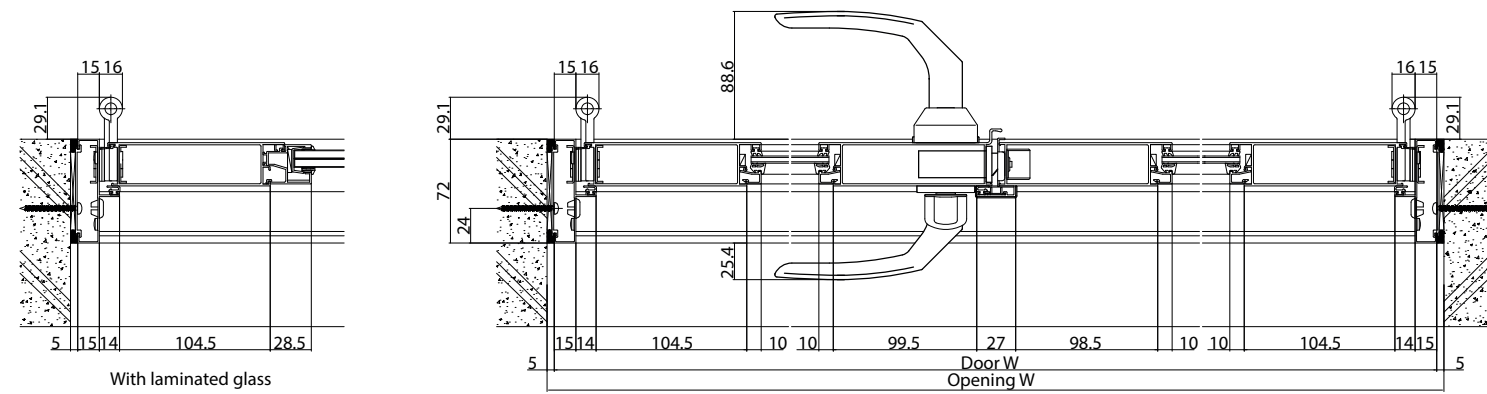
WE PLUS

OUT-SWING DOOR



Horizontal section: Single out-swing door

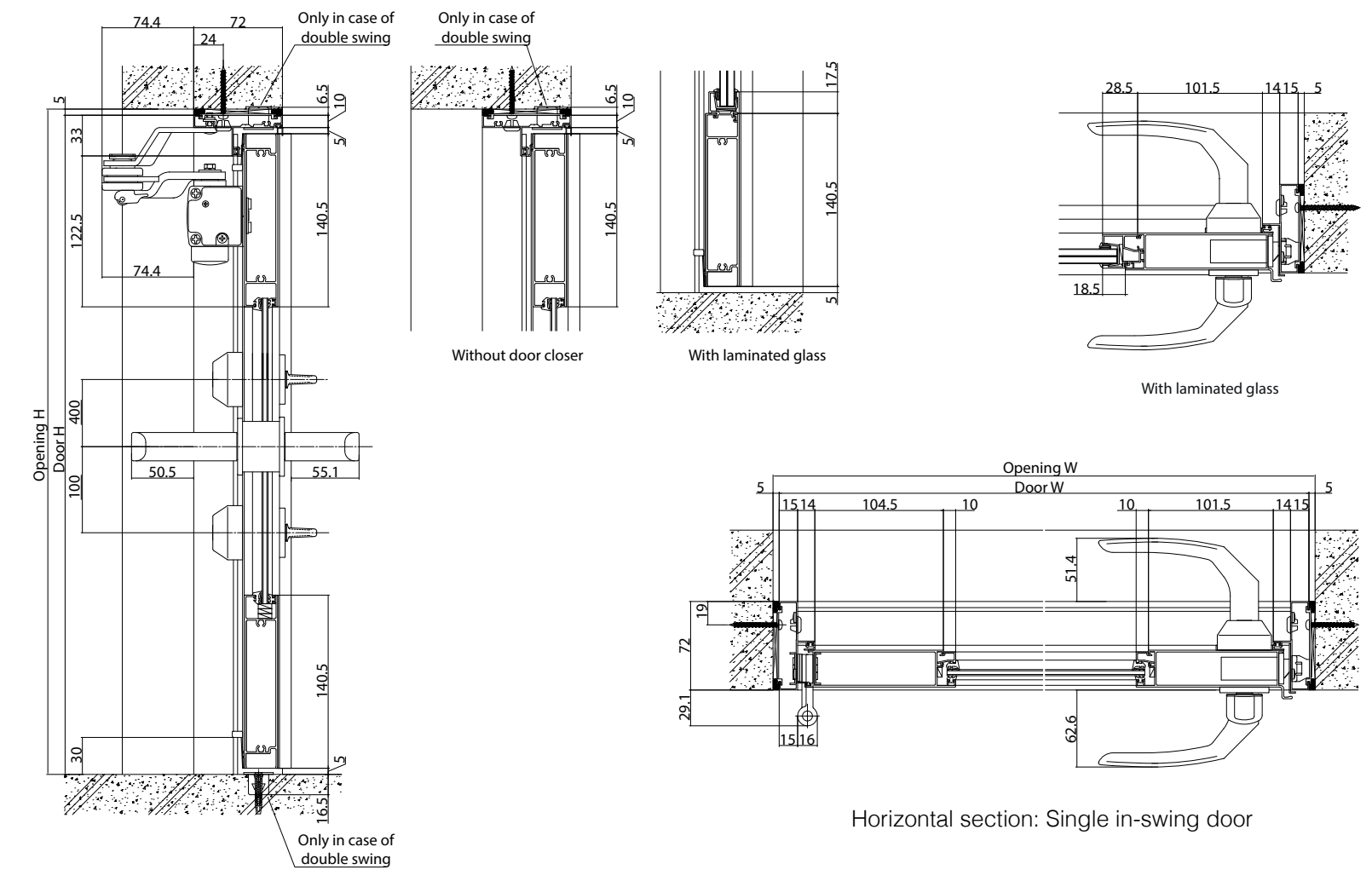
Vertical section: Single & Double out-swing door



Horizontal section: Double out-swing door

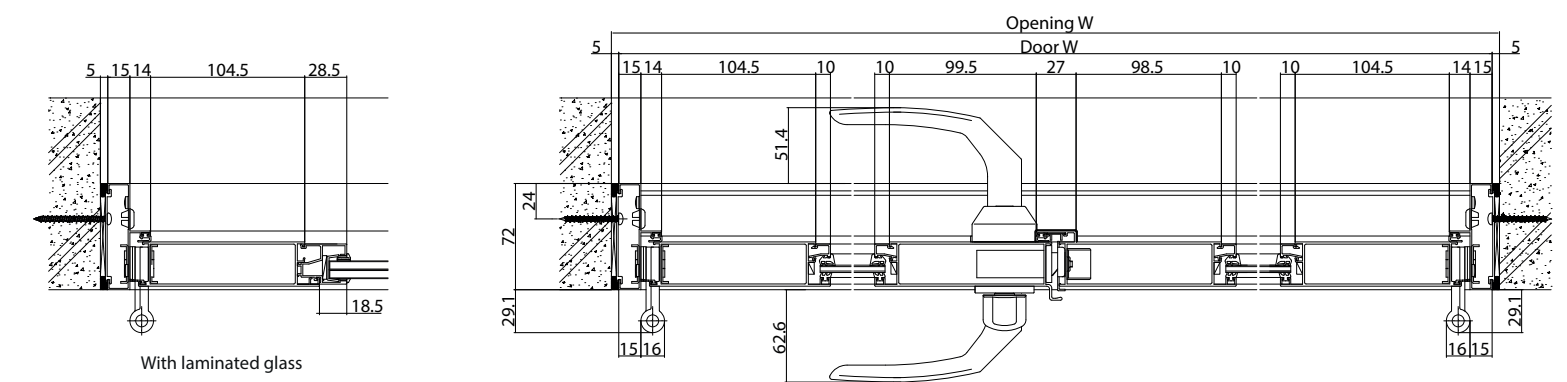
WE PLUS

IN-SWING DOOR



Horizontal section: Single in-swing door

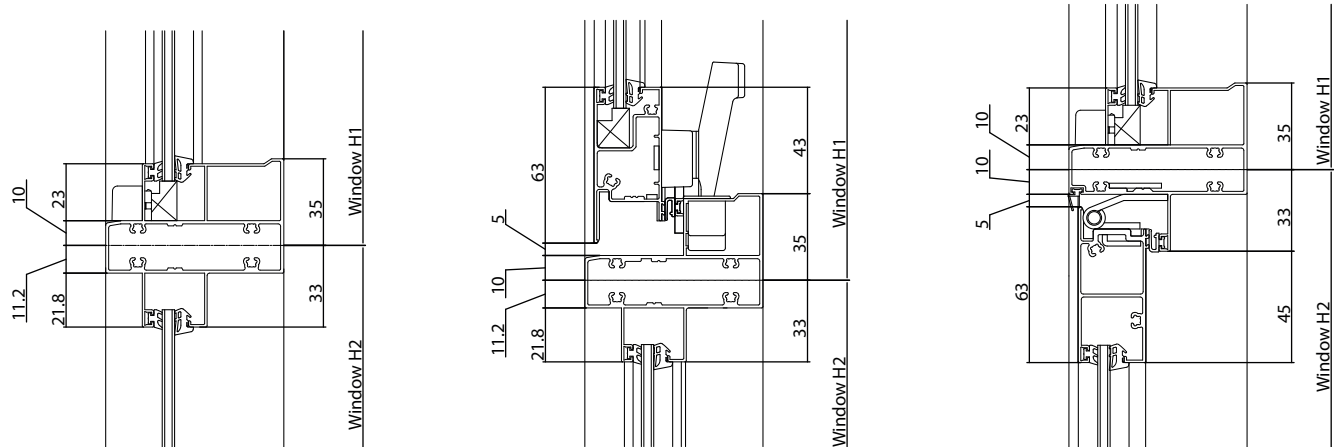
Vertical section: Single & Double in-swing door



Horizontal section: Double in-swing door

WE PLUS

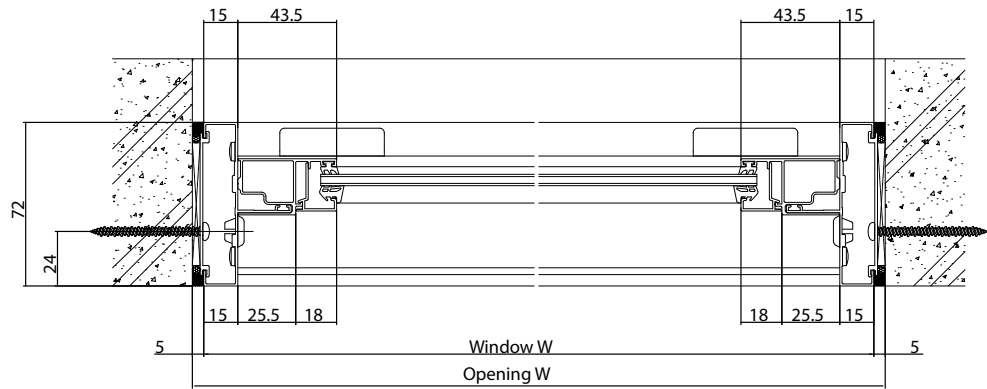
TRANSOM & MULLION



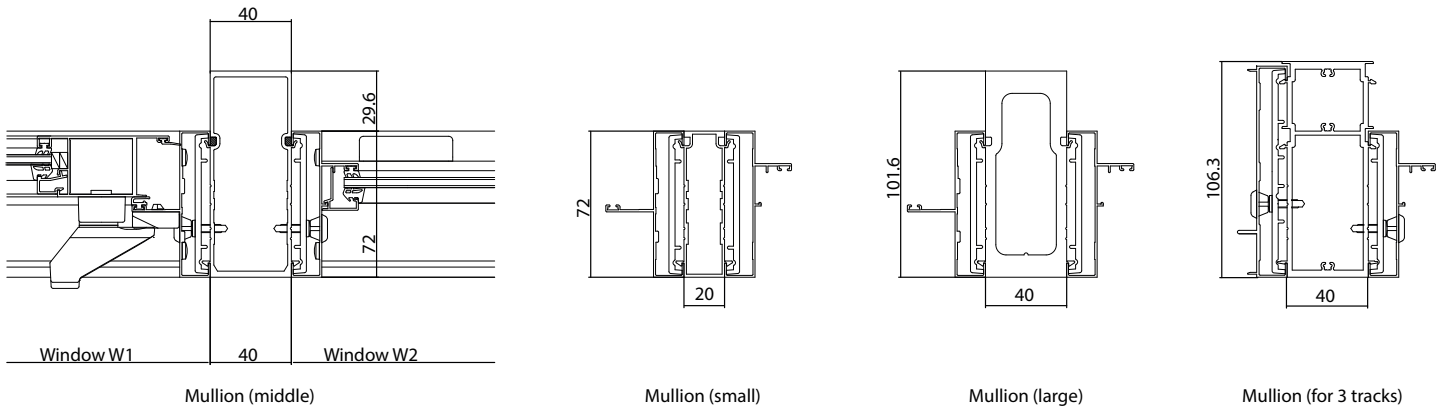
Vertical section: Fixed/
Fixed transom

Vertical section: Projection/
Fixed transom

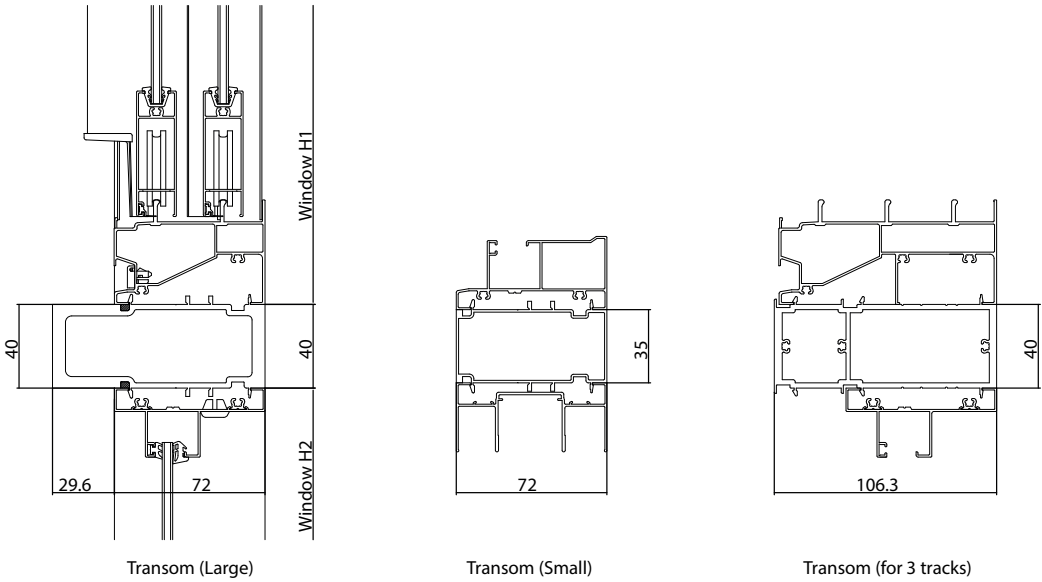
Vertical section: Fixed/
Projection transom



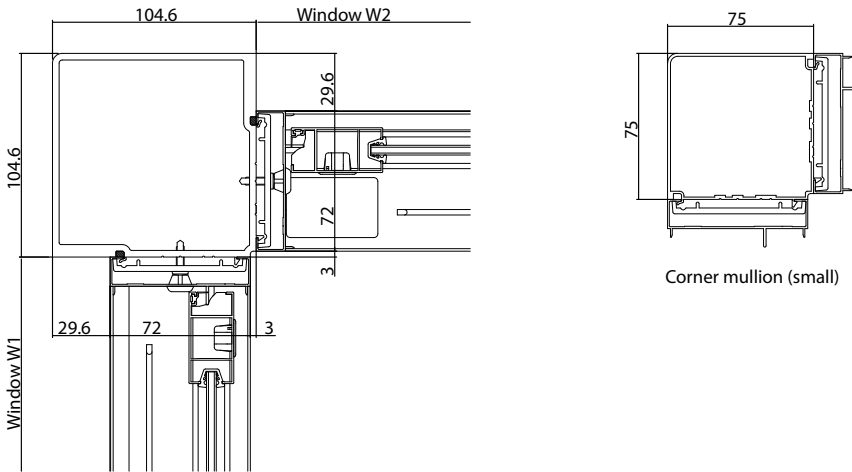
Horizontal section: Combination fixed window



Mullion 180°



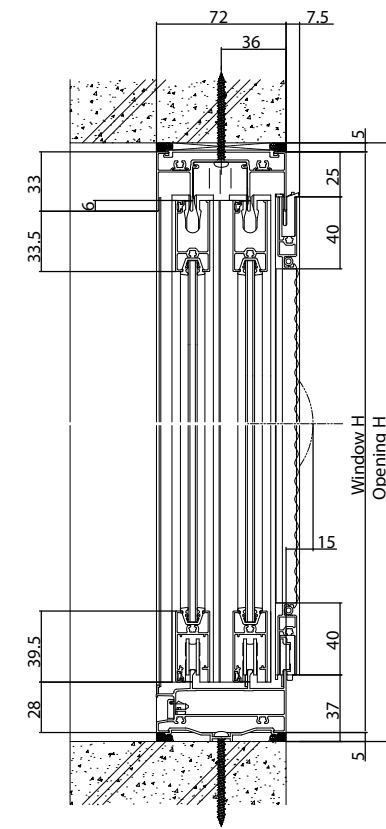
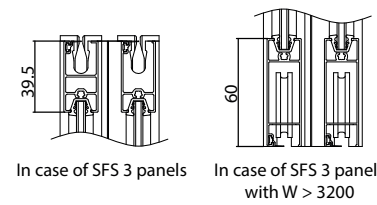
Transom



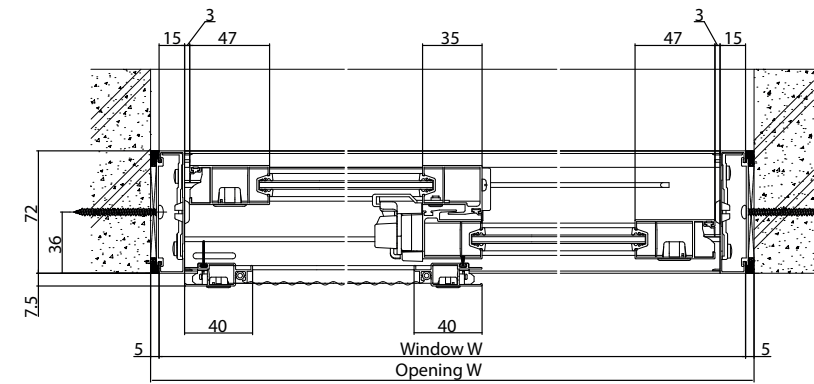
Corner mullion

WE 70

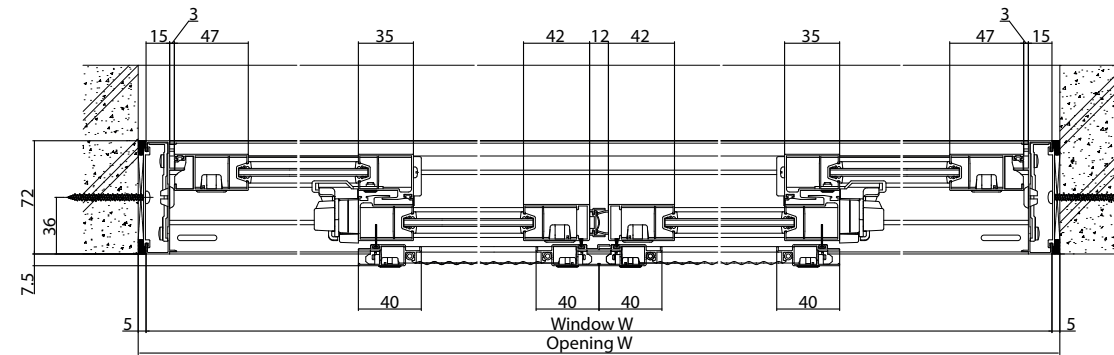
SLIDING (2P2T, 4P2T, SFS 3P2T)

Vertical section: Sliding window
(2, 4 and SFS 3 panels on 2 tracks)

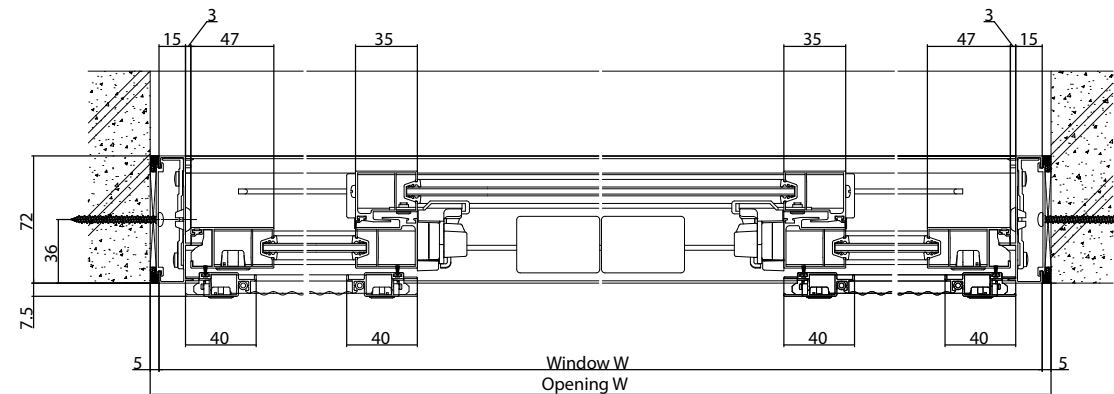
In case of SFS 3 panels

In case of SFS 3 panels
with W > 3200

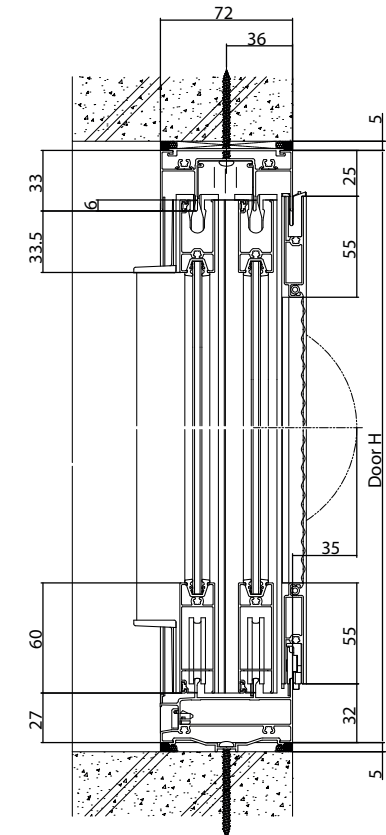
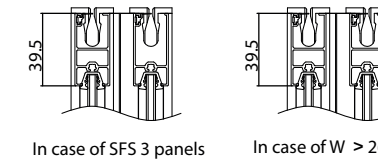
Horizontal section: Sliding window (2 panels on 2 tracks)



Horizontal section: Sliding window (4 panels on 2 tracks)

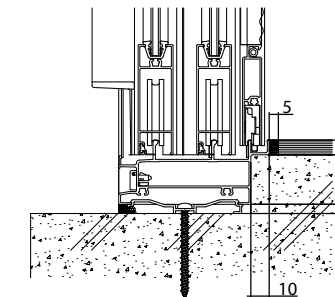


Horizontal section: Sliding window (SFS 3 panels on 2 tracks)

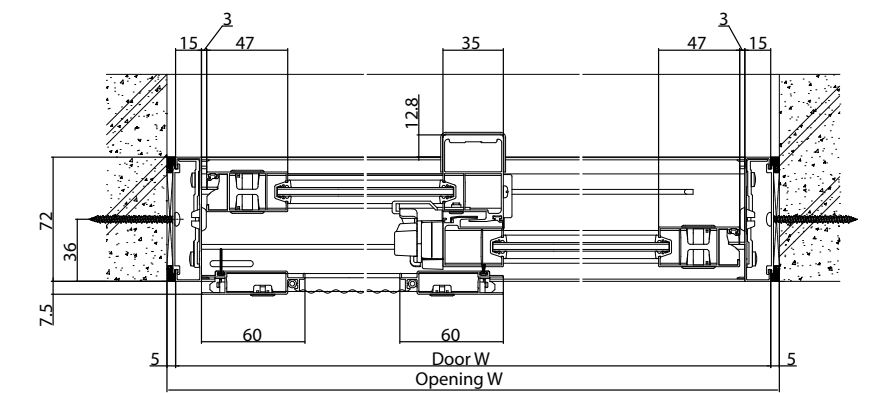
Vertical section: Sliding door
(2, 4 and SFS 3 panels on 2 tracks)

In case of SFS 3 panels

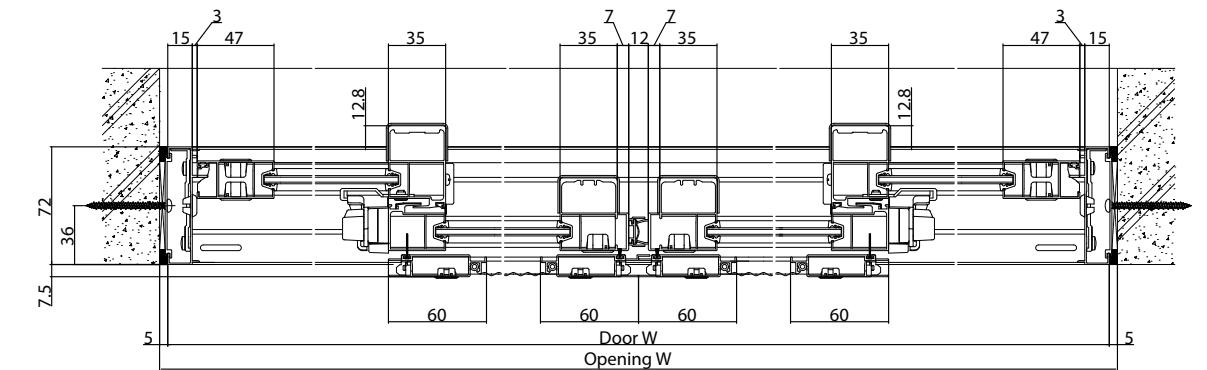
In case of W > 2600



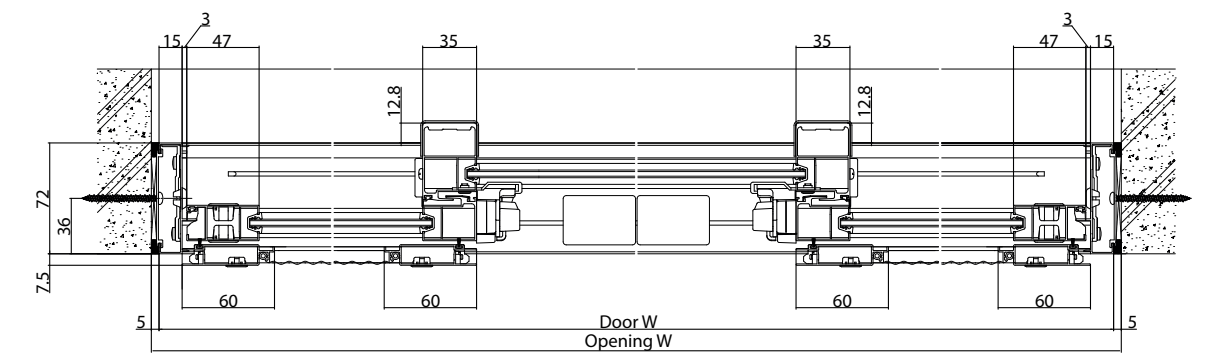
In case of floor finish sill



Horizontal section: Sliding door (2 panels on 2 tracks)



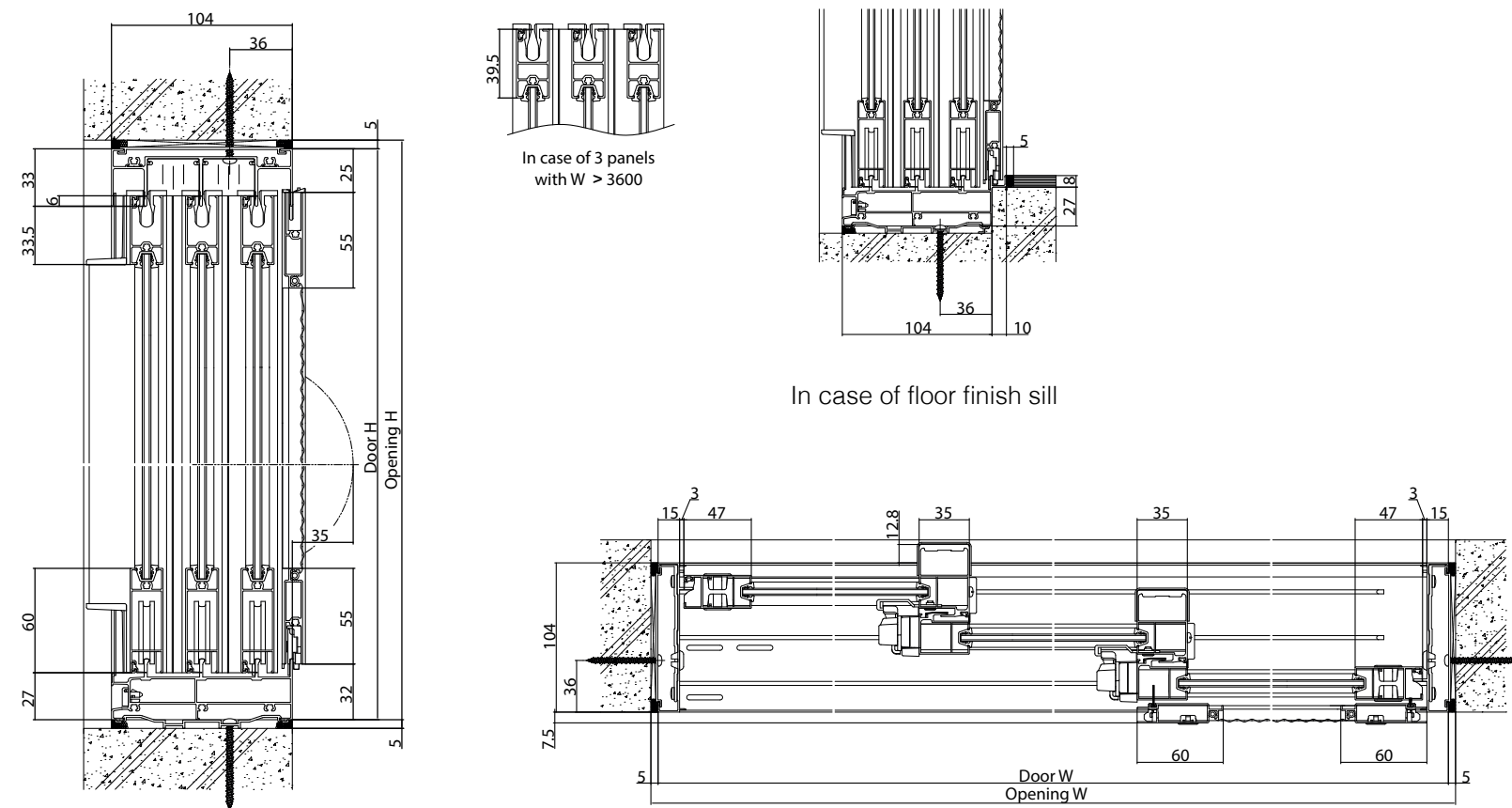
Horizontal section: Sliding door (4 panels on 2 tracks)



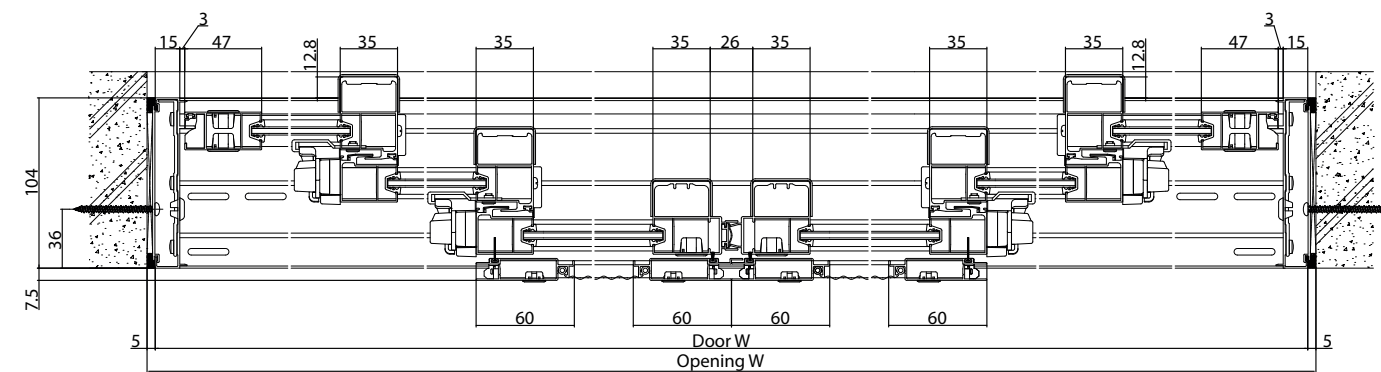
Horizontal section: Sliding door (SFS 3 panels on 2 tracks)

WE 70

SLIDING (3P3T, 6P3T)

Vertical section: Sliding door
(3 and 6 panels on 3 tracks)

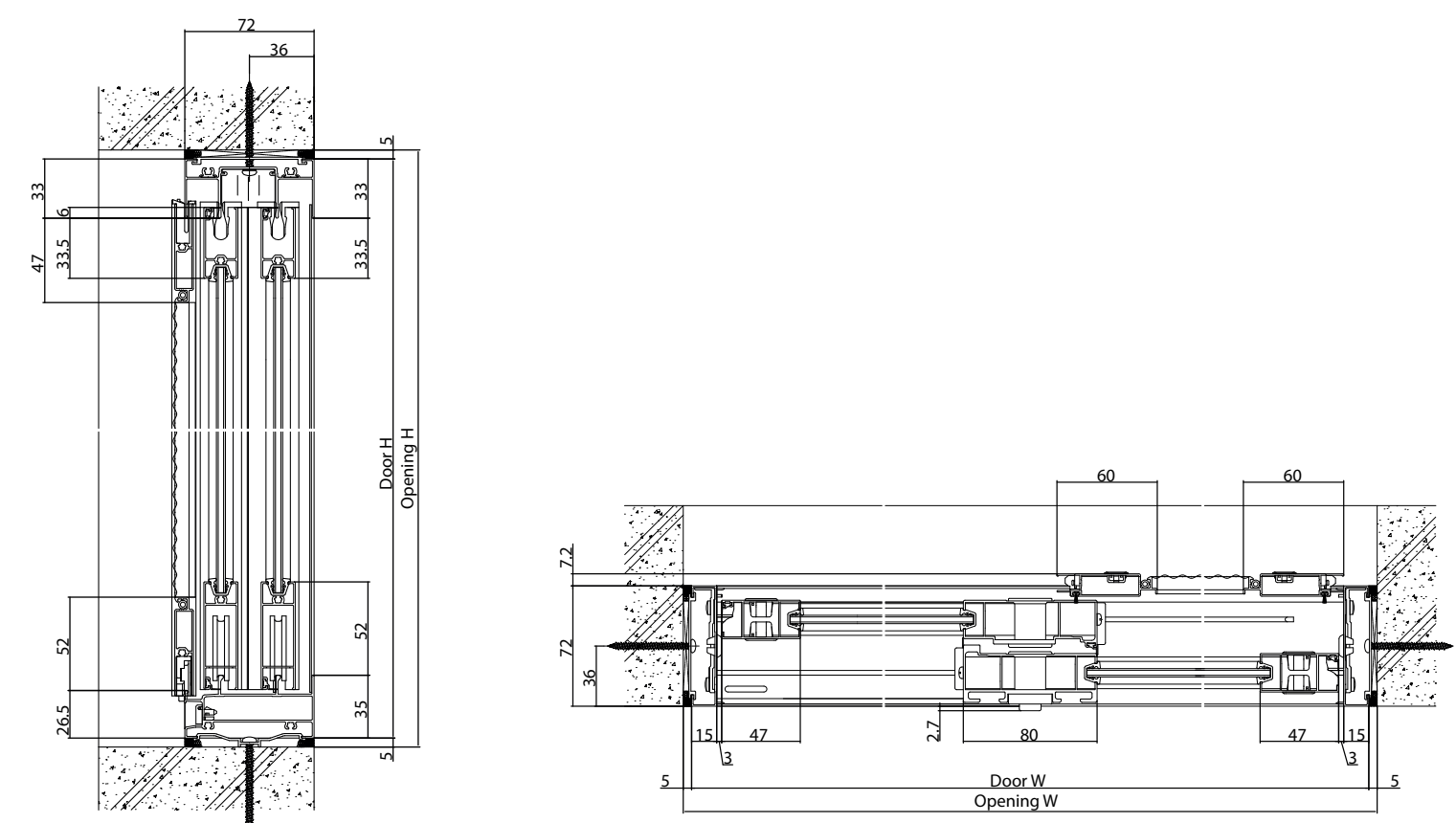
Horizontal section: Sliding door (3 panels on 3 tracks)



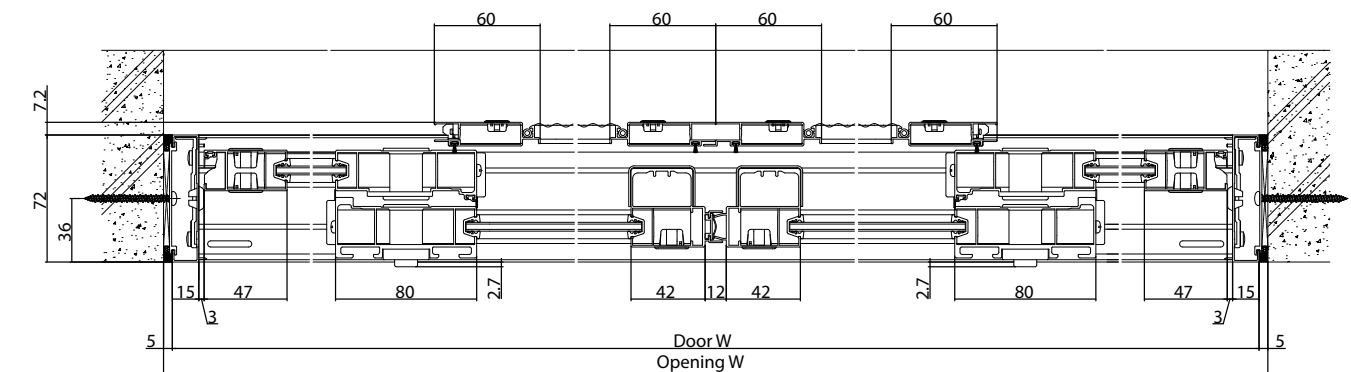
Horizontal section: Sliding door (6 panels on 3 tracks)

WE 70

ENTRANCE SLIDING (2P2T, 4P2T)

Vertical section: Entrance sliding door
(2 and 4 panels on 2 tracks)

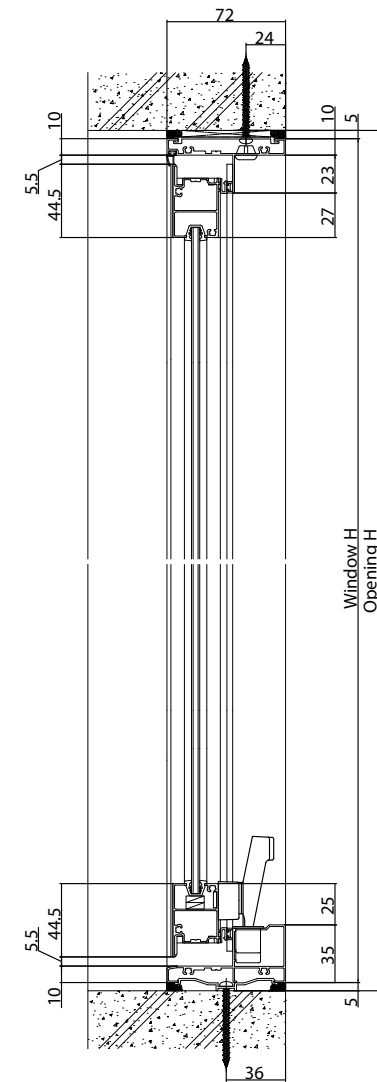
Horizontal section: Entrance sliding door (2 panels on 2 tracks)



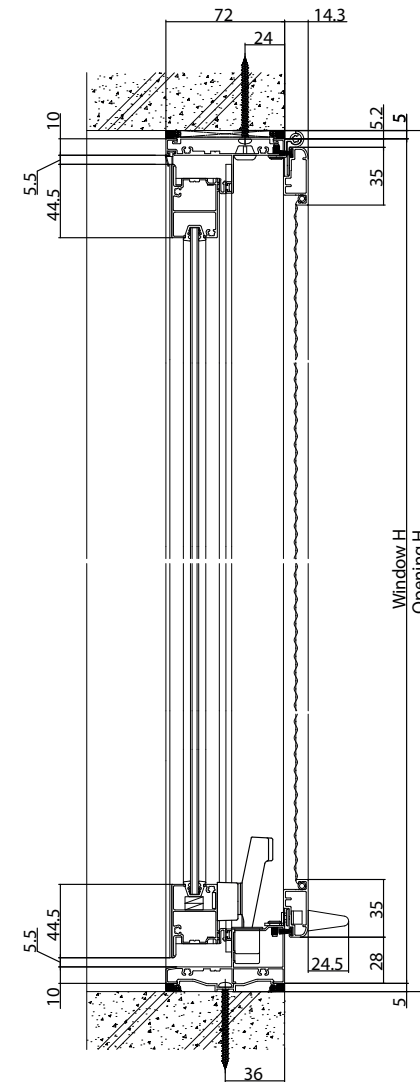
Horizontal section: Entrance sliding door (4 panels on 2 tracks)

WE 70

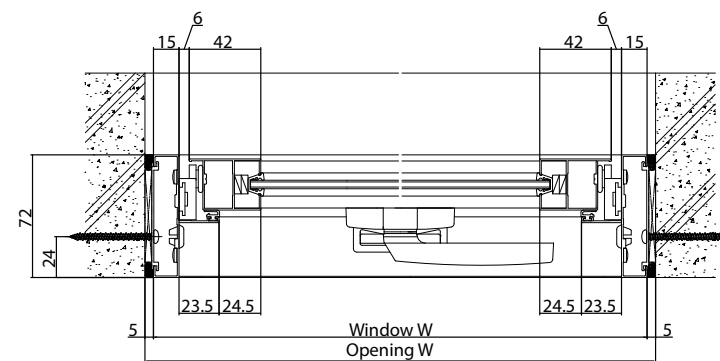
AWNING WINDOW



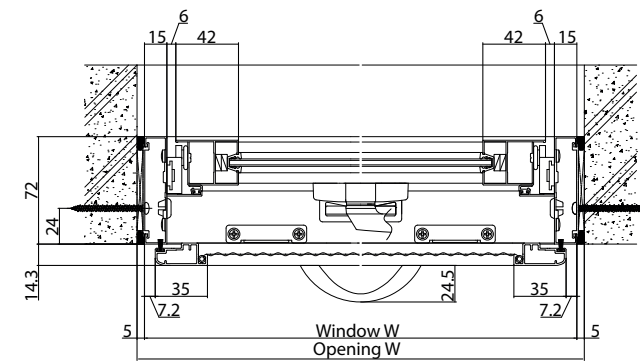
Vertical section: Awning window



Vertical section: Awning window with screen



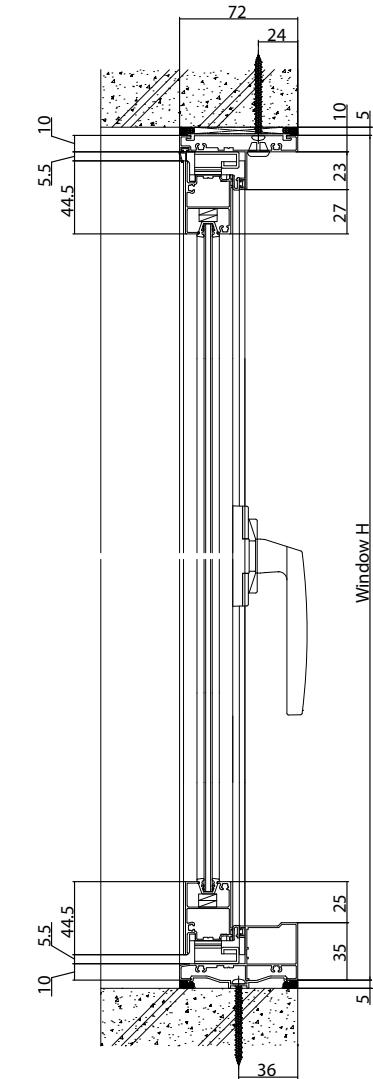
Horizontal section: Awning window



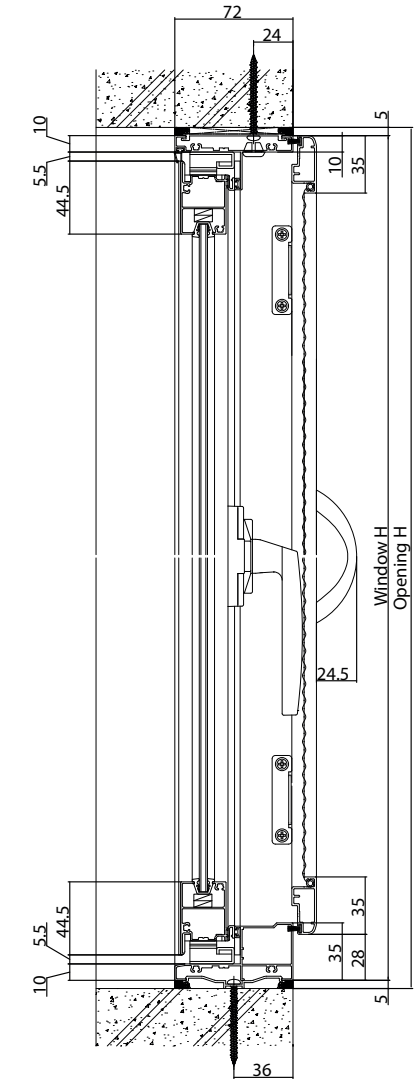
Horizontal section: Awning window with screen

WE 70

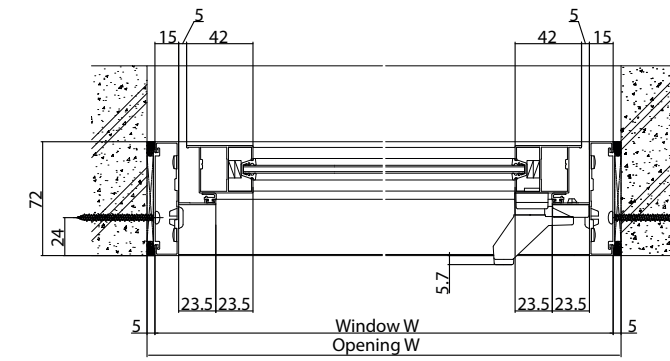
CASEMENT WINDOW



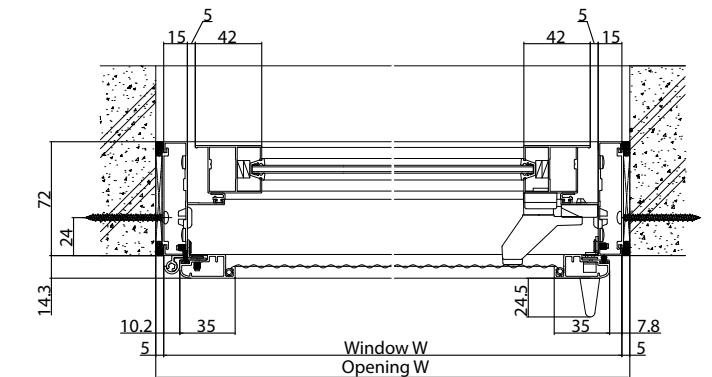
Vertical section: Casement window



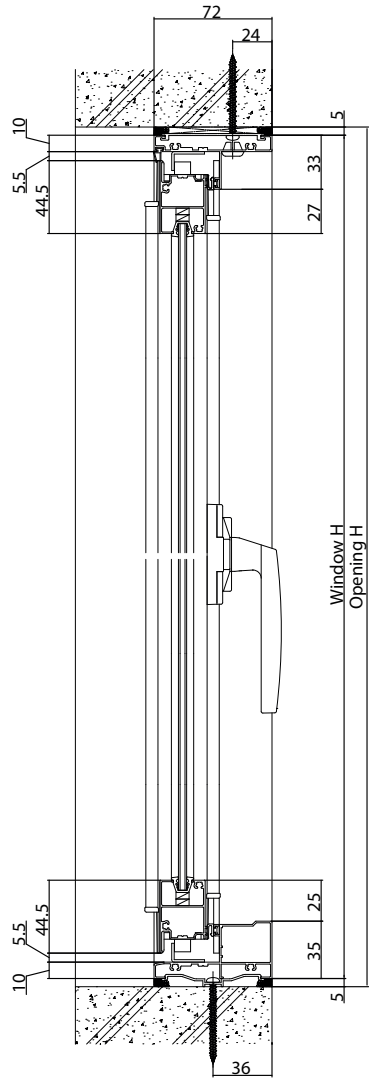
Vertical section: Casement window with screen



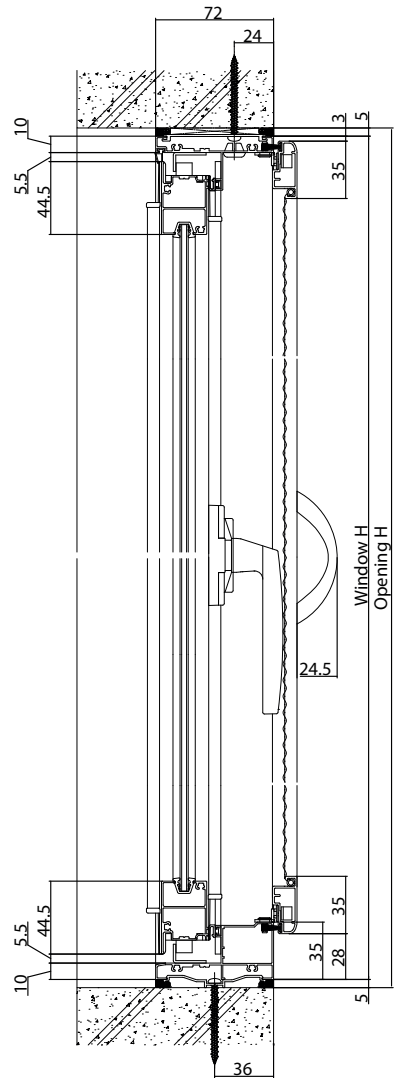
Horizontal section: Casement window



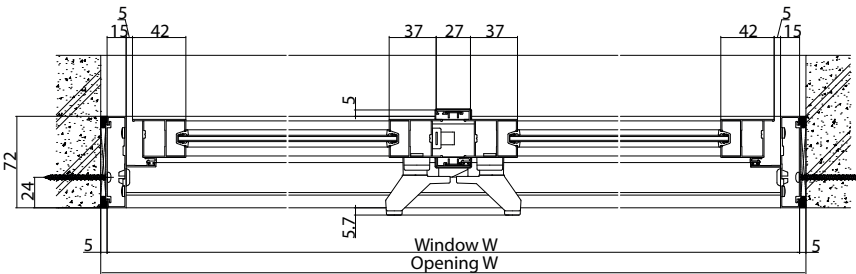
Horizontal section: Casement window with screen



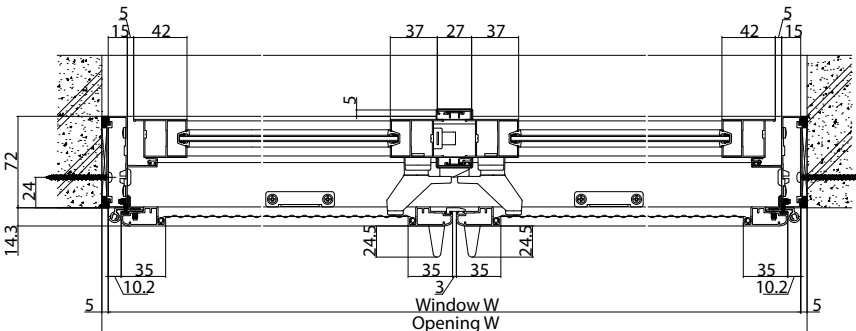
Vertical section: Double Casement window



Vertical section: Double Casement window with screen



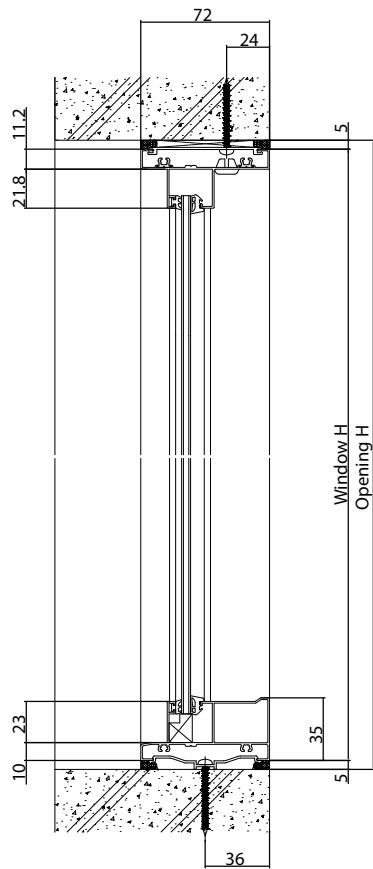
Horizontal section: Double Casement window



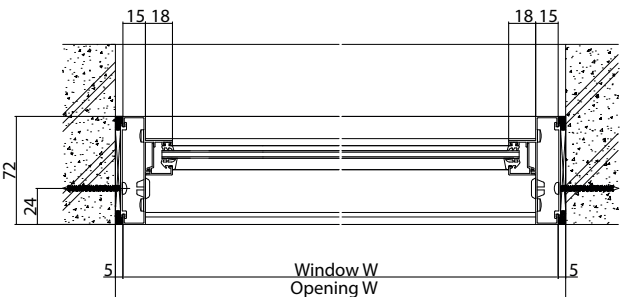
Horizontal section: Double Casement window with screen

WE 70

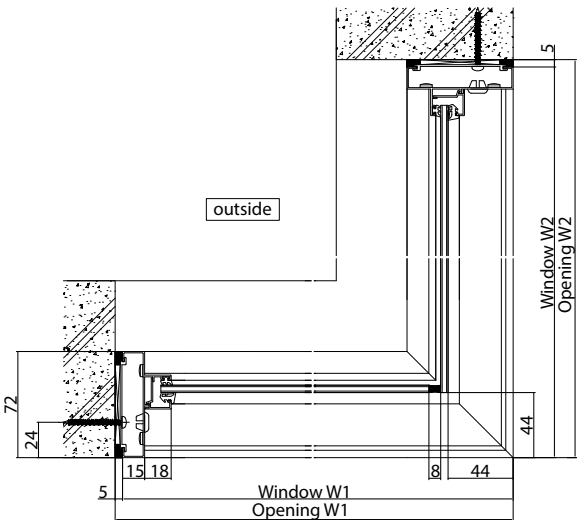
FIXED WINDOW



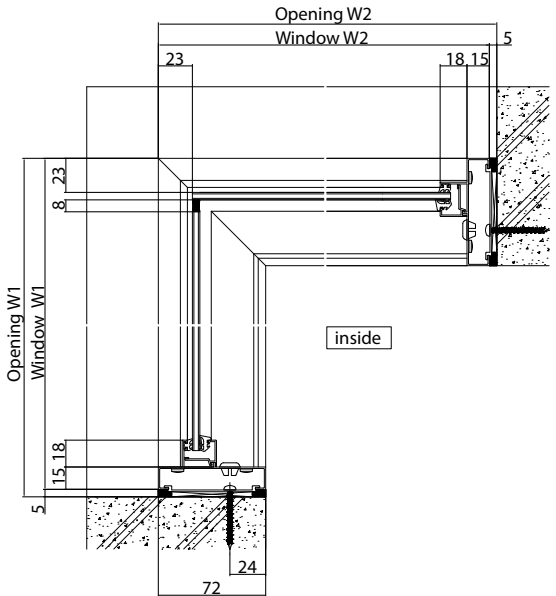
Vertical section: Single and corner fixed



Horizontal section: Single fixed



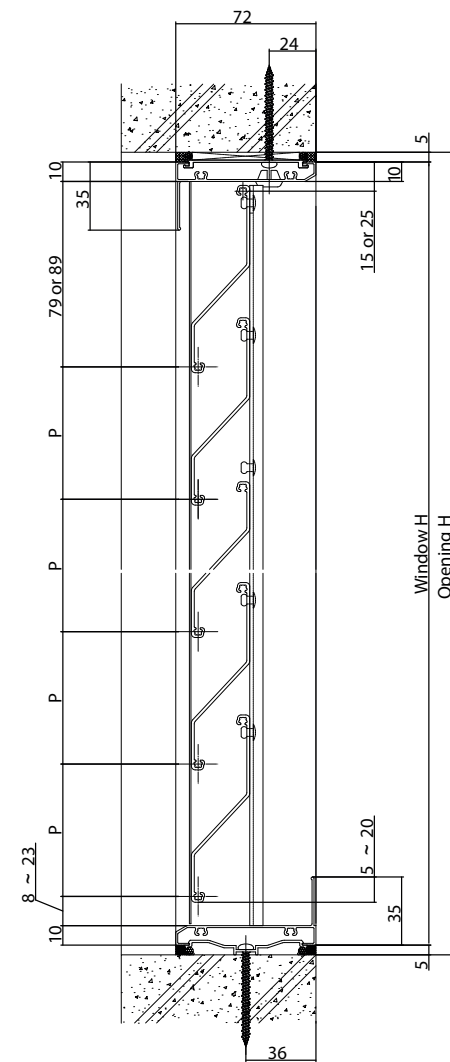
Horizontal section: Inward fixed



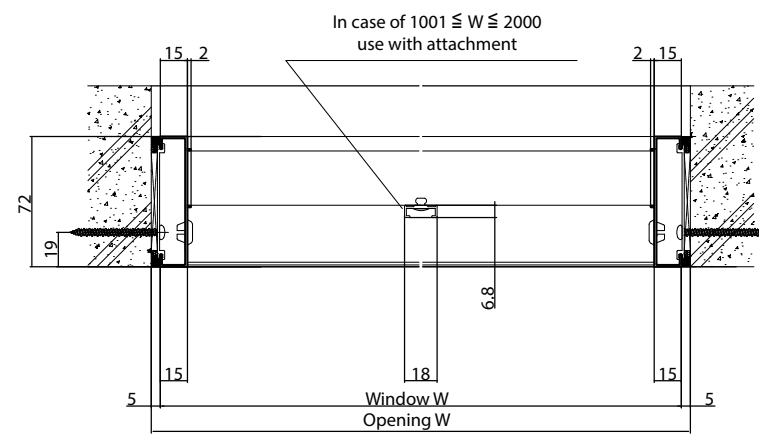
Horizontal section: Outward fixed

WE 70

ALUMINUM LOUVER



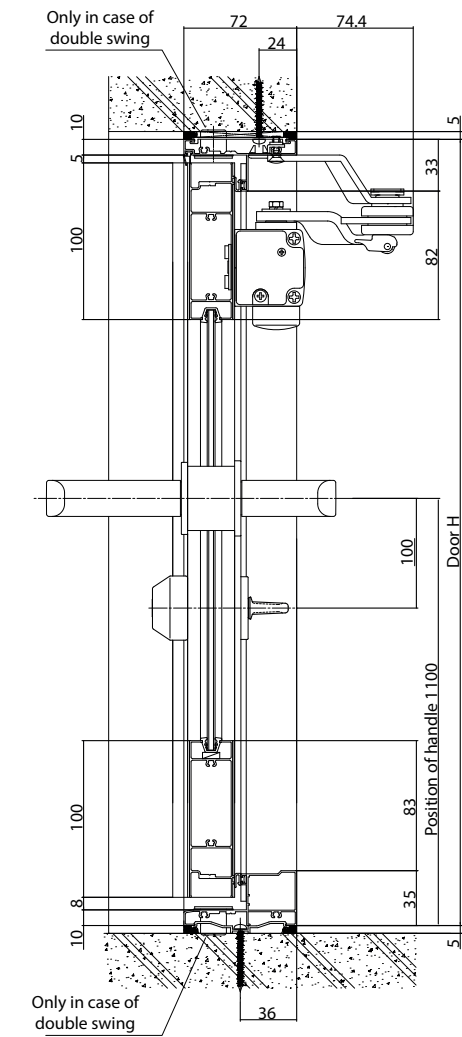
Vertical section: Aluminum louver



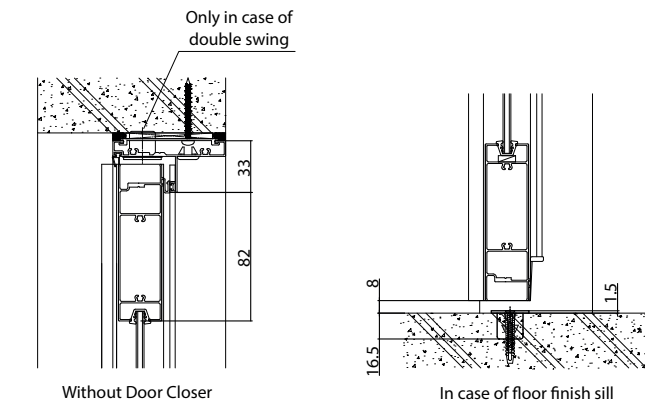
Horizontal section: Aluminum louver

WE 70

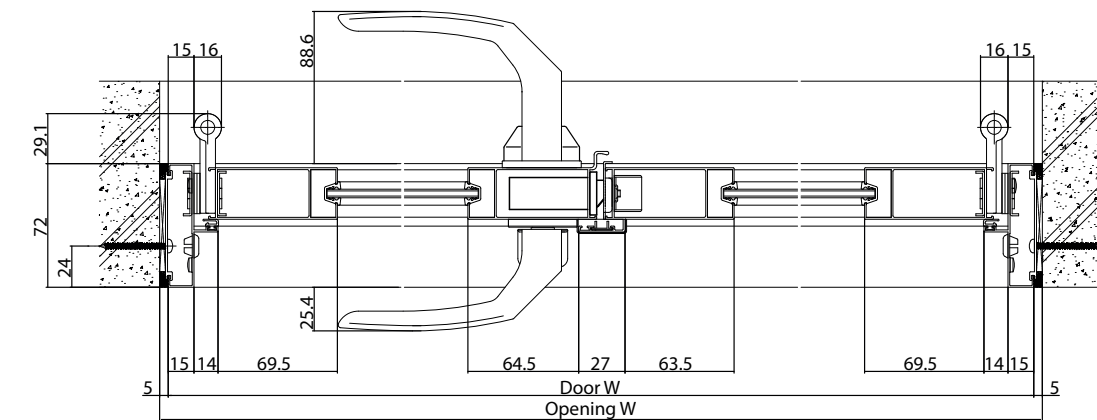
OUT-SWING & IN-SWING DOOR



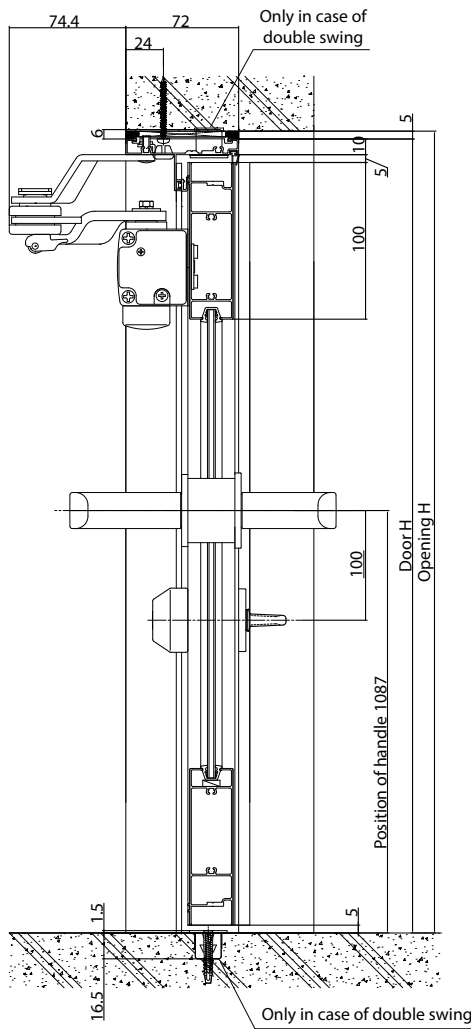
Vertical section: Single & Double out-swing door with sill



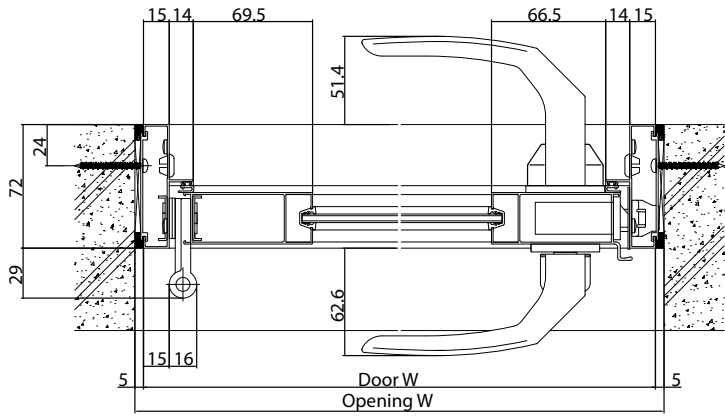
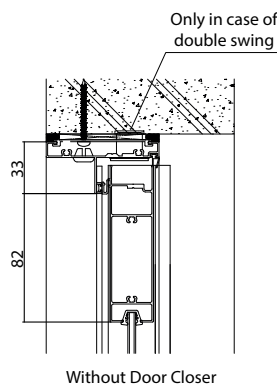
Horizontal section: Single out-swing door



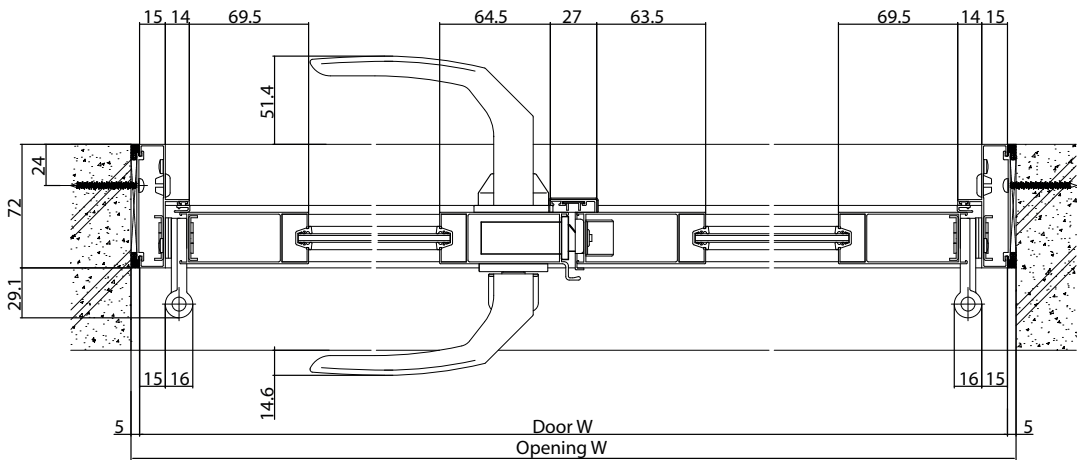
Horizontal section: Double out-swing door



Vertical section: Single & Double in-swing door



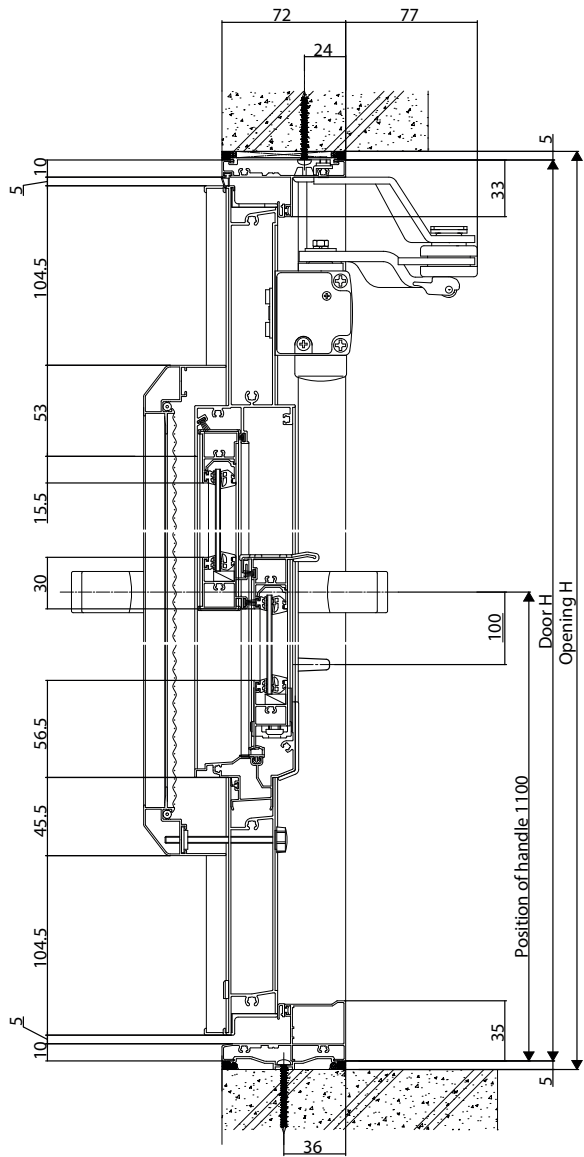
Horizontal section: Single in-swing door



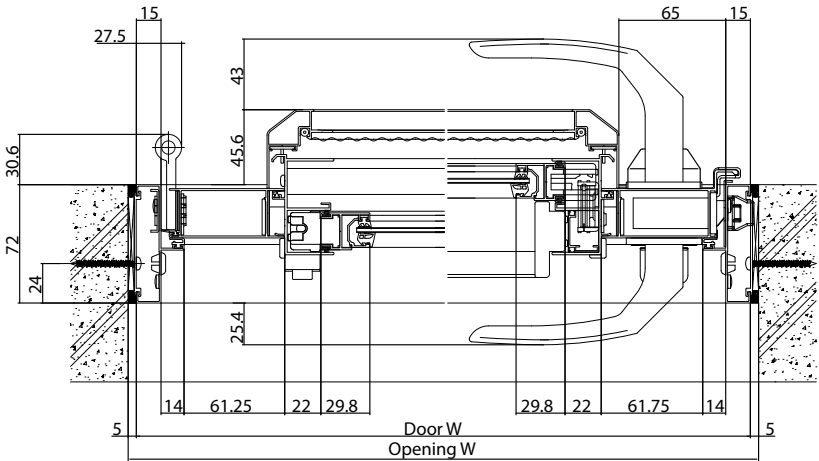
Horizontal section: Double in-swing door

WE 70

AIRFLOW DOOR



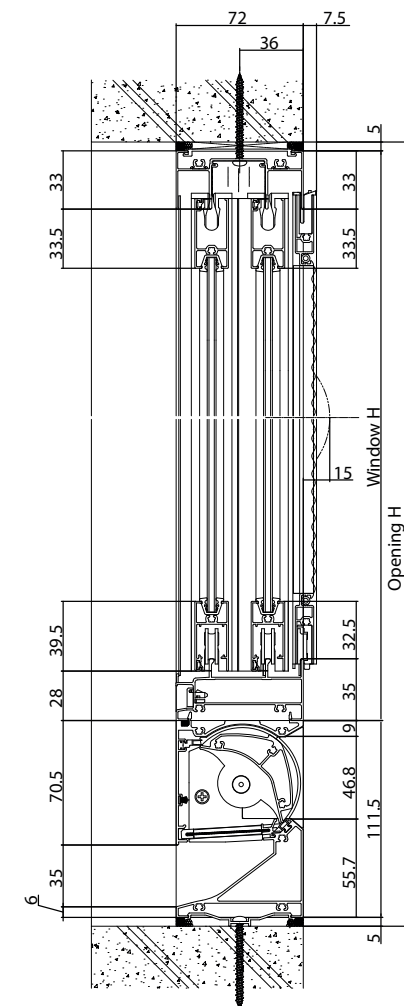
Vertical section: Airflow Door



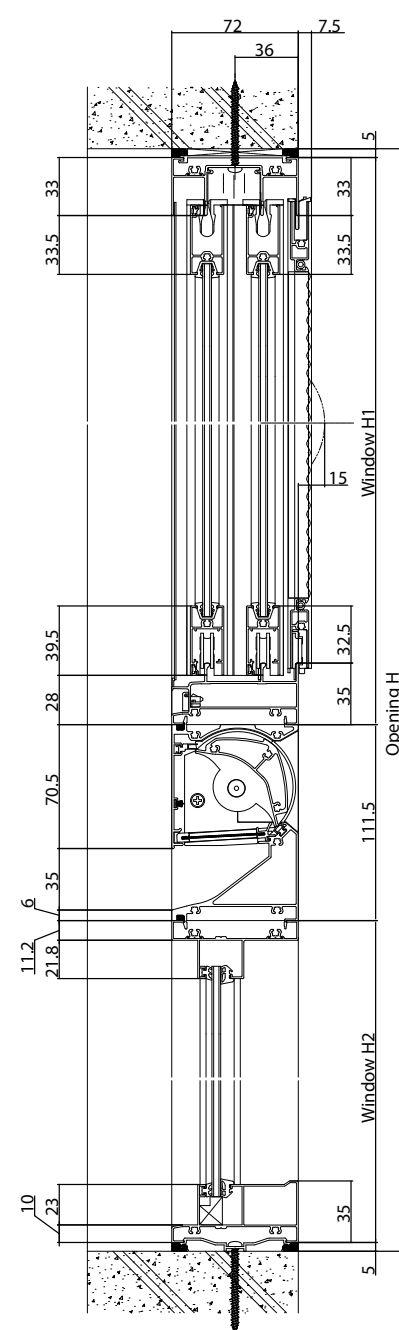
Horizontal section: Airflow Door

WE 70

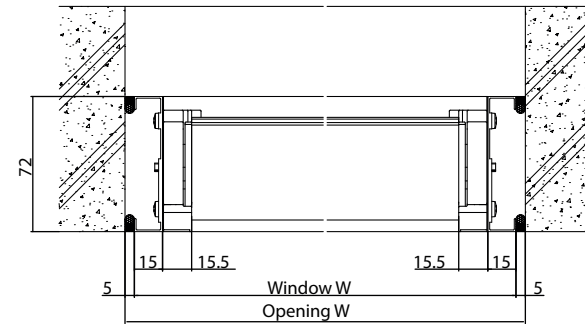
AIRFLOW SLOT



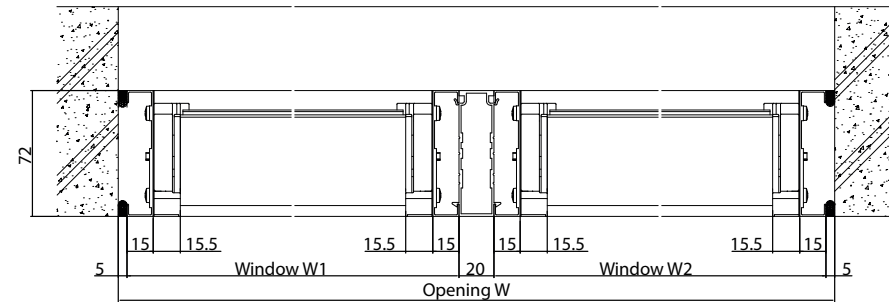
Vertical section: Airflow slot for bottom



Vertical section: Airflow slot for middle



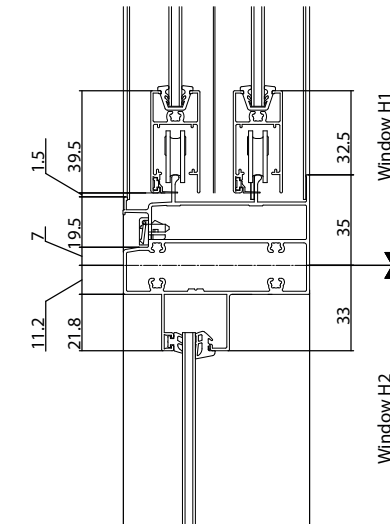
Horizontal section: Airflow slot



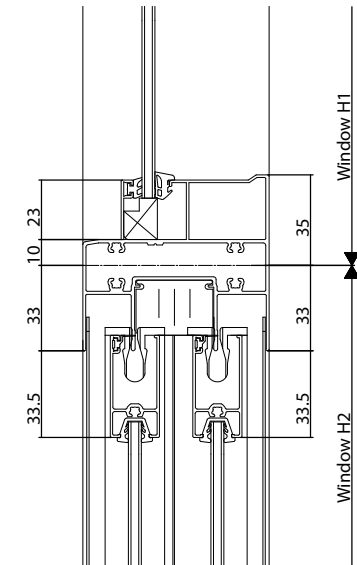
Horizontal section: Mullion for airflow slot

WE 70

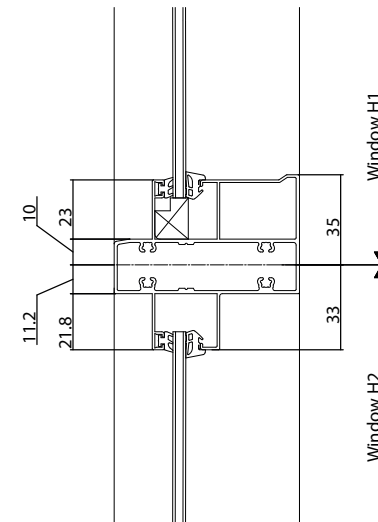
TRANSOM & MULLION



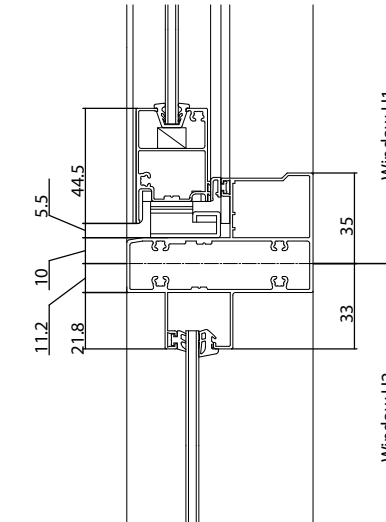
Vertical section: Sliding/Fixed transom



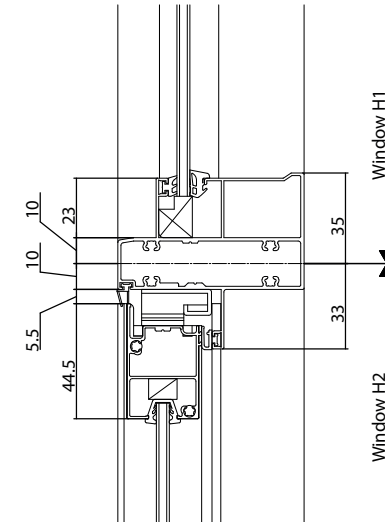
Vertical section: Fixed/Sliding transom



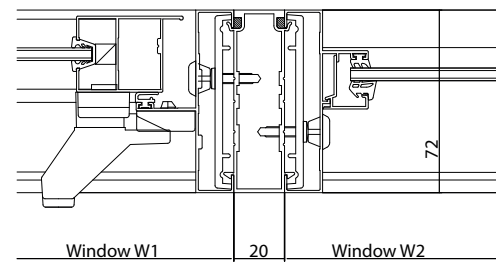
Vertical section: Fixed/Fixed transom



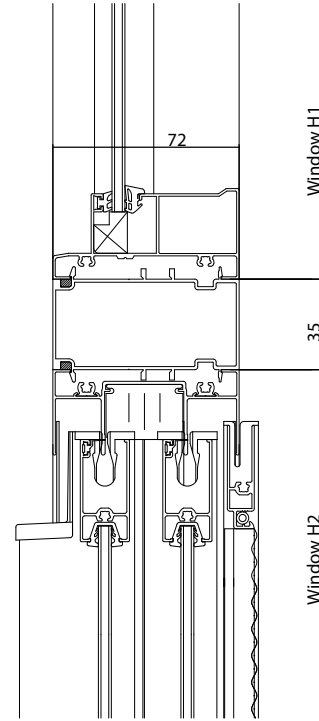
Vertical section: Projection/Fixed transom



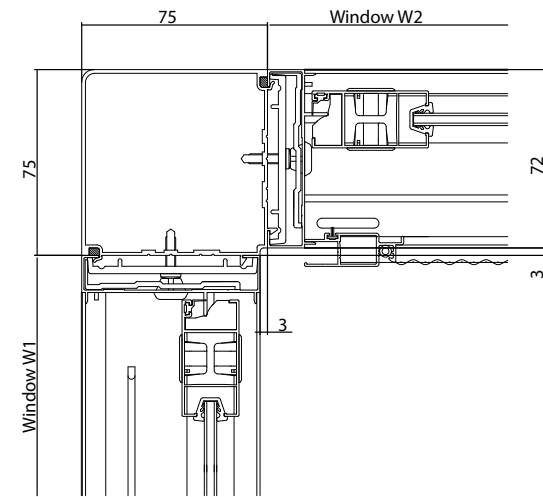
Vertical section: Fixed/Projection transom



Mullion



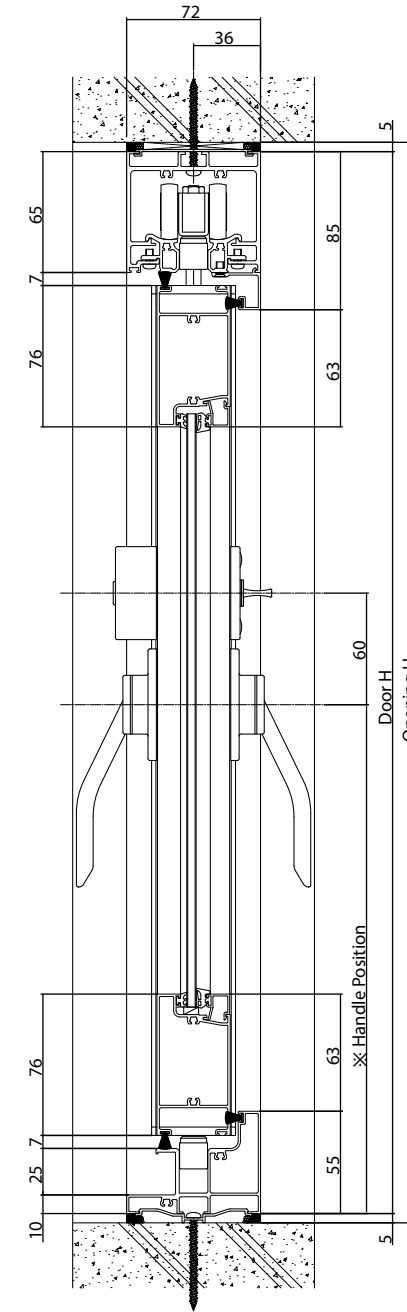
Transom



Corner mullion

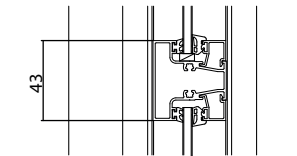
WE 70

FOLDING DOOR

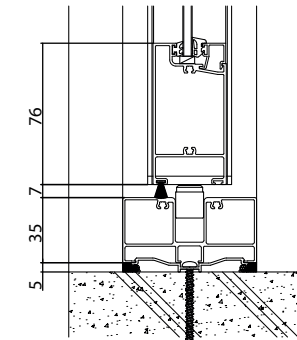


Vertical section: Folding Door

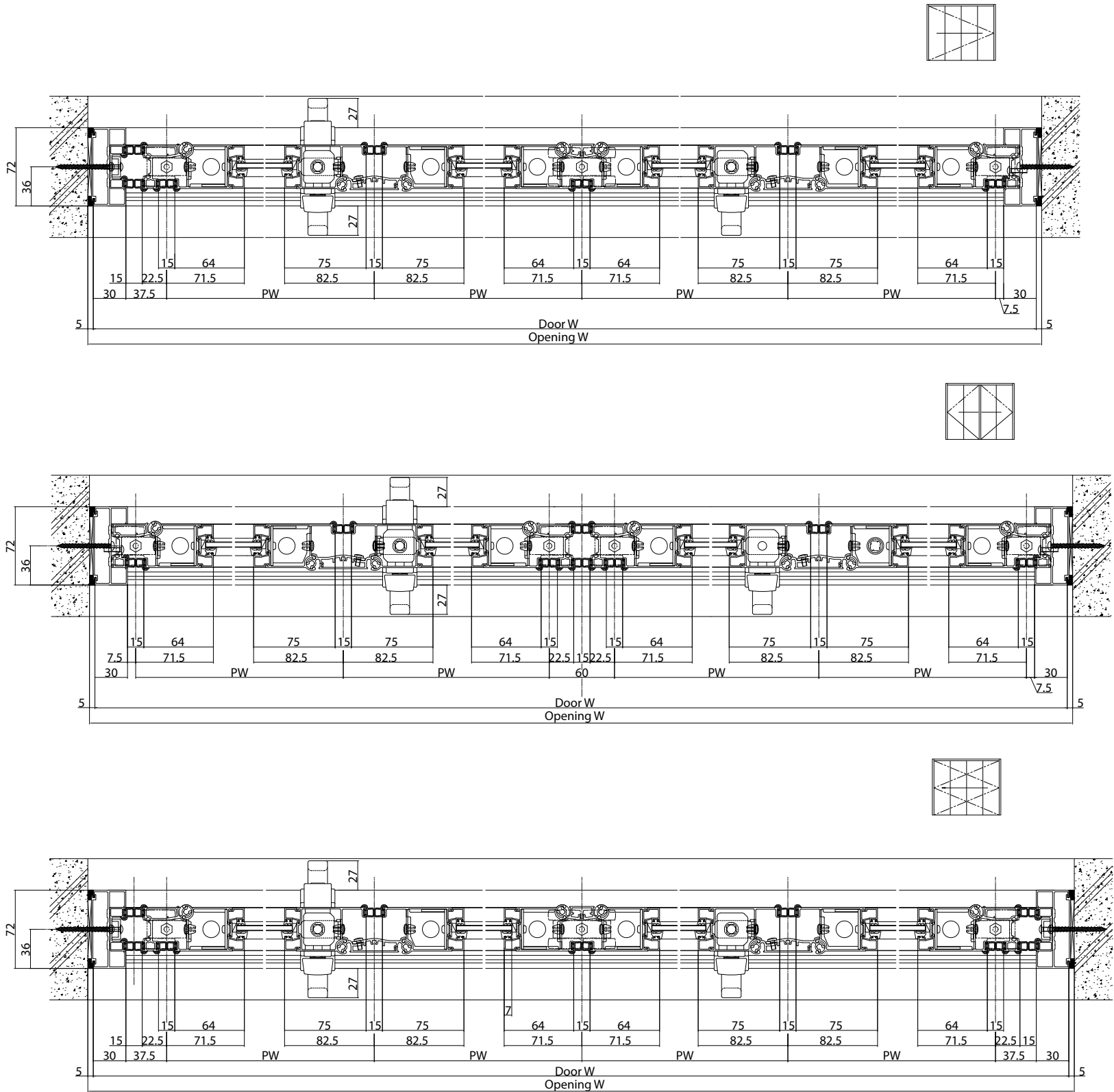
	※Handle Position
H > 1600	1100
H ≤ 1600	H/2-15



In case of with middle bar



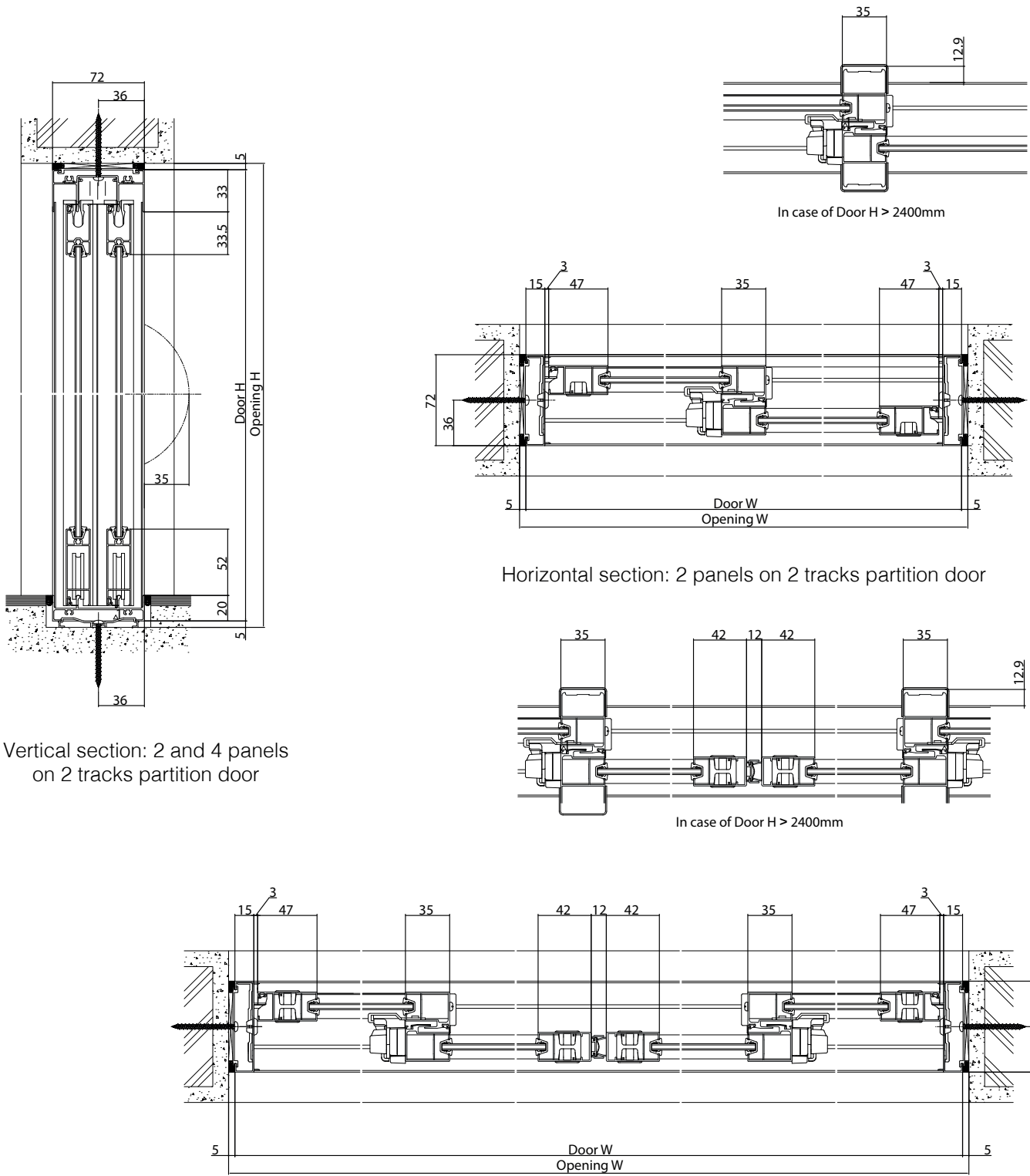
In case of flat sill



Horizontal section: Folding Door

WE 70

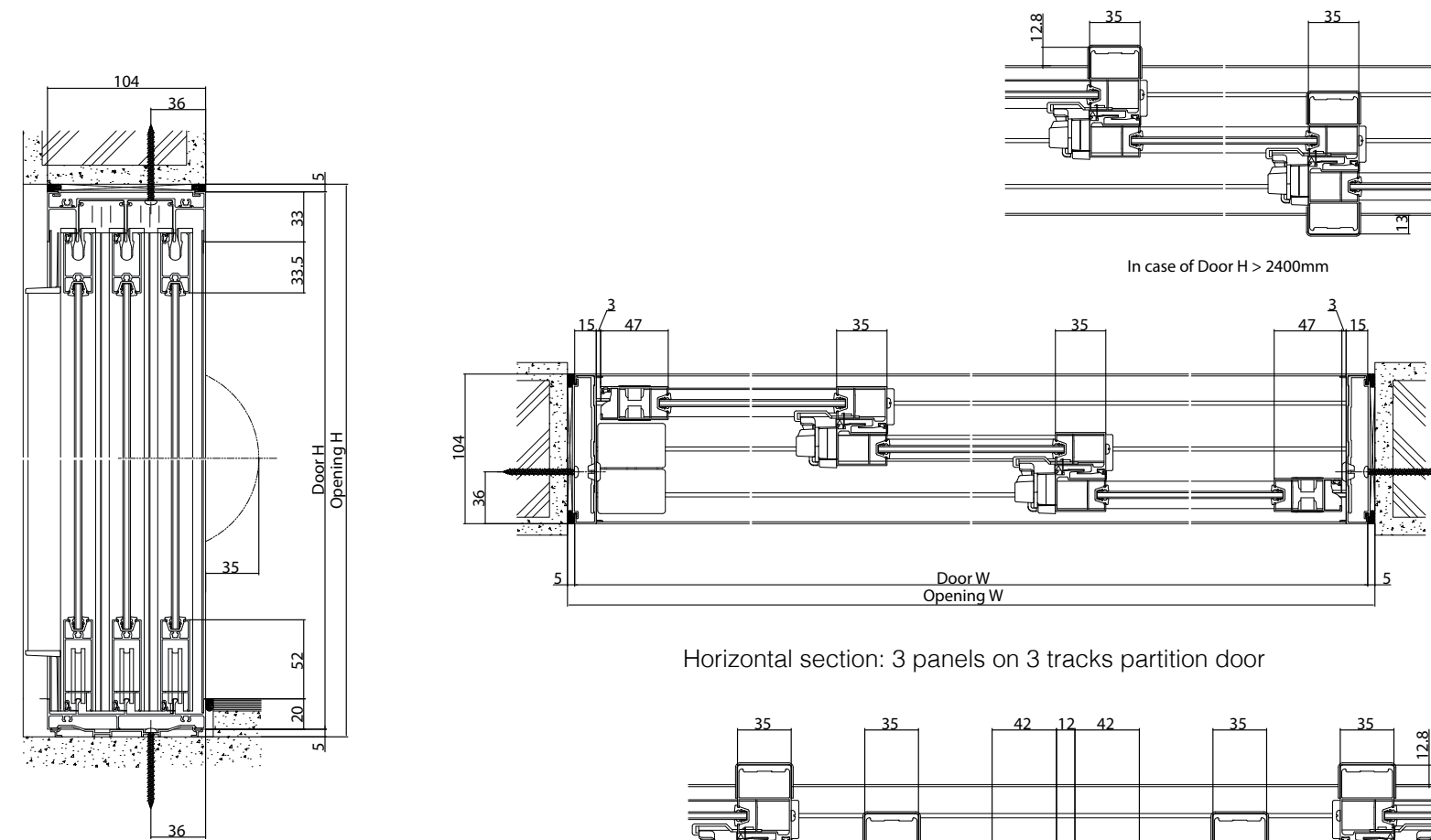
PARTITION DOOR (2P2T, 4P2T)



Horizontal section: 4 panels on 2 tracks partition door

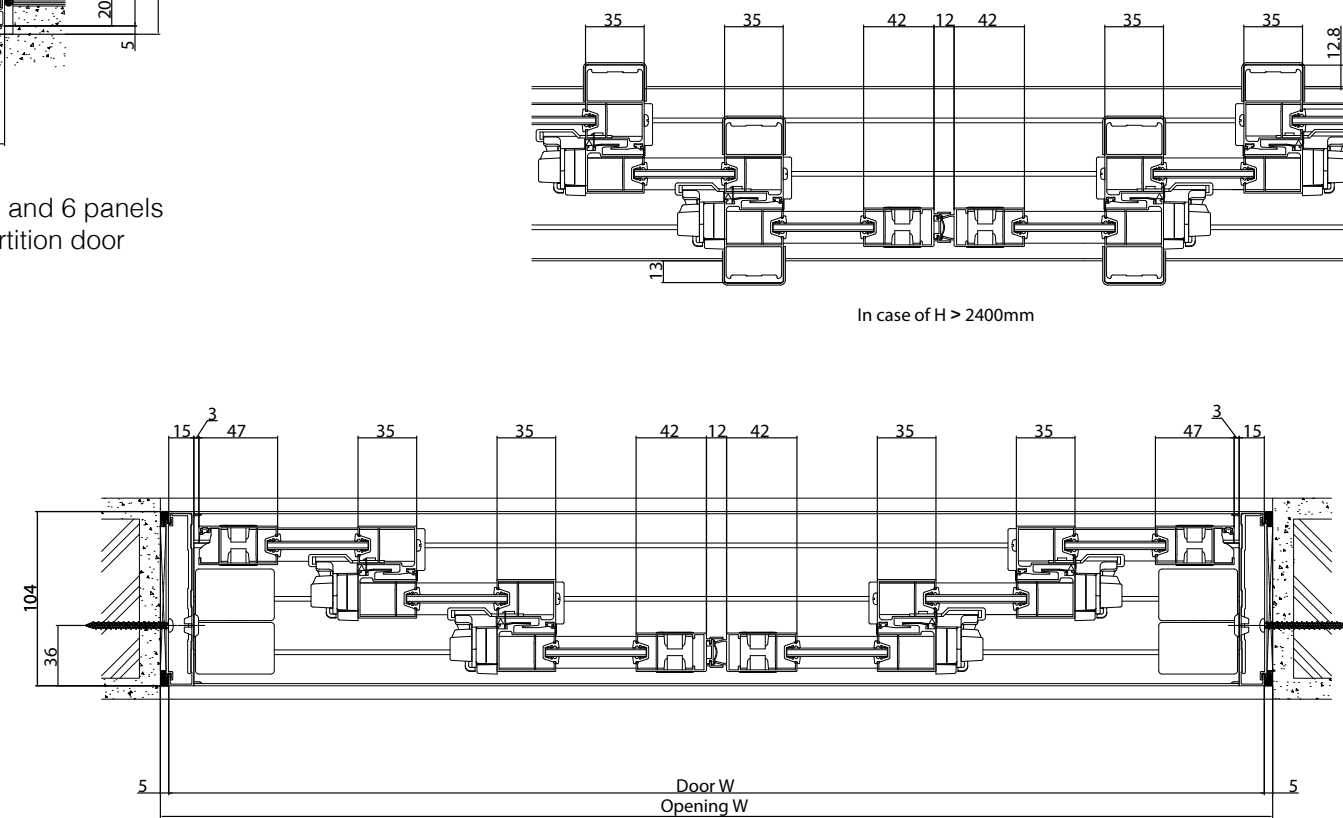
WE 70

PARTITION DOOR (3P3T, 6P3T)



In case of Door H > 2400mm

Horizontal section: 3 panels on 3 tracks partition door

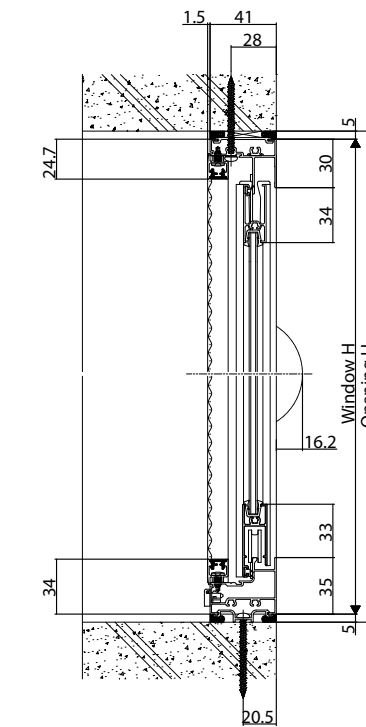
Vertical section: 3 and 6 panels
on 3 tracks partition door

In case of H > 2400mm

Horizontal section: 6 panels on 3 tracks partition door

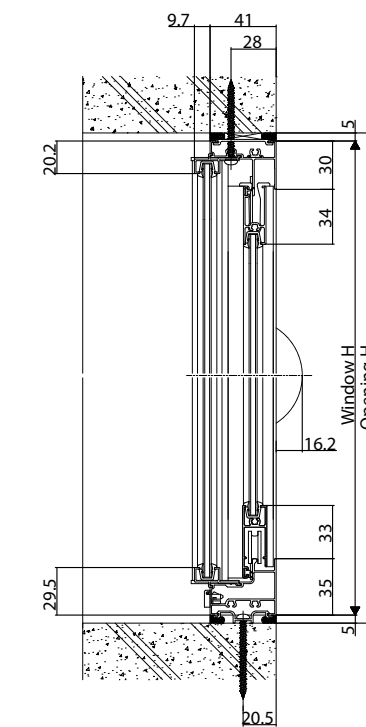
WE 40

SLIDING WINDOW



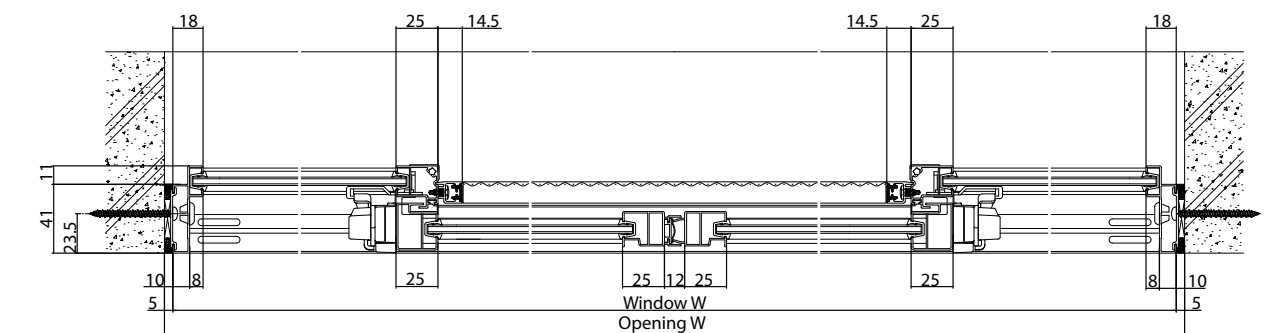
Horizontal section: Single sliding window

Vertical section: Single sliding (screen side)

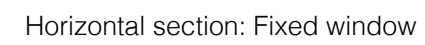
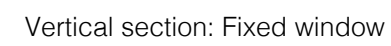


Horizontal section: Center sliding window

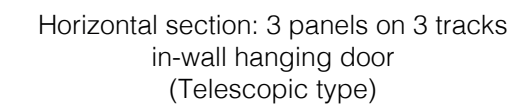
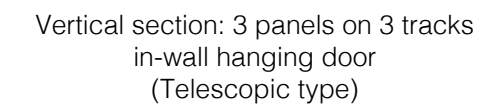
Vertical section: Single sliding window (panel side)



AWNING, CASEMENT, FIXED WINDOW

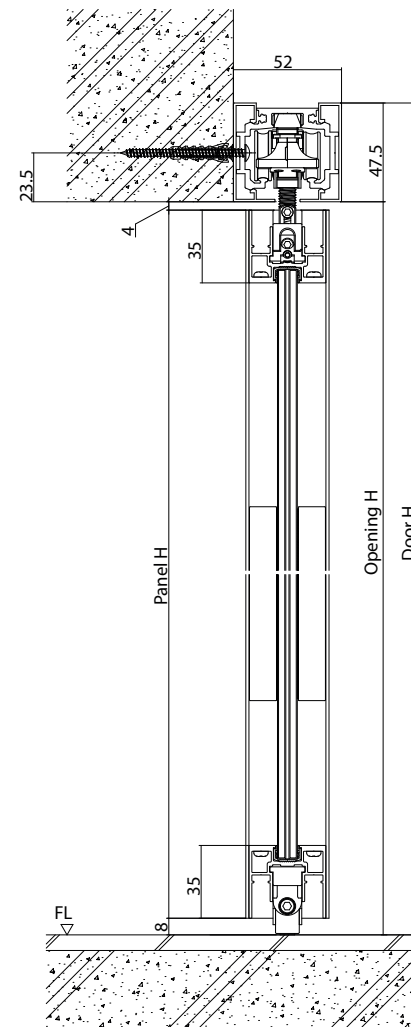


HANGING DOOR (3P3T)

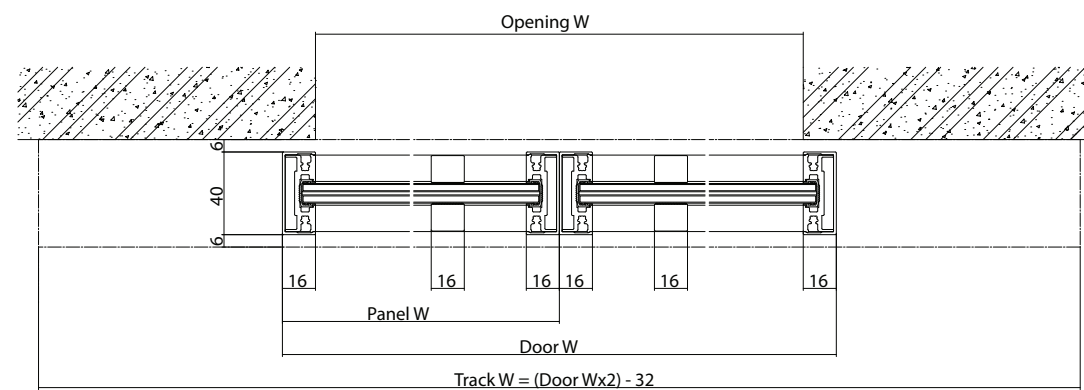


IN16

HANGING DOOR (2P1T)



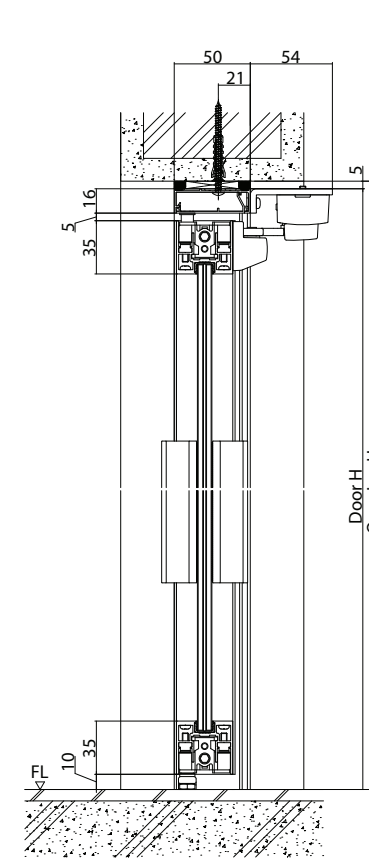
Vertical section: 2 panels on 1 track
on-wall hanging door
(Detached type)



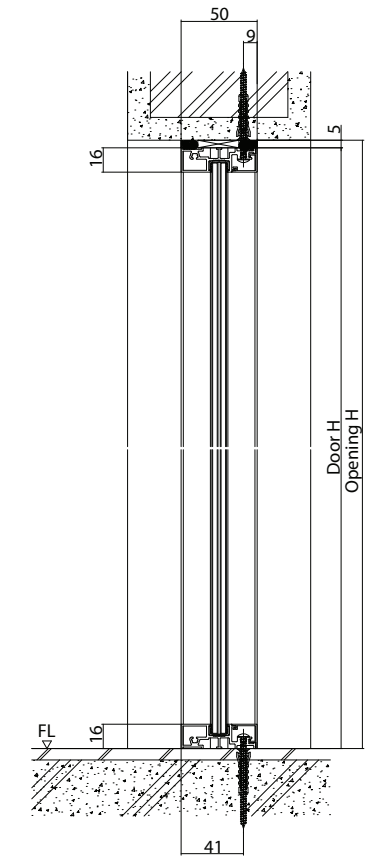
Horizontal section: 2 panels on 1 track
on-wall hanging door
(Detached type)

IN16

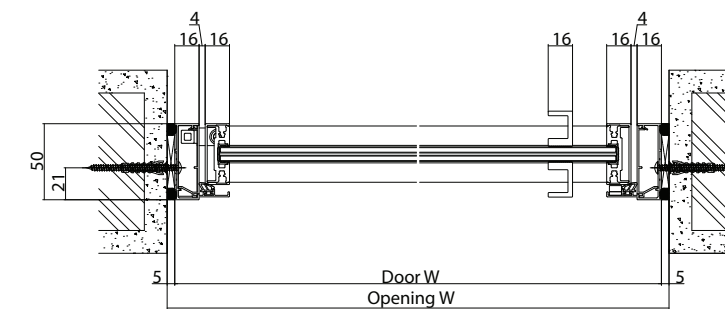
SWING DOOR, FIXED DIVIDER



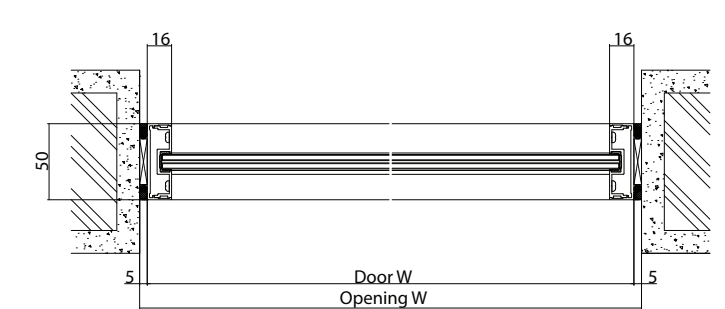
Vertical section: Swing door



Vertical section: Fixed divider



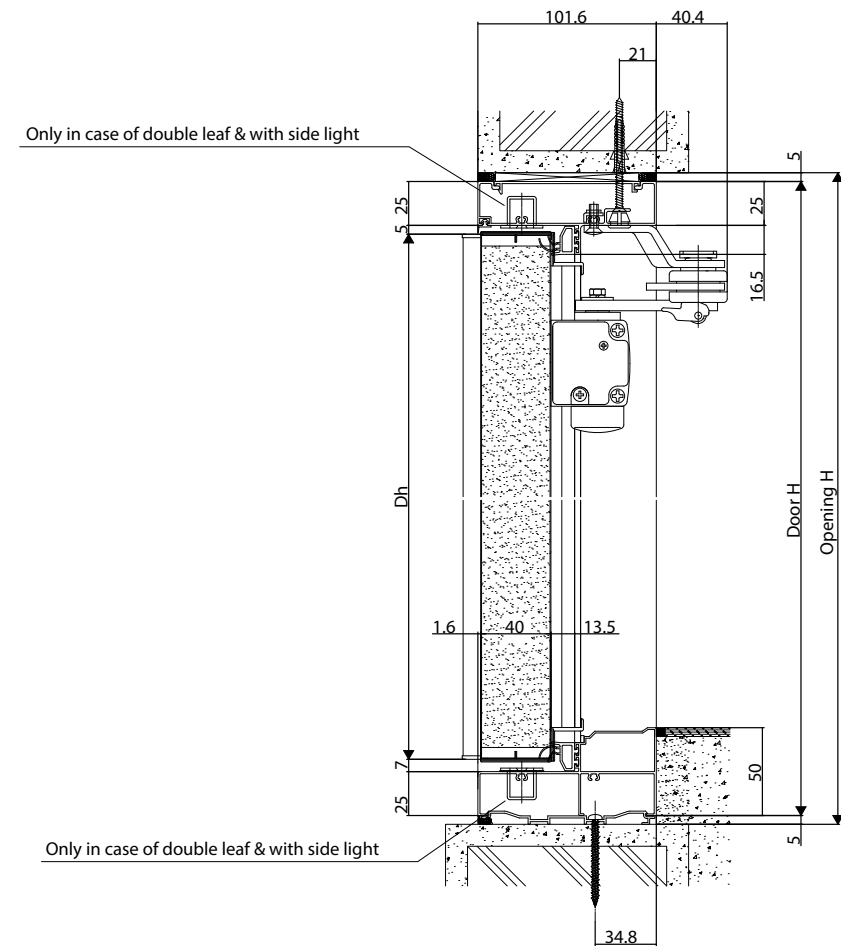
Horizontal section: Swing door



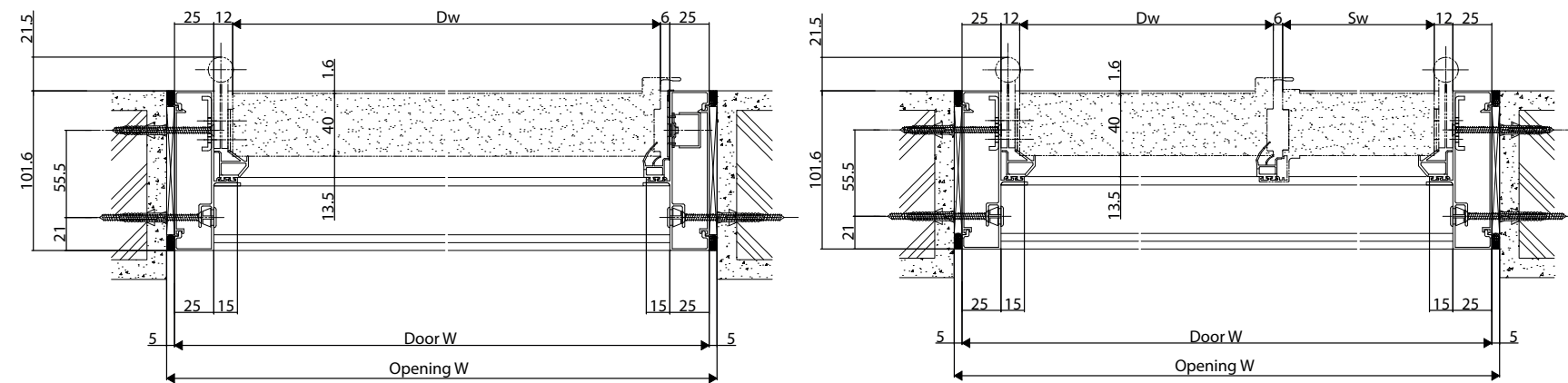
Horizontal section: Fixed divider

GIESTA

OUT-SWING DOOR



Vertical section: Single and Double leaf with sill

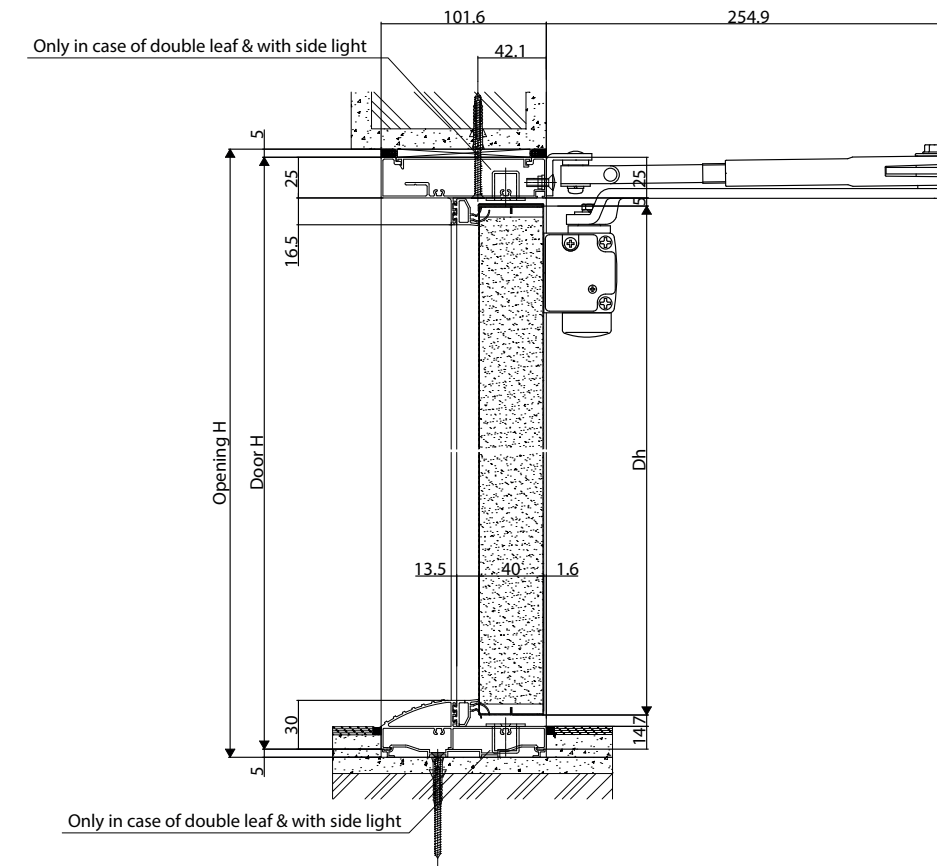


Horizontal section: Single leaf

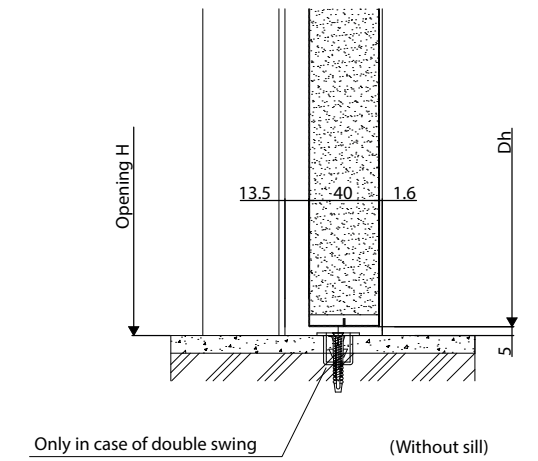
Horizontal section: Double leaf or with side light

GIESTA

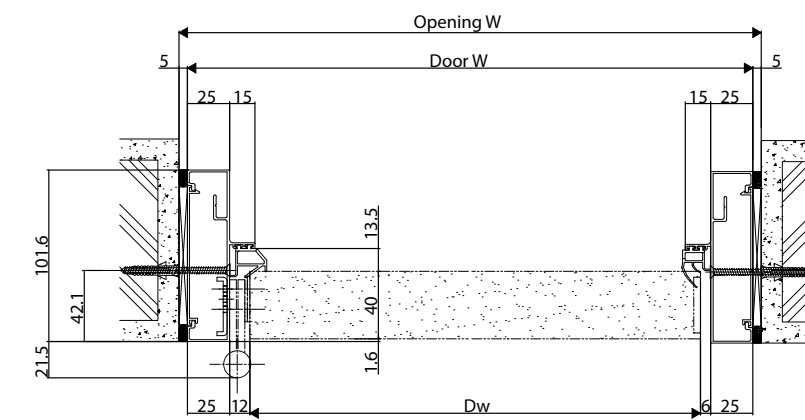
IN-SWING DOOR



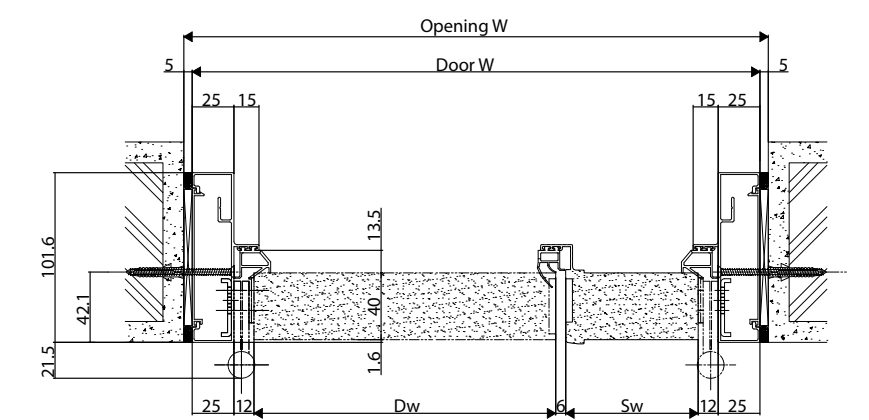
Vertical section: Single and Double leaf



Vertical section: Single and Double leaf



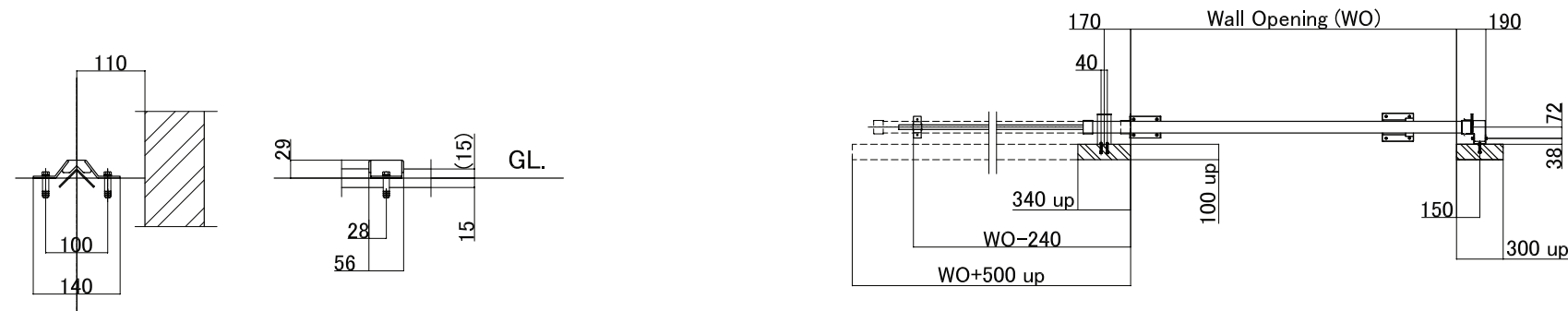
Horizontal section: Single leaf



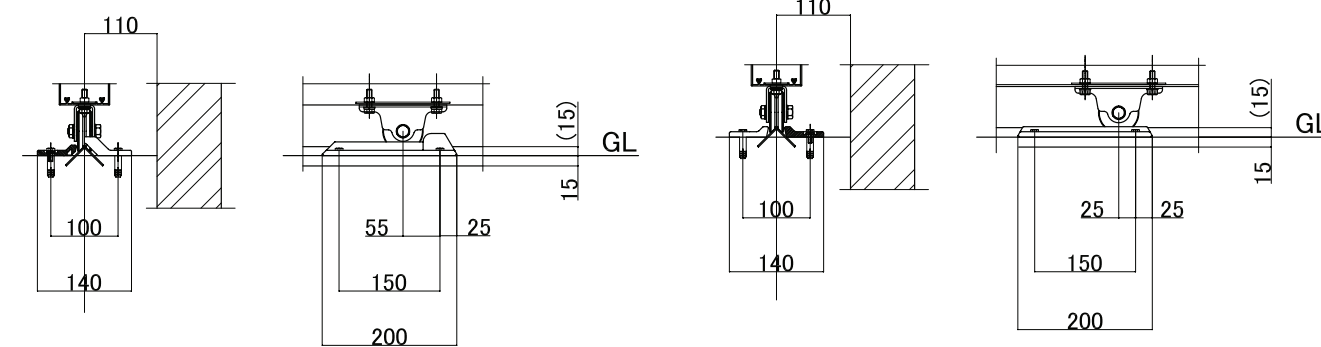
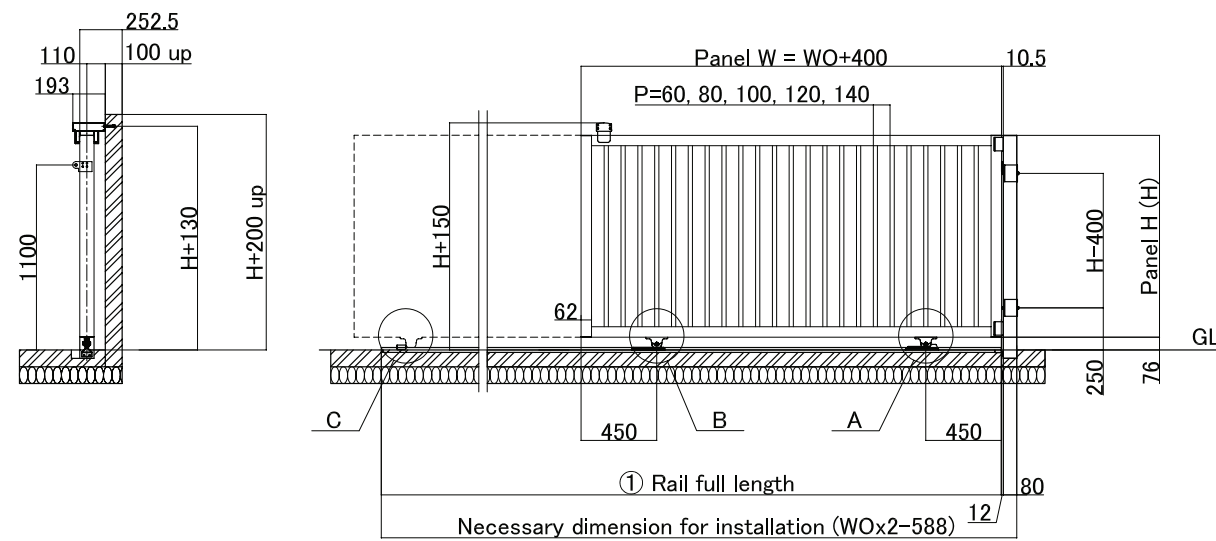
Horizontal section: Double leaf or with side light

EXTERIOR

ALUMINUM EXTERIOR SERIES



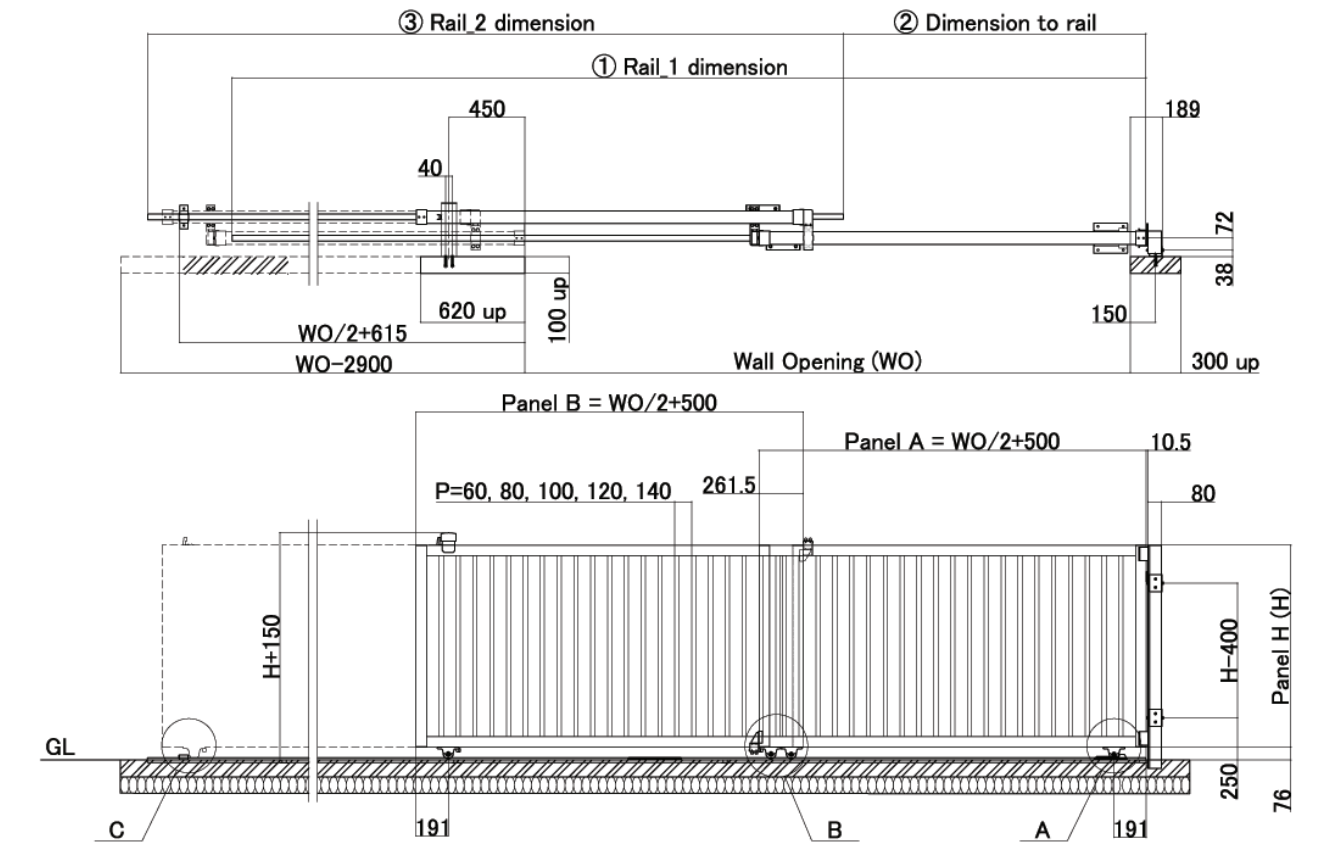
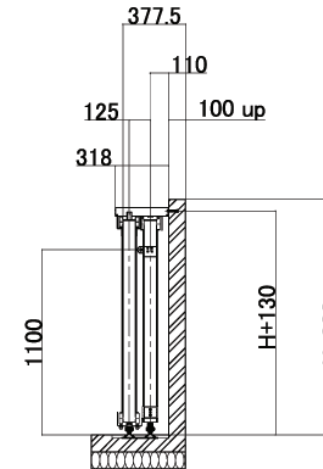
Stopper roller detailed drawing (C)



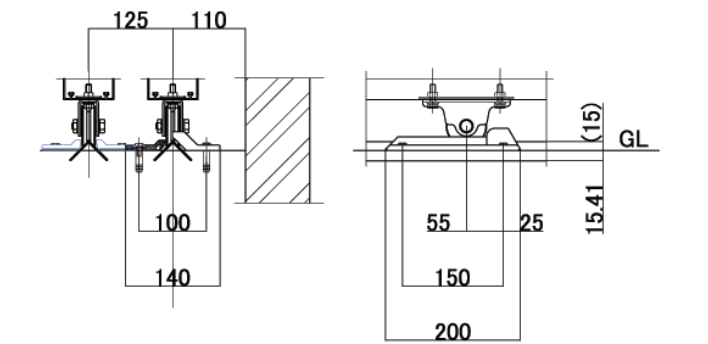
Roller detailed drawing (A)

Roller detailed drawing (B)

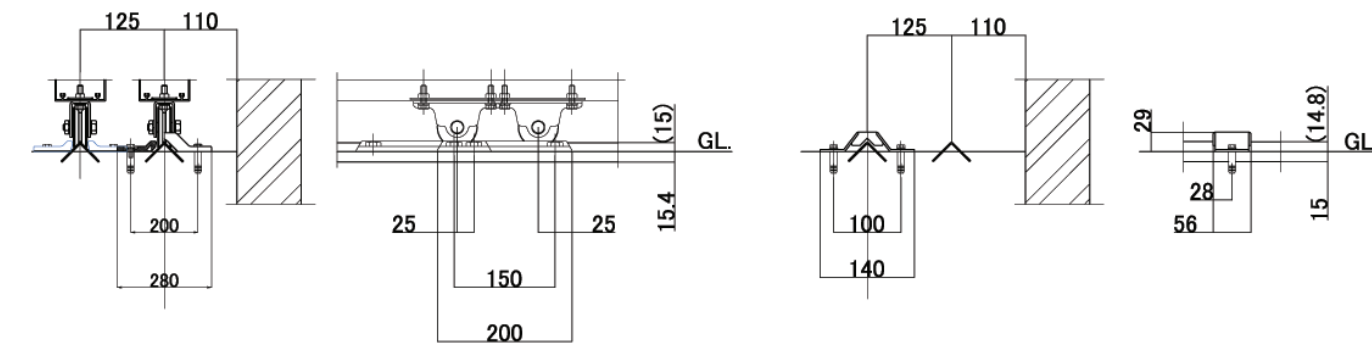
Lattice detailed drawing (D)



Wall Opening (WO)	① Rail Dimension (1)	② Dimension to rail	③ Rail Dimension (2)
5000+5500	9000	3000	3000
5501+6000	9500	3000	3000
6001+6500	10500	3500	3500
6501+7000	11000	3500	3500
7001+7500	12000	4000	4000
7501+8000	12500	4000	4000

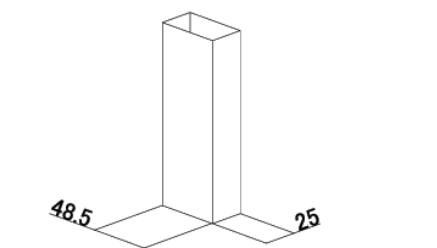


Roller detailed drawing (A)

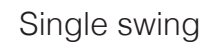


Roller detailed drawing (B)

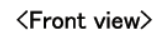
Stopper roller detailed drawing (C)



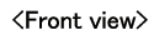
Lattice detailed drawing (D)



Wall thickness 150mm or more



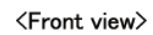
Wall thickness 100 to 150mm



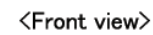
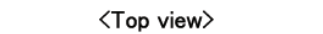
Hinge detail



H	a
1200-1299	(H+90)-315
1300-1475	(H+90)-465
1476-1600	(H+90)-665



Hinge detail



Dead bolt detail

