

TOSTEM

Framing the Beauty of Living

TABLE of CONTENTS

| | |
|-------------------------------|---------|
| CORPORATE PROFILE | 4 |
| TOSTEM BRAND | 6 |
| TOSTEM TOTAL HOUSING SOLUTION | 10-11 |
| COLOR PROCESSING | 12-13 |
| PRE ENGINEERED SYSTEM | 14-15 |
| L-FIT DESIGN | 16-17 |
| QUALITY ASSURANCE | 18-19 |
| TOSTEM AIRFLOW SYSTEM | 20-21 |
| TOSTEM WINDOW AND DOOR SERIES | 22-23 |
| PRODUCTS INDEX | 24-27 |
| WINDOW FOR HIGH RISE | 28-55 |
| GRANTS SERIES | 32-39 |
| ATIS PLUS SERIES | 40-45 |
| WE PLUS SERIES | 46-55 |
| WINDOW FOR LOW RISE | 56-89 |
| ATIS SERIES | 58-69 |
| WE 70 SERIES | 70-87 |
| WE 40 SERIES | 88-89 |
| INTERIOR SERIES | 90-93 |
| ENTRANCE DOOR | 94-111 |
| GIESTA SERIES | 96-111 |
| EXTERIOR | 112-121 |
| REFERENCE DRAWINGS | 122-199 |
| CONTACT | 202 |



TOSTEM BRAND

As the leading Japanese brand for global housing and building materials, TOSTEM stands apart as a one that deeply understands the needs of people. TOSTEM's comprehensive range of solutions ensures comfortable home living driven by a simple and seamless user experience. We develop our people-centric home solutions by drawing on a half-century of experience and expertise in balancing design and technology to anticipate the needs of people today and their families for generations to come. TOSTEM engages in product development, manufacturing, and marketing of a diverse range of home products, such as window sashes, entrance doors, and exterior products. Our product portfolio allows us to provide complete "Lifestyle Solutions" that are flexible, integrated, and coordinated to consumer needs, delivering everyday satisfaction.

เพราทอสเก็มเข้าใจในความต้องการของผู้ใช้งานอย่างแท้จริง เราจึงได้ก้าวขึ้นสู่แบรนด์ชั้นนำ สำหรับผลิตภัณฑ์อาคารที่อยู่อาศัยจากประเทศญี่ปุ่น โซลูชั่นครบวงจรของเราถูกออกแบบมา ให้ใช้งานง่ายและสะดวก ซึ่งโซลูชั่นที่ตอบโจทย์ความต้องการของผู้ใช้งานนี้ออกแบบโดยใช้ความ เชี่ยวชาญและประสบการณ์มีมากกว่าครึ่งศตวรรษพัฒนาเทคโนโลยีและสร้างนวัตกรรม ที่ สามารถตอบสนองความต้องการของผู้ใช้งานและสมาชิก ในครอบครัวในทุกยุคสมัย ทอสเก็ม มุ่งมั่นและทุ่มเทให้กับการพัฒนาผลิตภัณฑ์ การผลิต และการทำการตลาดผลิตภัณฑ์ที่หลากหลาย อาทิเช่น ประตู หน้าต่าง ประตูหน้าบ้าน ผลิตภัณฑ์นอกรั้วบ้าน กลุ่มผลิตภัณฑ์ที่มีอยู่ที่จะส่ง มอบ "โซลูชั่นที่ตอบรับกับไลฟ์สไตล์ (Lifestyle Solutions)" กี่เดือน ตอบสนอง การใช้งานร่วมกัน และตรงตามความต้องการของลูกค้าทุกครั้งที่ใช้งาน



FRAMING THE BEAUTY OF LIVING

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.

TOSTEM TOTAL HOUSING SOLUTION



TOSTEM engages in product development, manufacturing, and marketing of a diverse range of home products, such as window sashes, entrance doors, and exterior products. Our product portfolio allows us to provide complete "Lifestyle Solutions" that are flexible, integrated, and coordinated to consumer needs, delivering everyday satisfaction.

ໂກສເຖິງບຸນນັບແລະຖຸນໄທໃກ້ການພືມນາພລິຕົກນໍາ ກາຣົພົດ ແລະກາຣໍາການ ຕລາດພລິຕົກນໍາທີ່ຫລາກຫລາຍ ອາກີຊັນ ປະຕູ ໄຫ້ຕ່າງ ປະຕູໜ້າບັນ ພລິຕົກນໍາ ນອກຕົວບ້ານ ກລຸມພລິຕົກນໍາທີ່ເອັນຈະສົ່ງນອບ ໃຊ້ລູ້ຊັບທີ່ຕອບຮັບກັບໄລ໌ຟໄຕສ (Lifestyle Solutions) ທີ່ຢືດຫຼຸ່ມ ດອບສົນກາຣໃຊ້ງານຮ່ວມກັນ ແລະທຽນຕາມ ຄວາມຕ້ອງກາຣຂອງລູກຄ້າທຸກຄົງທີ່ໃຊ້ງານ

WINDOWS & DOORS

Let our aluminum windows and doors frame your world. Our windows and doors come in a variety of sturdy frames to offer you effortless maintenance, years of satisfied use and of course, a great view.

ປະຕູໜ້າຕ່າງ

ໃຫ້ໜ້າຕ່າງແລະປະຕູອະລຸນີເຢີນຂອງເຮົາຍ່ອໂລກກັ້ນໃບໃຫ້ເລືກອົງເພື່ອຄຸນ ດ້ວຍຄວາມຫລາກຫລາຍແລະຄຸນກາພວ່ອງພລິຕົກນໍາທີ່ເຮົາມ ຂ່ວຍຍື່ດອຍໆຂອງກາຣໃຊ້ງານໃຫ້ມີປະສົກກາພນາກັນ ໃຫ້ຄຸນເກີດຄວາມພຶ່ງພອໃຈ ແລະມອງເຫັນກັນນີ້ກາພໄດ້ຕ້ັນ ອ່າຍ່ານໄມ້ບໍ່ເຫຼື່ອ

ENTRANCE DOOR

Stepping into your home should make you relieved, comfortable, and happy. GIESTA high quality wood-pattern or metallic finish door, 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.

ປະຕູໜ້າບັນ

ໃຫ້ທຸກຄົງທີ່ຄຸນກ້າວເຫັນບັນ ເຕັມໄປດ້ວຍຄວາມຮູ້ສັກທີ່ຝ່ອນຄລາຍແລະນີ້ຄວາມສຸກ ທີ່ສຸດ ກັບປະຕູໜ້າບັນໄໝ້ເຫຼື່ອປະຕູໂລະສໍາເລີ້ຈຸປຸນກາພສູງຂອງ GIESTA ດ້ວຍ ດ້າມຈັບທີ່ໃຊ້ງານງ່າຍມາພຮ້ອນກັບຮະບບປ້ອງກັນຄວາມປລອດກົງສູງ ທີ່ຂ່ວຍເພີ່ມ ຄວາມສະດວກສາຍໃຫ້ກຮອບກັນຄຸນແລະຜູ້ທີ່ນຳເຢືນໄດ້ຮູ້ສັກອຸ່ນໃຈທຸກຄົງ

EXTERIOR

FENCE & GATE is a perfect fencing choice for your residence. Our fence and gate solution will enhance the look, feel and overall value of your property, and provide you with the safety and security that your family needs.

ພລິຕົກນໍາທີ່ນອກຕົວບ້ານ

ປະຕູຮັວສໍາເລີ້ຈຸປຸນ ເປັນອັກເນີ້ນກາງເລືອກທີ່ຂ່ວຍໃຫ້ບັນຂອງຄຸນນີ້ໃຫຍ່ທີ່ສົມບູຮນົມ ລົງຕົວ ອັກກັງຍັງຂ່ວຍເສັນໃຫ້ນັກພລິຕົກນໍາທີ່ໂດດເດັ່ນ ສິ່ງມາພຮ້ອນກັບຮະບບປ້ອງກັນ ຄວາມປລອດກົງທີ່ຄ່ອບຄັວງອັນດີຮູ້ສັກອຸ່ນໃຈທຸກຄົງ

IVORY WHITE

NATURAL WHITE

NATURAL SILVER

SHINE GREY

AUTUMN BROWN

NATURAL BLACK

COLOR PROCESSING

Maximizing the strength and beauty of aluminium

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

Benefit of TEXGUARD

- Color retention - TEXGUARD protect the aluminium against harsh environmental conditions, making the color gloss stay for at least 40 years.
- Increased hardness - Dense coating of TEXGUARD improve hardness and provides scratch resistance for the aluminium surface.
- Ease of cleaning - Dust and dirt accumulation resistance quality of TEXGUARD makes the task of cleaning the surface less effort.

ເພຍຄວາມເໜັງແຮງແລະຄວາມນາມກໍທ້າງຈິງຂອງອະລຸນີເນີຍນ

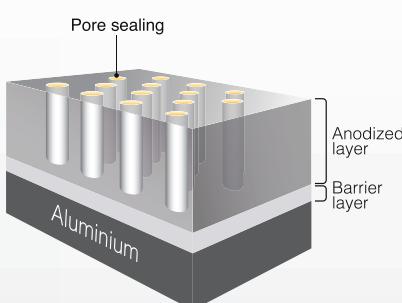
ພັບຜົວຊັບອະໂນໂດືພຣອມສັນເຄລືອບ TEXGUARD ເອກລັກຜົນຂອງກອສເກີນ ຂ່າຍປັກປ້ອງພັບຜົວອະລຸນີເນີຍນແລະເພຍໃຫ້ເຫັນຄວາມເງານຂອງອະລຸນີເນີຍນມີໃຫ້ເລືອກຫາຍສີເໜານະກັບທຸກດີໃຫ້ເກີນໄດ້ໃຫ້ພລິຕກັນໜ້ອຍໆຢ່າງຍາວນາໄຮກັງວລ

ປະໂຍບນໍ TEXGUARD

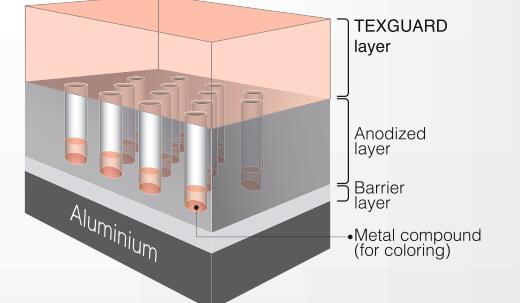
- ປັບກັນສີສົດຈາງ - TEXGUARD ຂ່າຍປັກປ້ອງອະລຸນີເນີຍນຈາກສກາພແວດສ້ອນຮຸນແຮງ ຄົງຄວາມເງານຂອງສີໄວໄດ້ນານກວ່າ 40 ປີ
- ເສຣີນຄວາມເໜັງແຮງໃຫ້ອະລຸນີເນີຍນ - ກາຣຄລືອບ TEXGUARD ຈະໜ່ວຍໃຫ້ພັບຜົວອະລຸນີເນີຍນເໜັງແຮງ ຊັ້ນແລະປັບກັນຮອຍໜຶດໜ່ວນບນພັນຜົວອະລຸນີເນີຍນ
- ກຳຄວາມສະວາດກ່າຍ - TEXGUARD ມີຄຸນສມບັດປ້ອງກັນກາຣສະສມອງຝູນແລະສິ່ງສົກປຣກ ກຳໄໝກາຣກຳຄວາມສະວາດພັນຜົວອະລຸນີເນີຍນກ່າຍກວ່າເດີບ

Certification / ໃນຮັບຮອງ

JIS H4100 (No.TH9009), JIS H8602 (No. TH9010), TIS 218-2520,
TIS 284-2530, AAMA 612, ISO 9001: 2015 (No. TH98/4848),
ISO 14001: 2004 (No. TH60/2399)



CONVENTIONAL ANODIZE



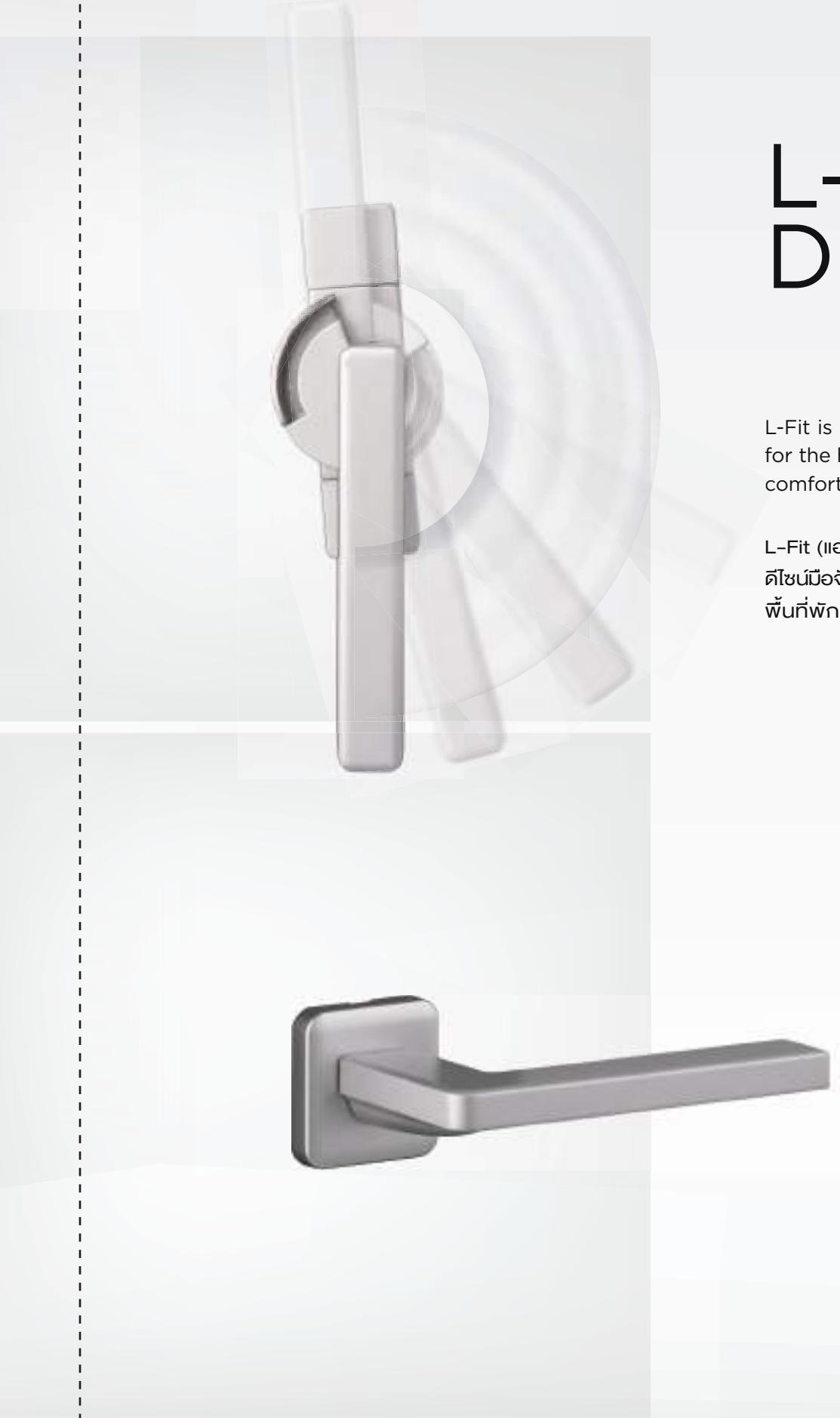
TOSTEM TEXGUARD ANODIZE

PRE ENGINEERED SYSTEM

All products of TOSTEM are developed and designed, manufactured and assembled under an integrated production process with strict TOSTEM quality control. Extrusion dies, aluminum billet, extrusion profiles, coating, pre-engineered and hardware assembly processes are all done in TOSTEM's factory. The greatest benefit of TOSTEM's pre-engineered system is the ability to build windows with consistent quality. With a single screw driver, anyone can again and again consistently build the same high-quality window system.

ผลิตภัณฑ์จากท่อสเกิมถูกพัฒนา ออกแบบ ผลิต และประกอบเสร็จภายในโรงงานคุณภาพอย่างเข้มงวดเฉพาะของท่อสเกิม เราเน้นการผลิตภายในประเทศไทย ซึ่งดำเนินการผลิตแบบครบวงจร ตั้งแต่การผลิตแม่พิมพ์ และบีลสีต่อสู่อุปกรณ์เบี่ยงเส้น การขับสี การตัดอะลูมิเนียมเส้นและประกอบเป็นประตู หน้าต่าง พร้อมติดตั้งอุปกรณ์อย่างครบถ้วนใช้งานประโยชน์สูงสุดของท่อสเกิมคือ ทุกโครงการจะได้รับผลิตภัณฑ์ประตู หน้าต่างที่มีมาตรฐานคุณภาพที่สม่ำเสมอ กันทุกชุดทุกโครงการสามารถสร้างระบบประตูหน้าต่างคุณภาพสูงได้เหมือนกันด้วยไขควงเพียงหนึ่งอัน เราและระบบของเรามีความมุ่งมั่นที่จะบรรลุความเป็นเลิศในทุกขั้นตอนการผลิต





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 (เอลฟิต) เมื่อจับที่ถูกออกแบบมาให้ “พอดี (Fit)” กับ “การใช้ชีวิต (Living life)” หลักการดีไซน์เมื่อจับสำหรับหน้าต่างและประตูทั้งภายในและภายนอกที่ให้ความรู้สึกกลมกลืนเป็นหนึ่งเดียวกับพื้นที่พักอาศัย และสร้างความสะดวกสบายในการใช้งาน

QUALITY ASSURANCE

Quality and standard is the core of TOSTEM product. Japan is well-known for their rigorous standard control by Quality Assurance and Quality Control systems to ensure that the product meets international industrial standard: Japanese Industrial Standard (JIS) and ASTM International.

มาตรฐานและคุณภาพคือหัวใจสำคัญของประตูหน้าต่างกอสเก็บ และประตูเกลี่ยบูนก็ขึ้นชื่อเรื่องความเข้มงวดในการควบคุมมาตรฐานด้วยระบบ Quality Assurance (การประกันคุณภาพ) และ Quality Control (การควบคุมคุณภาพ) ให้ได้มาตรฐานผลิตภัณฑ์อุตสาหกรรมในระดับสากล Japanese Industrial Standards (JIS) และ ASTM International



WATER PENETRATION TESTING

ทดสอบการป้องกันการรั่วซึมของน้ำ

SOUND INSULATION TESTING

ทดสอบการป้องกันเสียงรบกวน

AIR LEAKAGE TESTING

ทดสอบการรั่วไหหลังของอากาศ

STRUCTURAL PERFORMANCE TESTING

ทดสอบความแข็งแรงของโครงสร้าง

DURABILITY TESTING

ทดสอบความทนทาน

ENVIRONMENTAL TESTING

ทดสอบคุณสมบัติในการต้านทานการรั่วไหหลังของอุณหภูมิจากนอกบ้านเข้ามายังบ้าน

LIGHT IRRADIATION TESTING

ทดสอบความทนทานต่อสภาพแวดล้อม (ความร้อนจากแสงอินฟราเรด)

SUNSHINE WEATHER TESTING

ทดสอบความทนทานต่อสภาพแวดล้อม (แสงแดดและรังสียูวี)



TOSTEM AIRFLOW SYSTEM

TOSTEM Airflow System includes GIESTA AirFlow : steel wooden pattern door with integrated ventilation, AirFlow Door: ventilation door with sliding window for multiple ventilation levels and AirFlow Slot: slot for ventilation with flap in top-notch design compatible with various TOSTEM window designs seamlessly.

TOSTEM Airflow System ประกอบไปด้วย GIESTA AirFlow ประตูเหล็กกลาไม้ที่มีช่องหน้าต่างเพื่อเปิดระบายอากาศในตัว AirFlow Door ประตูระบายน้ำสามารถสไลด์เปิดบานได้หลายระดับ และ AirFlow Slot ช่องระบายอากาศพร้อมหน้ากากเปิดปิดที่ถูกดีไซน์อย่างชาญวิสาดติดตั้งได้กับหน้าต่างต่างๆ ของก่อสร้างได้อย่างกลมกลืน

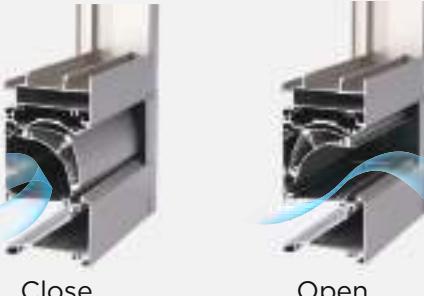
① GIESTA AIRFLOW



Close

Open

② AIRFLOW SLOT
(available for WE 70 & WE Plus)



Close

Open

③ AIRFLOW DOOR



Close

Open

TOSTEM WINDOW AND DOOR SERIES

FRAME DEPTH

100 mm
(Glass: Up to 32 mm)

ATIS

- Frame depth : 88 - 132 mm
- Height of sill : 55 mm
- Wind load : 1200Pa (JIS)
- Water: 250Pa (JIS)



GRANTS SERIES

- Frame depth : 101.6-178 mm
- Height of sill : 50 mm
- Wind Load : 2000Pa (ASTM)
- Water : 300Pa (ASTM)



(P.32)

88 mm
(Glass: Up to 22 mm)

ATIS PLUS

- Frame depth : 88 - 132 mm
- Height of sill : 55 mm
- Wind load : 2000Pa (ASTM)
- Water: 300Pa (ASTM)



(P.40)

70 mm
(Glass: Up to 8 mm)

INTERIOR SERIES

- Frame depth : 72-104 mm
- Height of sill : 0-20 mm
- Wind Load : N/A
- Water : N/A



(P.90)

WE 70 SERIES

- Frame depth : 72-104 mm
- Height of sill : 35 mm
- Wind Load : 800Pa (JIS)
- Water : 150Pa (JIS)



(P.70)

WE PLUS SERIES

- Frame depth : 72-104 mm
- Height of sill : 35 mm / 50 mm
- Wind Load : 1600Pa (ASTM)
- Water : 240Pa (ASTM)



(P.46)

40 mm

WE 40 SERIES

- Frame depth : 40 mm
- Height of sill : 35 mm
- Wind Load : 500Pa (JIS)
- Water : 100Pa (JIS)



(P.88)



DESIGN & PERFORMANCE

PRODUCTS Index for high-rise projects

GRANTS Series (Windows)



GRANTS Series (Doors)



ATIS PLUS Series (Windows)



ATIS PLUS Series (Doors)



WE PLUS Series (Windows)



WE PLUS Series (Doors)



PRODUCTS Index for low-rise projects

ATIS Series (Windows)



Product detail
Reference Drawing

Sliding Window
(2 panels on 2 tracks)

P. 64
P. 153



Sliding Window
(4 panels on 2 tracks)

P. 64
P. 154



Fixed Window

P. 64
P. 160



Corner Fixed Window

P. 64
P. 160



Unit Fixed Window

P. 65
P. 161



Awning Window
(Cam-latch)

P. 66
P. 157



Awning
(Operator)

P. 66
P. 159



Awning
(Slit)

P. 66
P. 158



Tilt & Slide

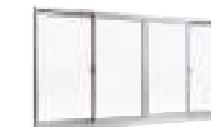
P. 66
P. 162

Product detail
Reference Drawing



Casement
(Cam-latch)

P. 65
P. 156



Casement
(Operator)

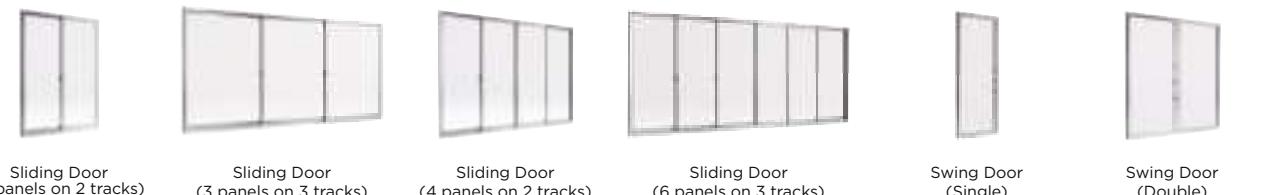
P. 65
P. 156



Tilt & Slide

P. 66
P. 162

ATIS Series (Doors)

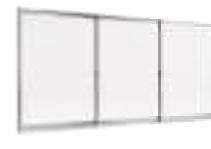


Product detail
Reference Drawing



Sliding Door
(2 panels on 2 tracks)

P. 67
P. 163



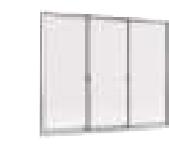
Sliding Door
(3 panels on 3 tracks)

P. 67
P. 165



Sliding Door
(4 panels on 2 tracks)

P. 67
P. 164



Sliding Door
(6 panels on 3 tracks)

P. 67
P. 165



Swing Door
(Single)

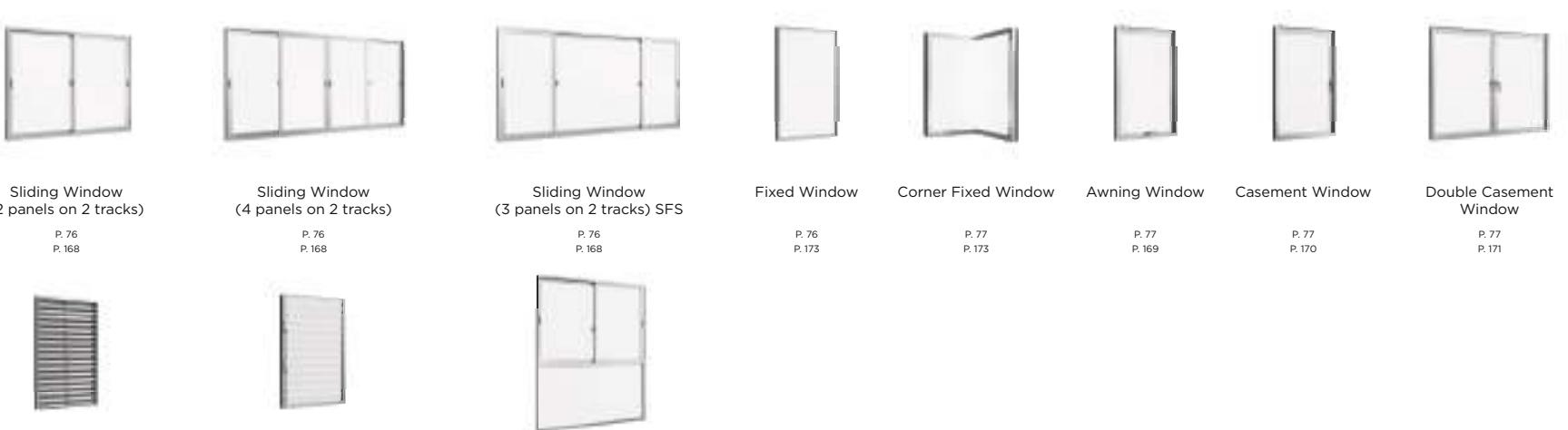
P. 68
P. 166



Swing Door
(Double)

P. 68
P. 166

WE 70 Series (Windows)



Product detail
Reference Drawing

Sliding Window
(2 panels on 2 tracks)

P. 76
P. 168

Sliding Window
(4 panels on 2 tracks)

P. 76
P. 168

Sliding Window
(3 panels on 2 tracks SFS)

P. 76
P. 168

Fixed Window

P. 76
P. 173

Corner Fixed Window

P. 77
P. 173

Awning Window

P. 77
P. 169

Casement Window

P. 77
P. 170

Double Casement Window

P. 77
P. 171

Aluminium Louver

P. 78
P. 174

Glass Louver

P. 78
P. 174

Mixed Windows

P. 83
P. 184-185

WE 70 Series (Doors)



Product detail
Reference Drawing

Sliding Door
(2 panels on 2 tracks)

P. 79
P. 176



Sliding Door
(4 panels on 2 tracks)

P. 79
P. 176



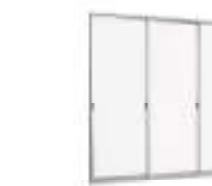
Sliding Door
(3 panels on 2 tracks SFS)

P. 79
P. 176



Sliding Door
(3 panels on 3 tracks)

P. 79
P. 177



Sliding Door
(6 panels on 3 tracks)

P. 80
P. 177



AirFlow Door

P. 80
P. 179



Out-Swing Door
(Single)

P. 80
P. 180

Product detail
Reference Drawing

Out-Swing Door
(Double)

P. 80
P. 180



In-Swing Door
(Single)

P. 81
P. 181



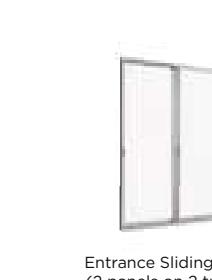
In-Swing Door
(Double)

P. 81
P. 181



Folding Door

P. 81, 82
P. 182-183



Entrance Sliding Door
(2 panels on 2 tracks)

P. 82
P. 178



Entrance Sliding Door
(4 panels on 2 tracks)

P. 82
P. 178

WE 40 Series (Windows)



Product detail
Reference Drawing

Single Sliding Window

P. 89
P. 186



Center Sliding Window

P. 89
P. 186



Fixed Window

P. 89
P. 187



Awning Window

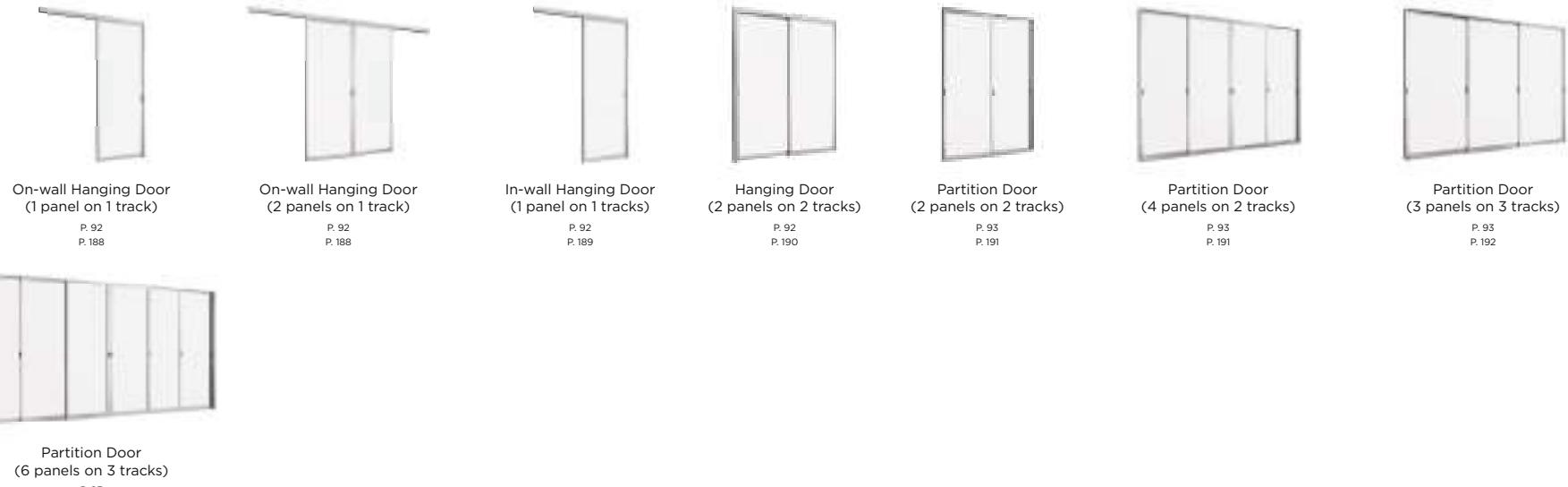
P. 89
P. 187



Casement Window

P. 89
P. 187

Interior Series



Product detail
Reference Drawing

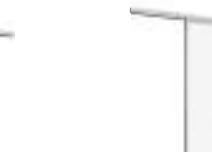
On-wall Hanging Door
(1 panel on 1 track)

P. 92
P. 188



In-wall Hanging Door
(2 panels on 1 track)

P. 92
P. 189



Hanging Door
(2 panels on 2 tracks)

P. 92
P. 190



Partition Door
(2 panels on 2 tracks)

P. 93
P. 191



Partition Door
(4 panels on 2 tracks)

P. 93
P. 191



Partition Door
(3 panels on 3 tracks)

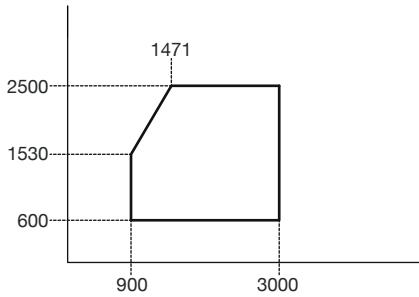
P. 93
P. 192

WINDOWS

Sliding Window (2 panels on 2 tracks)



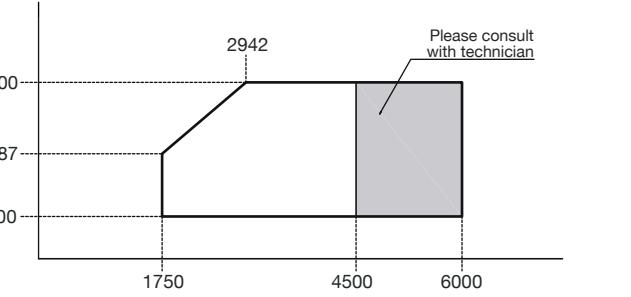
- Available in SG and IG unit
- Select panel position from L/R
- Single slide (L/R) available
- Handle option
- Pleated insect screen available
- Glazing Finish
 - 5 - 6 mm : Sealant
 - 8 - 13.52 mm : Glazing channel
 - 18 - 31.52 mm : Sealant



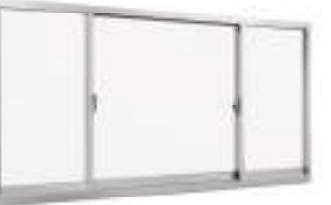
Sliding Window (4 panels on 2 tracks)



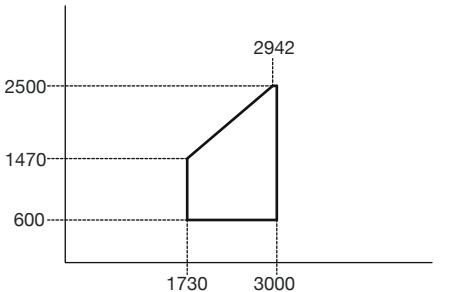
- Available in SG and IG unit
- Handle option
- Pleated insect screen available
- Select from (SSSS, FSSF)
- Glazing Finish
 - 5 - 6 mm : Sealant
 - 8 - 13.52 mm : Glazing channel
 - 18 - 31.52 mm : Sealant



Sliding Window (3 panels on 2 tracks) SFS



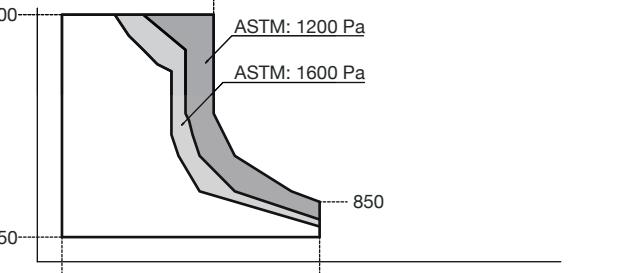
- Available in SG and IG unit
- Handle option
- Pleated insect screen available
- Glazing Finish
 - 5 - 6 mm : Sealant
 - 8 - 13.52 mm : Glazing channel
 - 18 - 31.52 mm : Sealant



Fixed Window



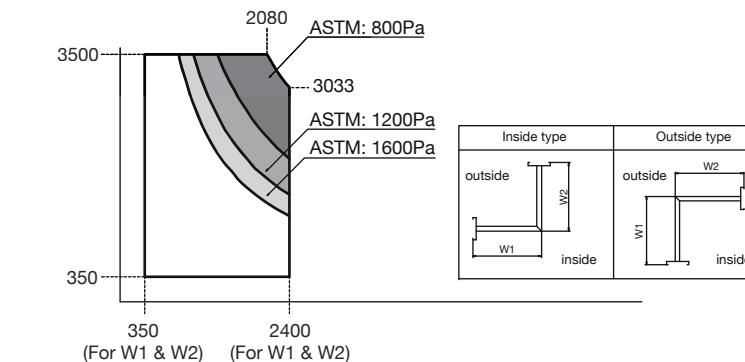
- For oversize fixed windows, please consult with our technician
- Available in SG and IG unit
- Glazing Finish
 - 5 - 6 mm : Sealant
 - 8 - 13.52 mm : Glazing bead
 - 18 - 24 mm : Sealant
 - 25 - 31.52 mm : Glazing bead



Corner Fixed Window



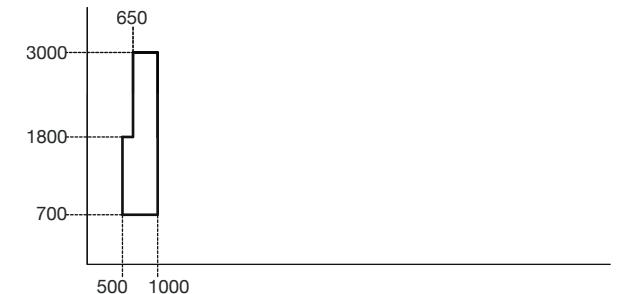
- Only available in SG
- Only available with sealant finish
- Both in/outward corner available



Awning Window



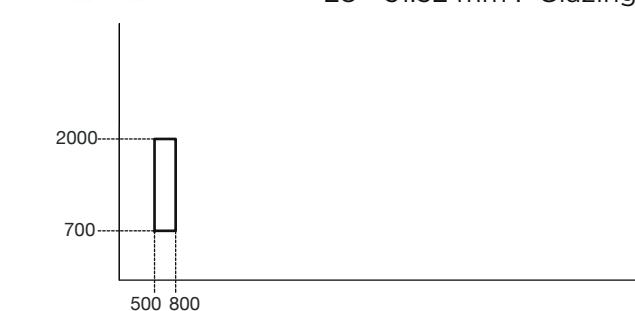
- Available in SG and IG unit
- In case of IG, please consult with our technician for size and performance
- Pleated insect screen available
- Glazing Finish
 - 5 - 6 mm : Sealant
 - 8 - 13.52 mm : Glazing channel
 - 28 - 31.52 mm : Glazing channel



Casement Window (with friction stay)



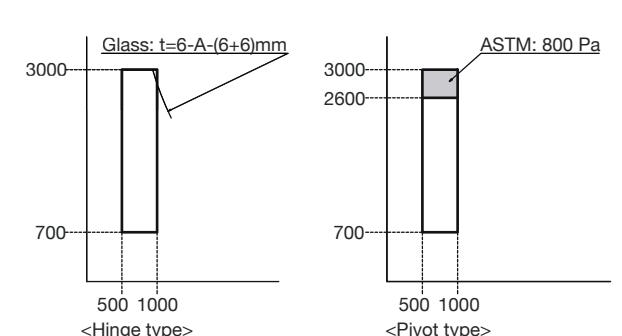
- Available in SG and IG unit
- In case of glass thickness over 8 mm and IG unit please consult with our technician
- Select from L/R
- Pleated insect screen available
- Glazing Finish
 - 5 - 6 mm : Sealant
 - 8 - 13.52 mm : Glazing channel
 - 28 - 31.52 mm : Glazing channel



Casement Window (with hinge or pivot)



- Available in SG and IG unit
- Select from L/R
- Pleated insect screen available
- Glazing Finish
 - 5 - 6 mm : Sealant
 - 8 - 13.52 mm : Glazing channel
 - 28 - 31.52 mm : Glazing channel





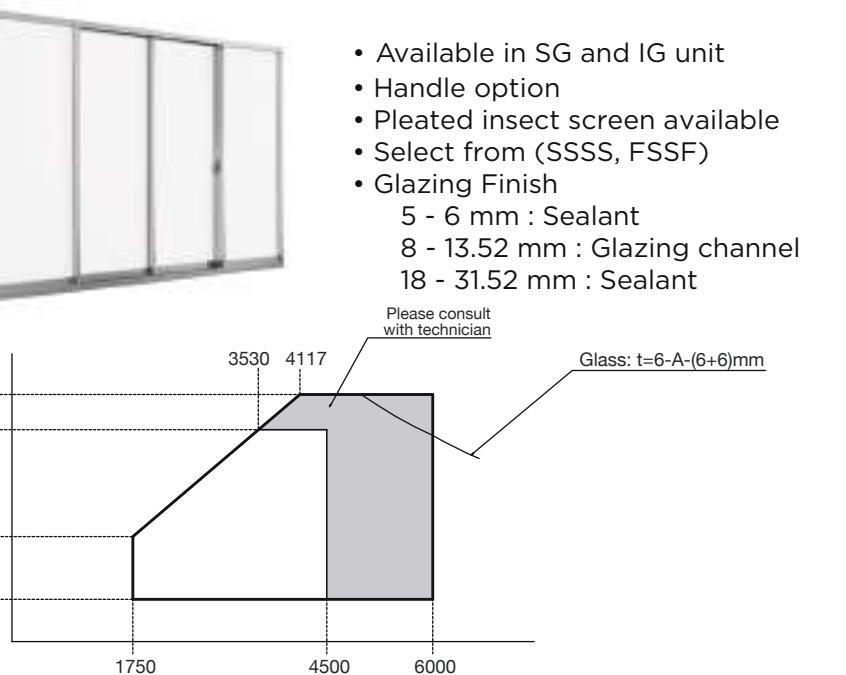
WINDOW FOR
HIGH RISE

DOORS

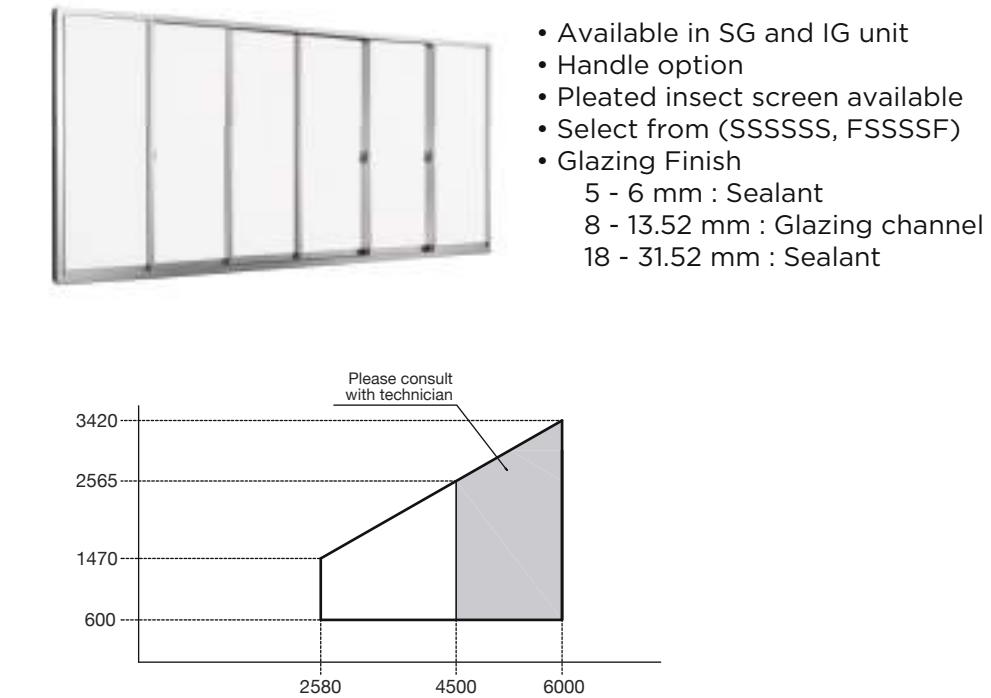
Sliding Door (2 panels on 2 tracks)



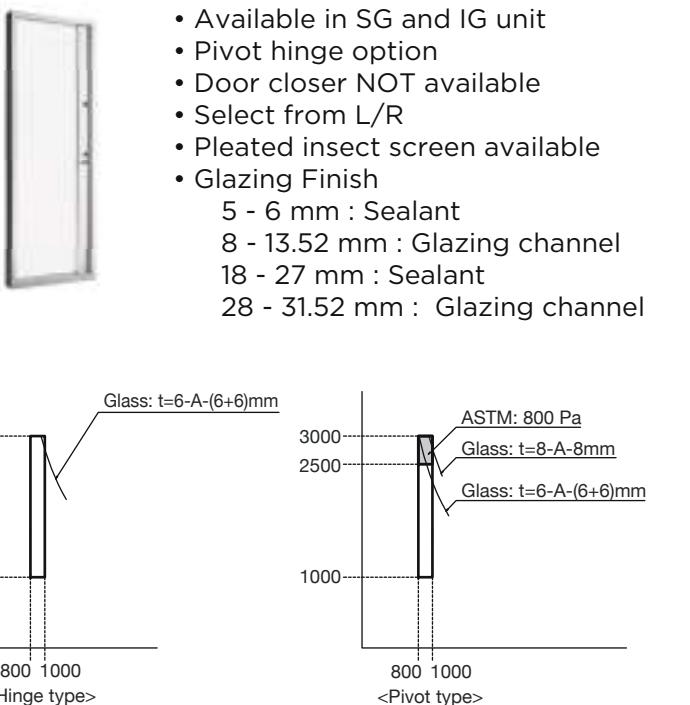
Sliding Door (4 panels on 2 tracks)



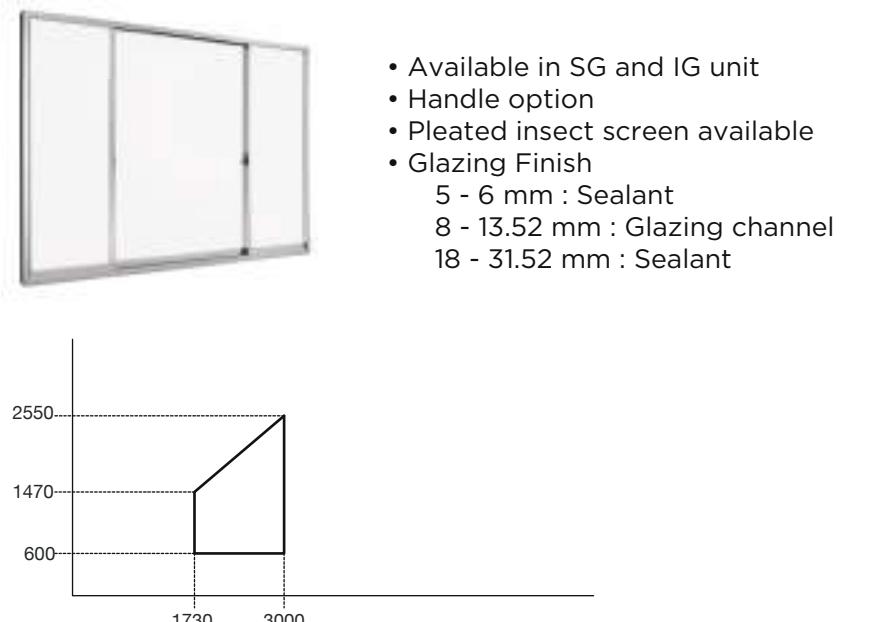
Sliding Door (6 panels on 3 tracks)



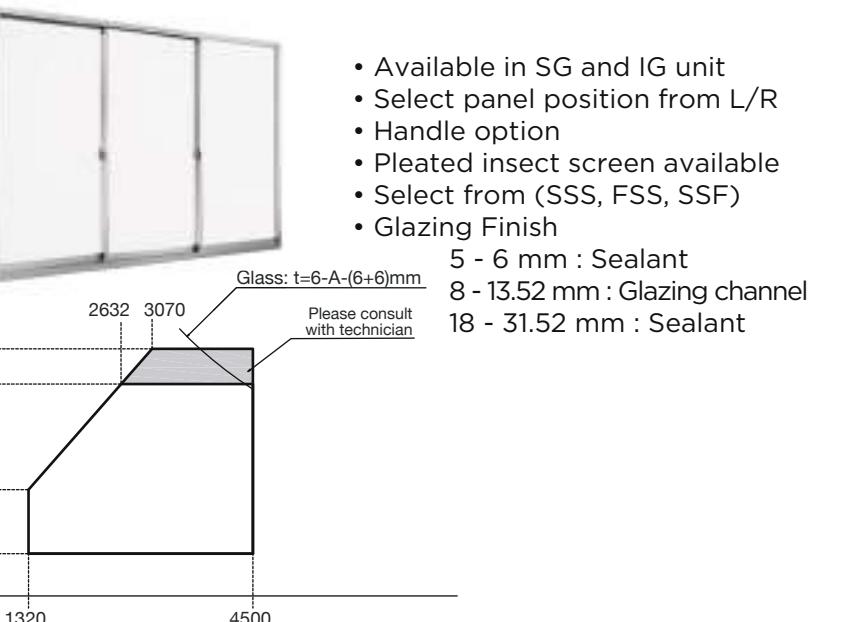
Out-Swing Door (Single)



Sliding Door (3 panels on 2 tracks) SFS



Sliding Door (3 panels on 3 tracks)



MIXED & COMBINATION WINDOW

UNIT WINDOWS

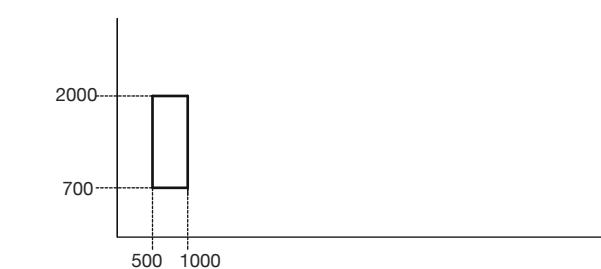
| Bottom Windows | Top Windows | | | |
|-----------------|---------------|-----------------|------------|---------|
| | Single Awning | Single Casement | Single Fix | Sliding |
| Single Awning | | | ● | |
| Single Casement | | | ● | |
| Swing Door | | | ● | |
| Single Fix | ● | ● | ● | ● |
| Double Fix | | | | ● |

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

OPTIONS :
Insect screen for awning & casement



- For awning and casement window over 2000 mm in height, use insect sliding screen





GRANTS PROJECT REFERENCE

Private House, Khon Kaen

GRANTS PROJECT REFERENCE

Private House, Khon Kaen





ATIS Plus Series

The patent design of ATIS is not only esthetically pleasing, but has an enormous amount of innovation and technology 'build within'. ATIS plus offers beautiful windows for your high-rise projects, which has passed rigorous tests based on ASTM and TOSTEM in-house toughest standards.

SPECIFICATIONS

| | |
|------------------------------------|---------------------------------------|
| Frame Depth ความหนาของวงกบ | 88 mm (131.5 mm for 3 tracks sliding) |
| Height of Sill ความสูงกระถางต้น | 55 mm |
| Glass Thickness ความหนาของกระจก | up to 22 mm (26 mm for fixed window) |

COLOR



PERFORMANCES

| WIND PRESSURE | WATER TIGHTNESS | AIR TIGHTNESS | NOISE INSULATION |
|------------------------|-----------------------|--|---|
| 2000 Pa (ASTM E330) | 300 Pa (ASTM E300) | 10.7m³/h · m ² (ASTM E283) | T-1 (25), T-2 (30)* (JIS A 1416) |
| | | | *Some specific window types and glasses |

* Sound performance test has been done in JIS standard controlled environment.

Performance will vary by room condition. Please consult with sound insulation specialist.

* ทดสอบประสิทธิภาพแรงดันลมตามมาตรฐานญี่ปุ่น JIS (A4706 และ A4702) ภายใต้การทดสอบบนห้องจำลองพื้นที่สถาปัตยกรรมตามที่ บริษัทฯ กำหนด ทั้งนี้ประสิทธิภาพการป้องกันเสียงขึ้นอยู่กับสภาพแวดล้อมหรือองค์ประกอบต่างๆ ในห้องที่ทดสอบทั้งนี้ สำหรับข้อมูลเพิ่มเติม กรุณาติดต่อผู้เชี่ยวชาญด้านเสียง

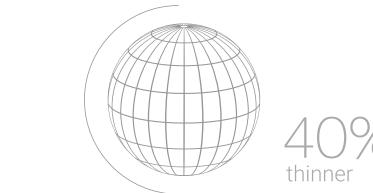
UNIQUE Features

STREAMLINED Design

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



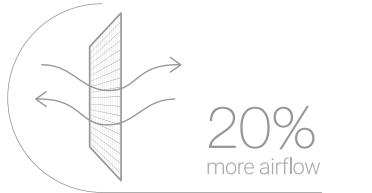
INVISIBLE SCREEN



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.



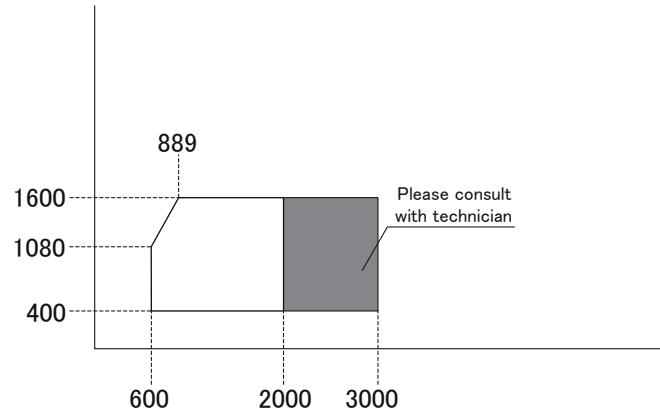
With more airflow than conventional insect screens, INVISIBLE SHIELD lets more insect-free airflow through than any others.

WINDOWS

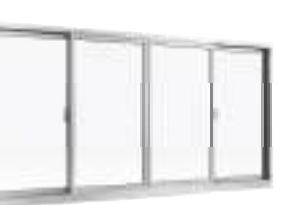
Sliding Window (2 panels on 2 tracks)



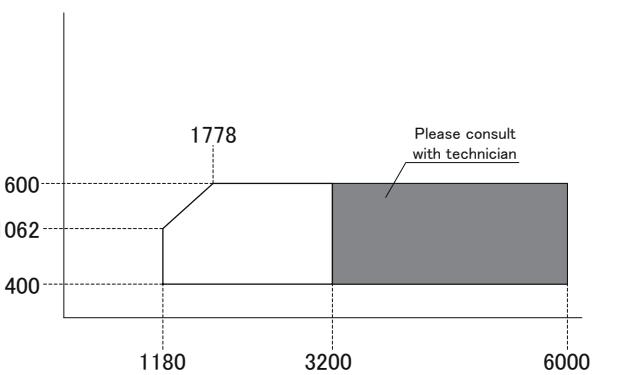
- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- External insect screen available
- Internal insect screen (optional)
- Safety arm option



Sliding Window (4 panels on 2 tracks)



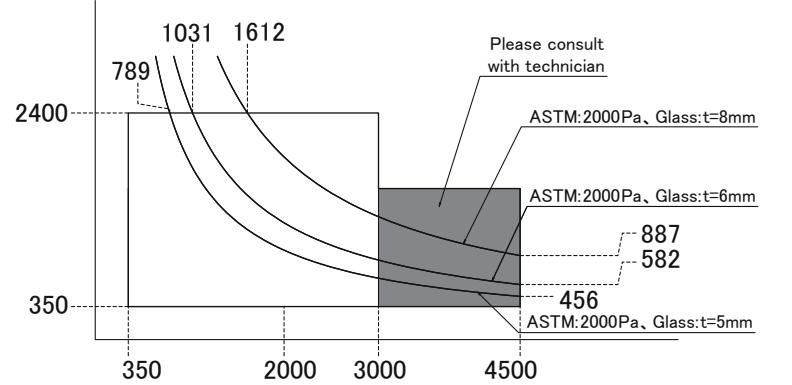
- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- External insect screen available
- Internal insect screen (optional)



Fixed Window



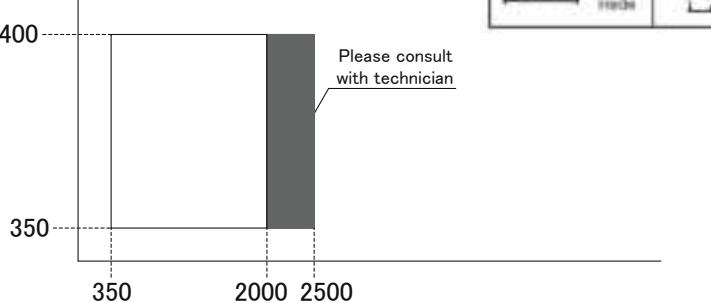
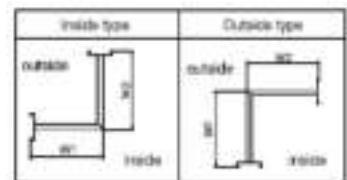
- Available in SG and IG unit
- Wind load performance varies by glass thickness Please consult with our technician
- Available in variation pattern as single frame



Corner Fixed Window



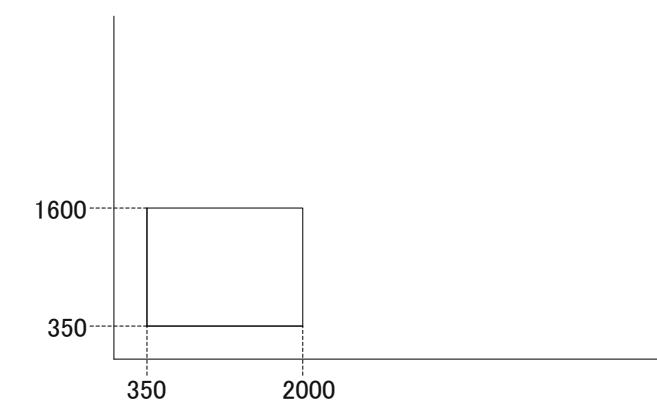
Only available in SG
Only available with sealant finish
Both in/outward corner available
Middle bar (optional)



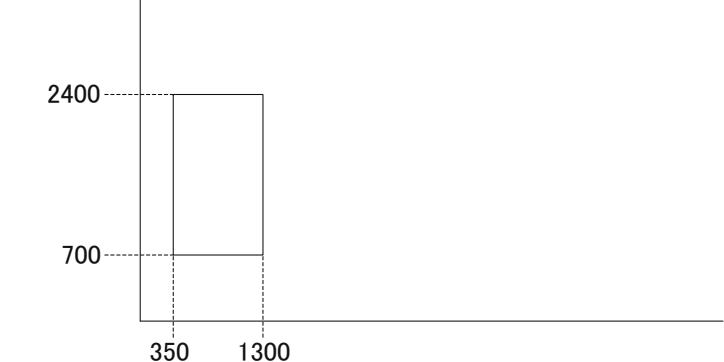
Fix Unit Variation



- Available in SG and IG unit
- Wind load performance varies by glass thickness Please consult with our technician



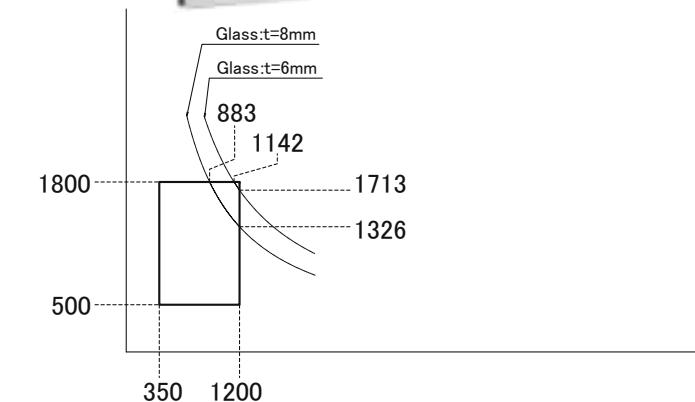
- Available in SG
- Wind load performance varies by glass thickness Please consult with our technician



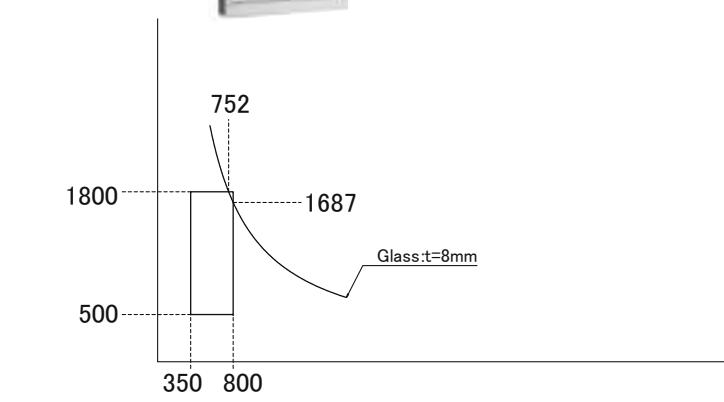
Awning Window (Multi Lock)



- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- Swing screen available



- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- Select from L/R
- Swing screen available
- Safety arm option

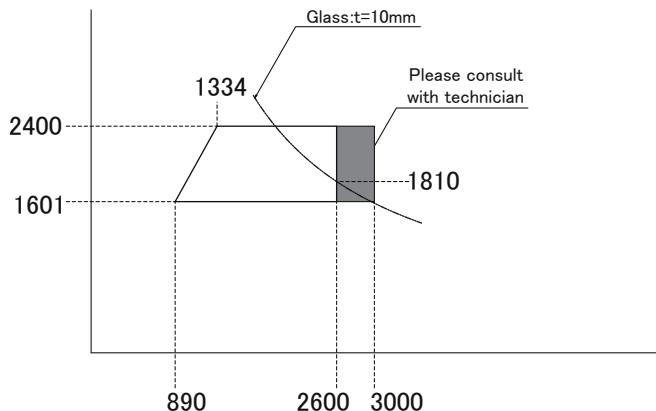


DOORS

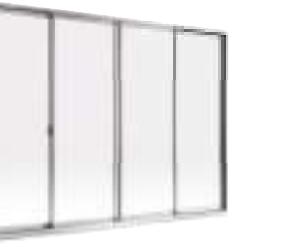
Sliding Door (2 panels on 2 tracks)



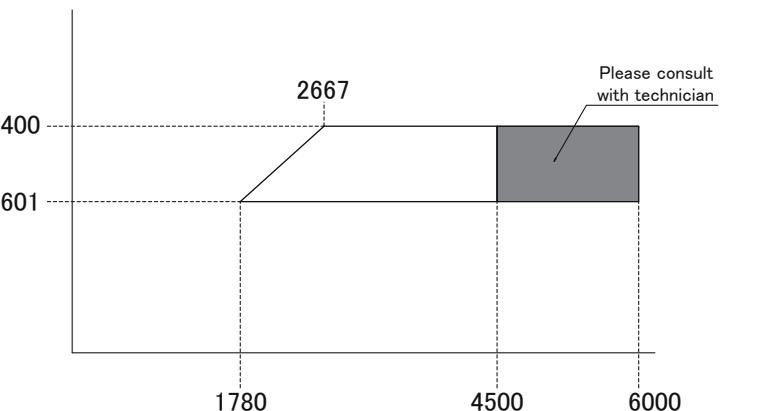
- Available in SG and IG unit
- In case of over 10mm glass thickness, please consult with our technician
- External insect screen available
- Internal insect screen (optional)
- Safety arm option
- Barrier attachment option



Sliding Door (4 panels on 2 tracks)



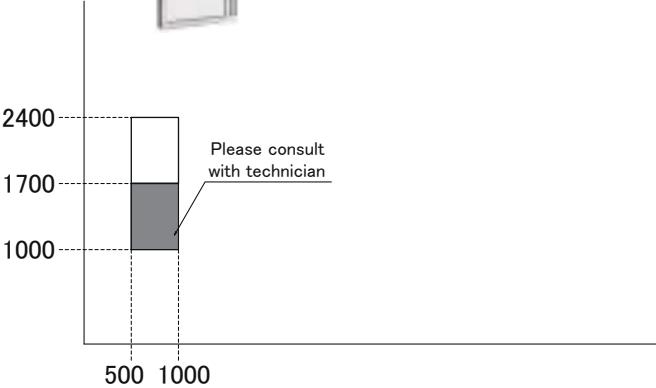
- Available in SG and IG unit
- In case of over 10mm glass thickness, please consult with our technician
- External insect screen available
- Internal insect screen (optional)
- Barrier attachment option



Out-Swing Door (Single)



- Available in SG and IG unit
- In case of over 10mm glass thickness, please consult with our technician
- Door closer Not available
- Select from L/R
- Pleated screen 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 PLUS Series

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.

WE Plus ผ่านการอุตสาหกรรมและทดสอบประสิทธิภาพตามมาตรฐาน ASTM และ มาตรฐานที่เข้มงวดของสถาปนิก เมื่อใช้ในที่ครบถ้วน ทำความสูงได้ถึง 3 เมตร สามารถตอบโจทย์ความต้องการที่หลากหลายของ การออกแบบอาคารสูง

SPECIFICATIONS

| | |
|--------------------------------------|---|
| Frame Depth ความหนาของวงกบ | 72 mm 104 mm (3 tracks sliding) |
| Height of Sill ความสูงของธรรมชาติ | 35 mm 50 mm (all slidings) |
| Glass Thickness ความหนาของกระจก | 5, 6, 8 (Panel: Single glass groove 11mm) 8-13.52 (Panel: Laminated glass groove 17mm) |

COLOR



PERFORMANCES

| WIND PRESSURE | WATER TIGHTNESS | AIR TIGHTNESS | NOISE INSULATION |
|-----------------------|----------------------|-----------------------------|--------------------------------|
| | | | |
| ASTM E330: 1600 Pa | ASTM E300: 240 Pa | ASTM E283: 10.7m³ / h·m² | JIS (A4706 & A4702) : 25 dB |

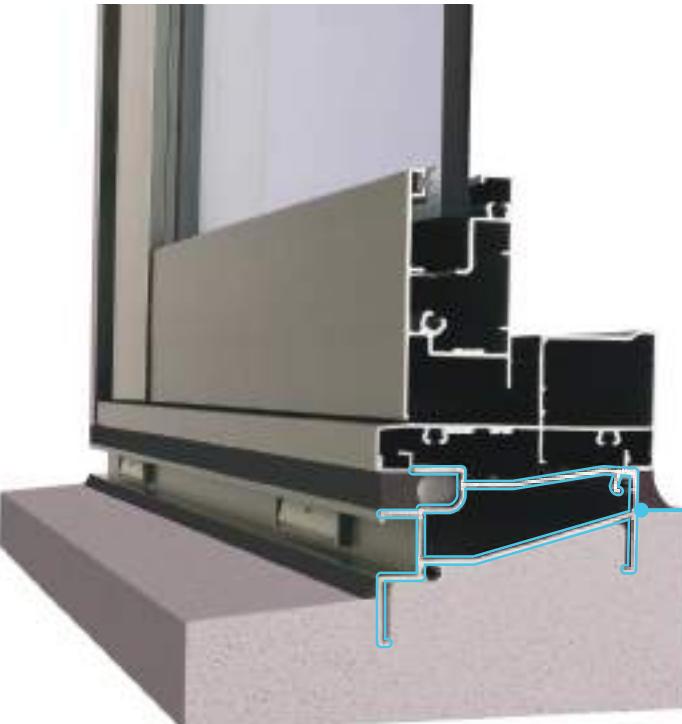
* Sound performance test has been done in JIS standard controlled environment.
Performance will vary by room condition. Please consult with sound insulation specialist.

* ระดับประสิทธิภาพตามมาตรฐานอุตสาหกรรมญี่ปุ่น JIS (A4706 และ A4702) ภายใต้การทดสอบในห้องจำลองบ้านเดี่ยวที่มีพื้นที่สีเทาเพื่อทดสอบค่าเสียงที่สูงกว่าค่าเฉลี่ยของบ้านหรือ องค์ประกอบต่างๆ ในห้องที่แตกต่างกัน สำหรับข้อมูลเพิ่มเติม กรุณาติดต่อผู้เชี่ยวชาญด้านเสียง

UNIQUE Features

Pre-installed still attachment for pre-cast concrete (option)

ตัวต่อล่างแบบหล่อติดผังคอนกรีตระบบพรีคาส(อุปกรณ์เสริม)



* With precast attachment (Option)

Attachment allows stability around windows for a longer time against the aged deterioration of a sealant.
In case of water entry from outside sealant, attachment prevents water from penetrating inside.

ตัวต่อล่างเสริมประสิทธิภาพ ยืดอายุการใช้งานของหน้าต่างป้องกันหักเห
ที่เกิดจากการเปลี่ยนสภาพของชิ้นงานหิน เช่นหินทรายหินแกรนิตหิน
จากด้านนอก ตัวต่อบริการน้ำ ป้องกันน้ำรั่วเข้ามาภายในห้องได้



PATENT PENDING



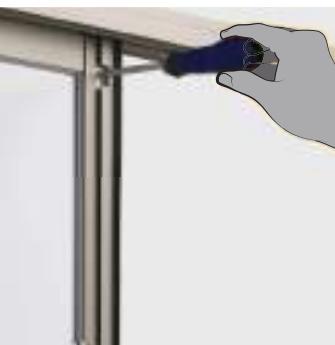
High quality security lock

ระบบล็อก ล็อกแบบก้านโยก
ป้องกันการล็อกไม่สนิท



Sliding door meeting stiles are designed to withstand high wind loads

โปรไฟล์ส่วนลิ่อน ออกแบบเพื่อรับแรงลม



Easily adjustable outer-panel lock

ตัวล็อกภายนอก ป้องกันการขัดเปิดบาน
จากผู้คนภายนอก



Limit arm (window restrictor)

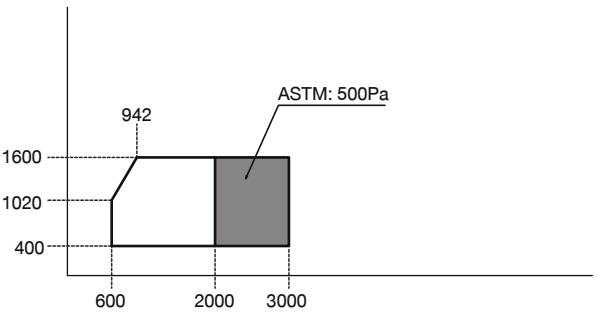
ลิมิตอาร์ม บังคับของความเปิด
ป้องกันอุบัติเหตุ การหลุดตกจากหน้าต่าง

WINDOWS

Sliding Window (2 panels on 2 tracks)



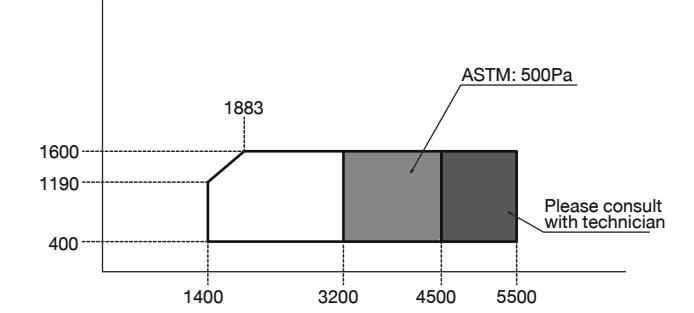
- Inside insect screen available with a special order



Sliding Window (4 panels on 2 tracks)



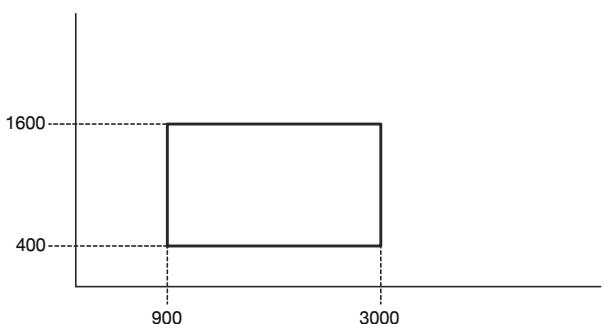
- Inside insect screen available with a special order



Sliding Window (3 panels on 3 tracks)



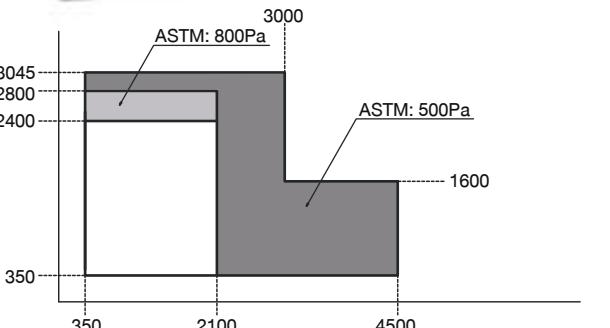
- Inside insect screen available with a special order



Fixed Window



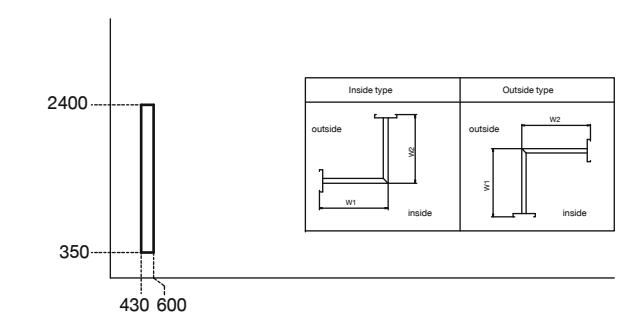
- Wind load performance varies by glass thickness, please consult with our technician



Corner Fixed Window



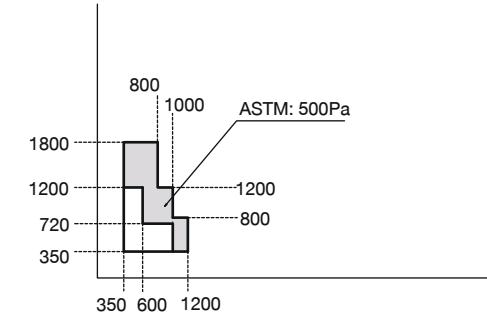
- Available only in outward corner
- Middle bar (optional)



Awning Window (Single Lock)



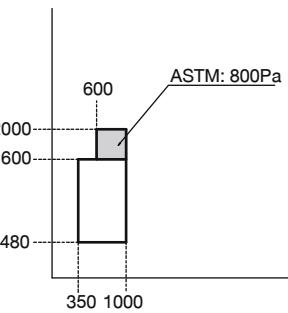
- Insect screen available with a special order



Awning Window (Multi Lock)



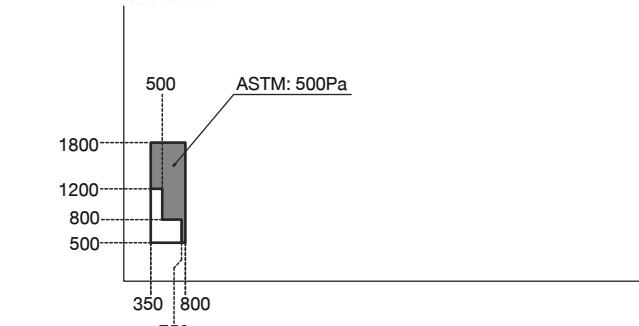
- Insect screen NOT available



Casement Window (Single Lock)



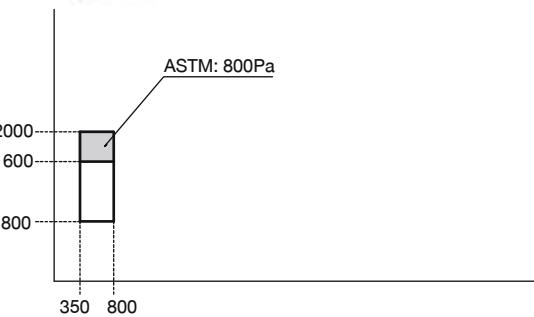
- Insect screen available with a special order
- Select from L/R
- Safety arm (Optional)



Casement Window (Multi Lock)

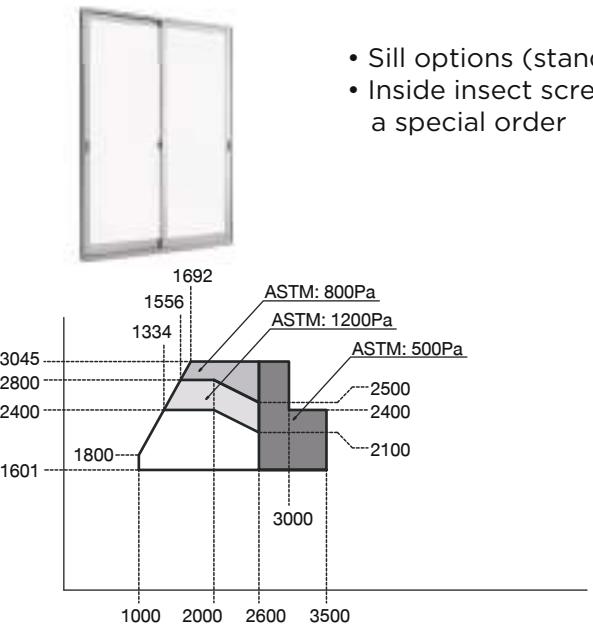


- Insect screen NOT available
- Select from L/R
- Safety arm (Optional)

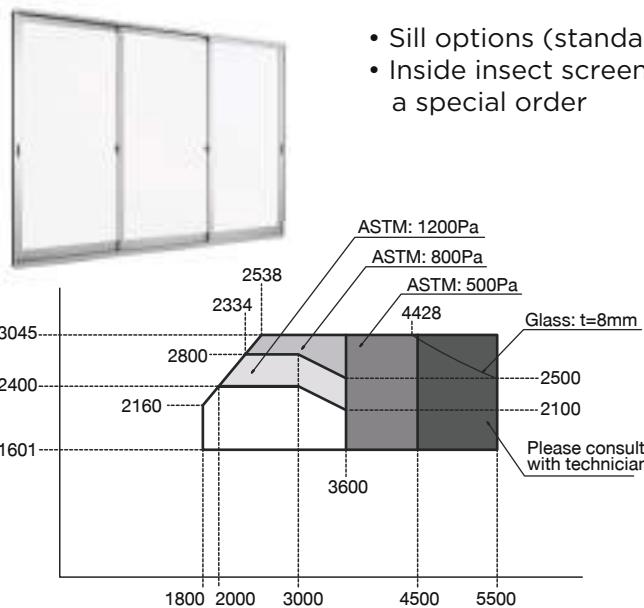


DOORS

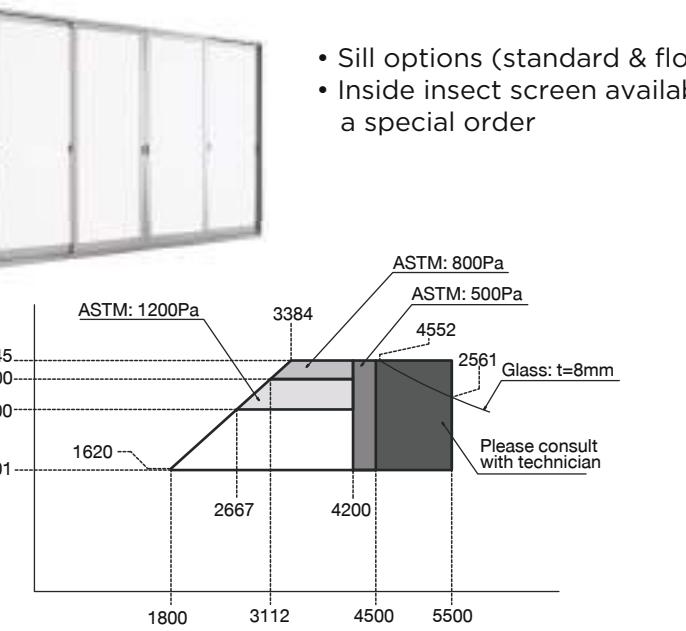
Sliding Door (2 panels on 2 tracks)



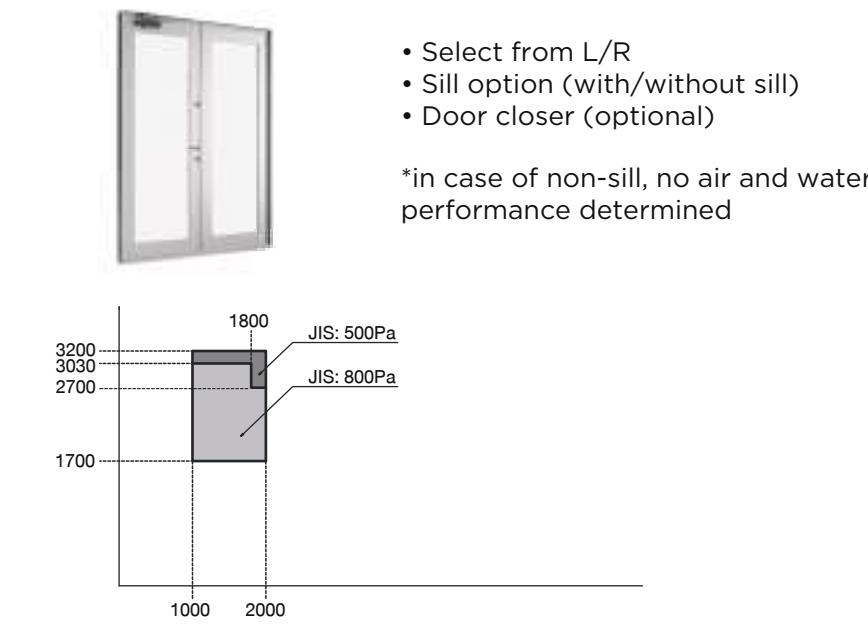
Sliding Door (3 panels on 3 tracks)



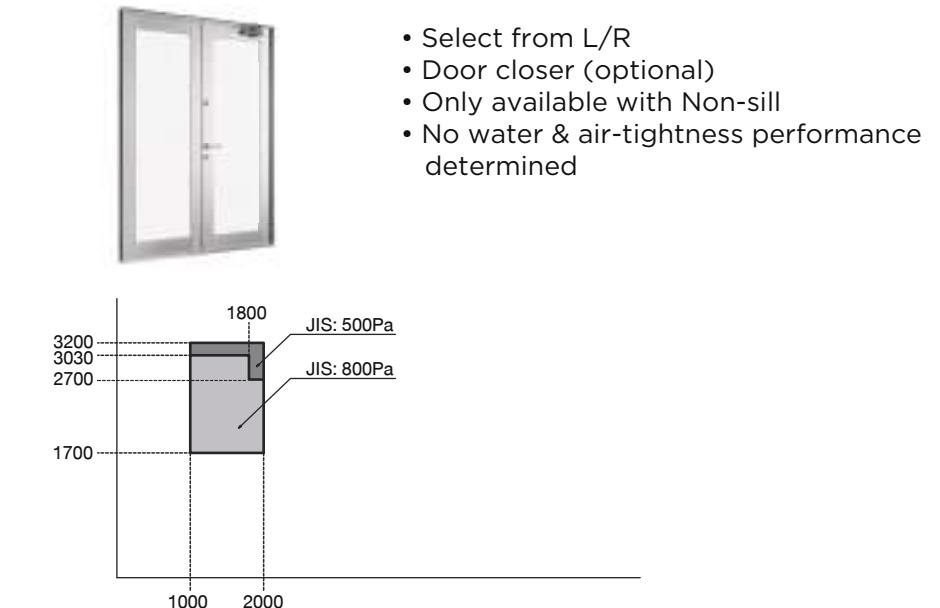
Sliding Door (4 panels on 2 tracks)



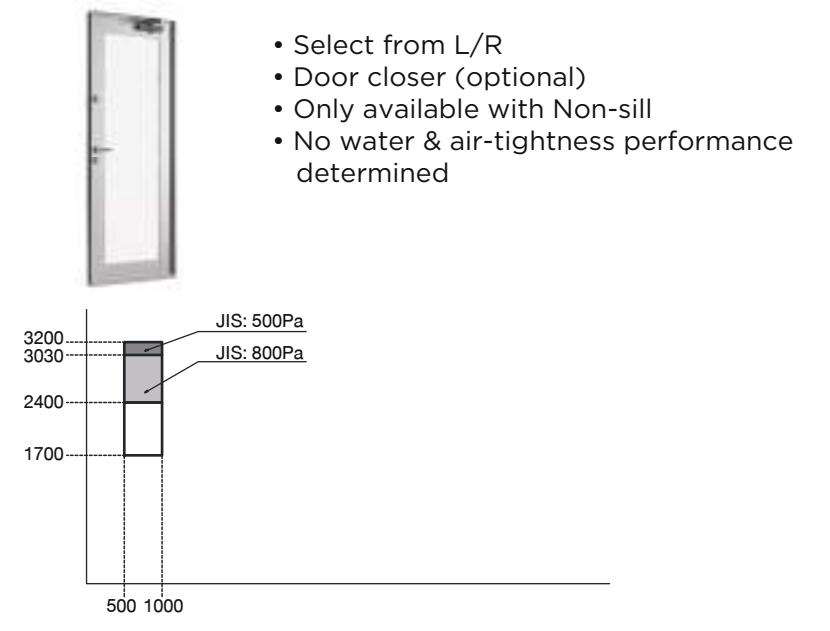
Out-Swing Door (Double)



In-Swing Door (Double)



In-Swing Door (Single)



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)

UNIT WINDOWS

| Top Windows | | | |
|-----------------|---------------|-----------------|-------------|
| Bottom Windows | Single Awning | Single Casement | 1 Panel Fix |
| Single Awning | | | ● |
| Single Casement | | | ● |
| 1 Panel Fix | ● | ● | ● |



WE PLUS PROJECT REFERENCE

Ease Rama 2, Bangkok

WE PLUS PROJECT REFERENCE

Ease Rama 2, Bangkok





WINDOW FOR
LOW RISE



ATIS Series

FRAMING THE BEAUTY OF LIVING

It's not a window-frame, it's moving art. Our end goal are not window frames. It is beauty. Because we believe nothing is more beautiful than life. We invite you to enjoy.

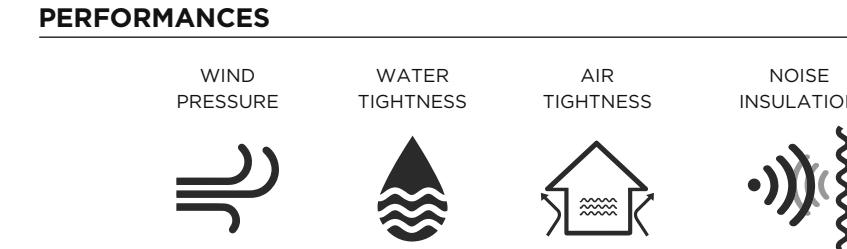
| SPECIFICATIONS | |
|------------------------------------|---------------------------------------|
| Frame Depth ความหนาของวงกบ | 88 mm (131.5 mm for 3 tracks sliding) |
| Height of Sill ความสูงกระป๋อง | 55 mm |
| Glass Thickness ความหนาของกระจก | up to 22 mm (26 mm for fixed window) |



* Sound performance test has been done in JIS standard controlled environment.

Performance will vary by room condition. Please consult with sound insulation specialist.

* ทดสอบประสิทธิภาพตามมาตรฐานค่าธรรมเนียม JIS (A4706 และ A4702) ภายใต้การทดสอบบนห้องจำลองพื้นที่ห้องน้ำ บริเวณห้องน้ำที่ติดตั้งตู้ล้างหน้า ที่มีผู้ใช้งานอยู่ที่ห้องน้ำ ผลลัพธ์จะแตกต่างไปในแต่ละห้องน้ำ ดังนั้นควรปรึกษาผู้เชี่ยวชาญด้านเสียง



S-2 (1200 Pa)
(JIS A 1515)

W-3 (250 Pa)
(JIS A 1517)

A-4 (2)
(JIS A 1516)

T-1 (25), T-2 (30)*
(JIS A 1416)

* Some specific window types and glasses

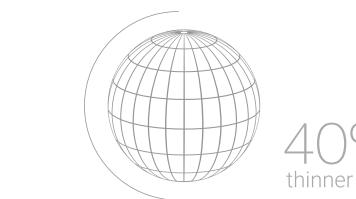
UNIQUE Features

STREAMLINED Design

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



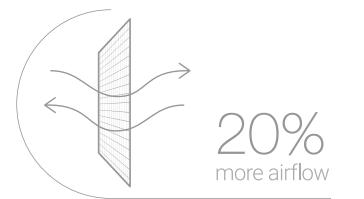
INVISIBLE SCREEN



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.

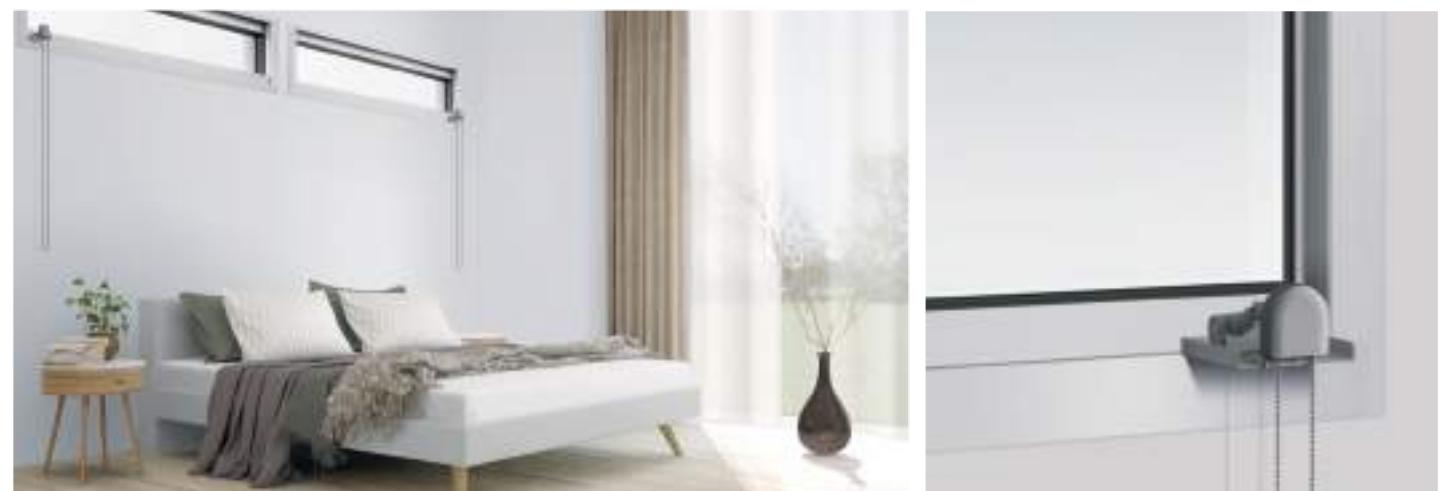


With more airflow than conventional insect screens, INVISIBLE SHIELD lets more insect-free airflow through than any others.

AWNING/CASEMENT



SLIT WINDOW WITH CHAIN OPERATOR

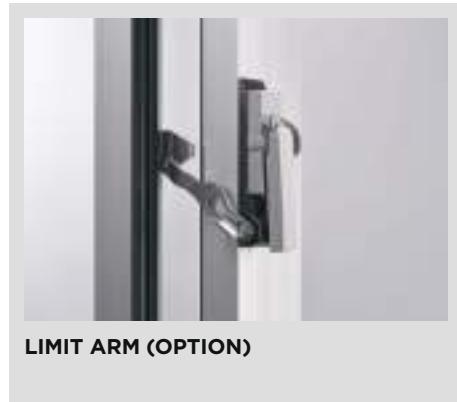


Specially designed for rooms where you want to keep outside eyes out but let the breeze in. You can open our slit windows without having to reach up to window height. We help you make the most out of every living area in your home.

TILT & SLIDE



SLIDING WINDOW / DOOR



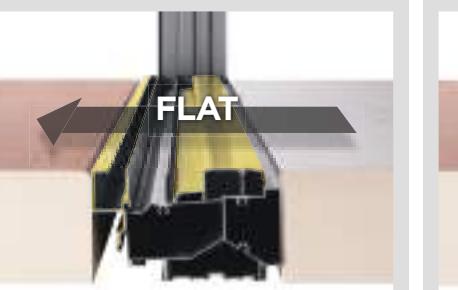
BARRIER FREE ATTACHMENT (OPTION)



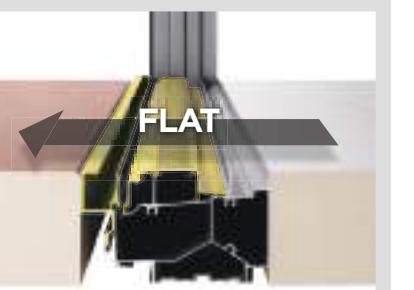
SAFE FOR EVERYONE



DETACHABLE

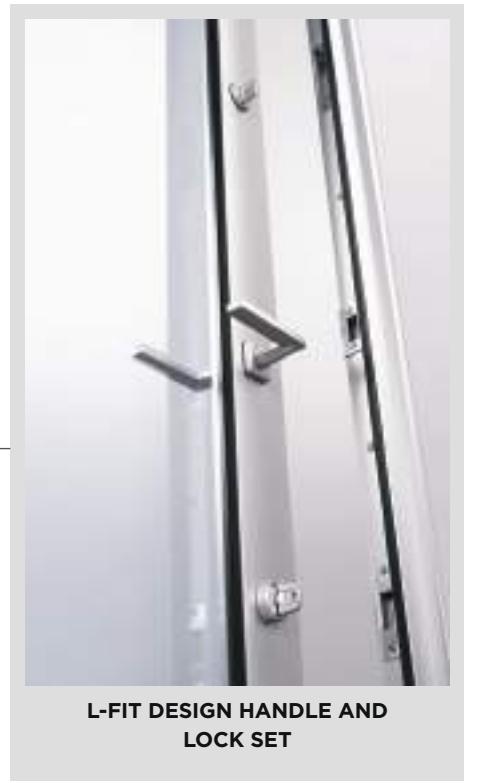
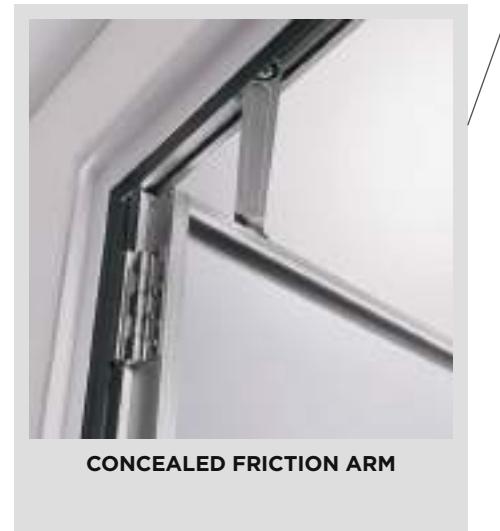


FOR INNER RAIL
(INNER PANEL FIXED)



FOR OUTER RAIL
(OUTER PANEL FIXED)

SWING DOOR

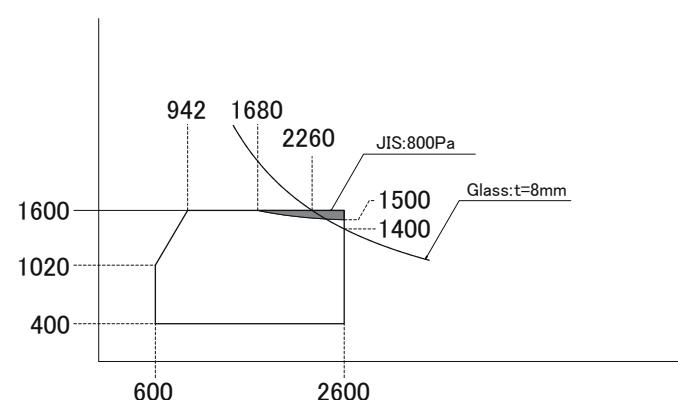


WINDOWS

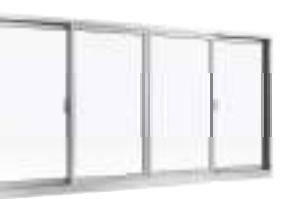
Sliding Window (2 panels on 2 tracks)



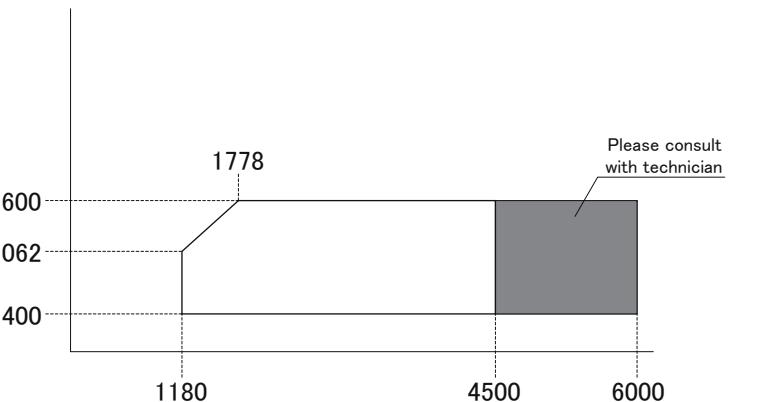
- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- External insect screen available
- Internal insect screen (optional)
- Safety arm option



Sliding Window (4 panels on 2 tracks)



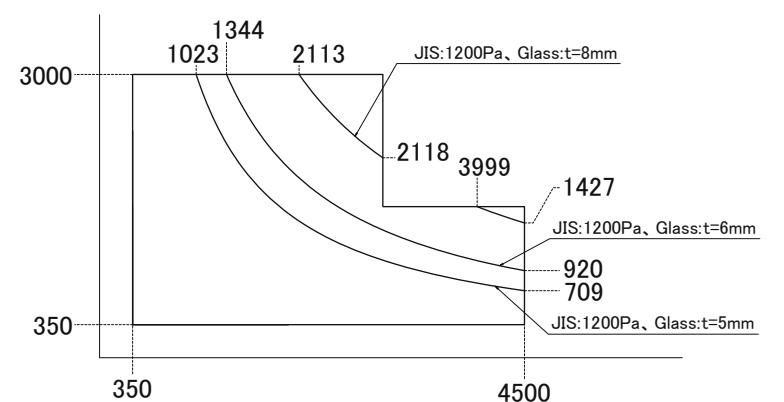
- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- External insect screen available
- Internal insect screen (optional)



Fixed Window



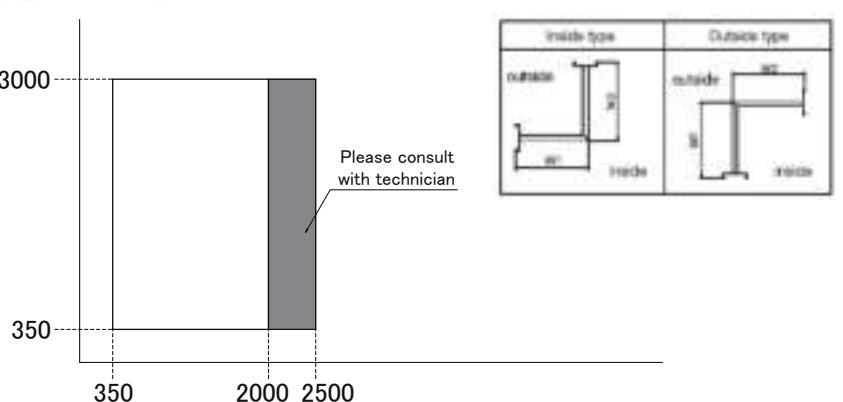
- Available in SG and IG unit
- Wind load performance varies by glass thickness Please consult with our technician
- Available in variation pattern as single frame



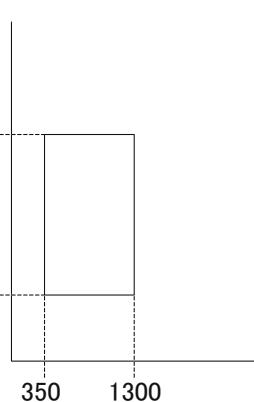
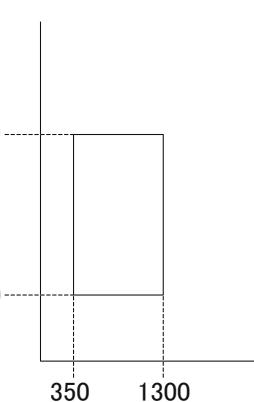
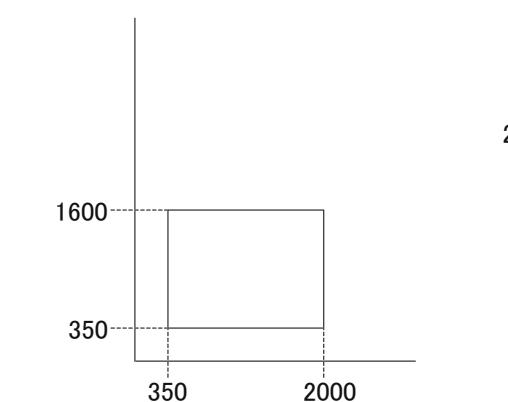
Corner Fixed Window



- Only available in SG
- Only available with sealant finish
- Both in/outward corner available
- Middle bar (optional)



Fix Unit Variation

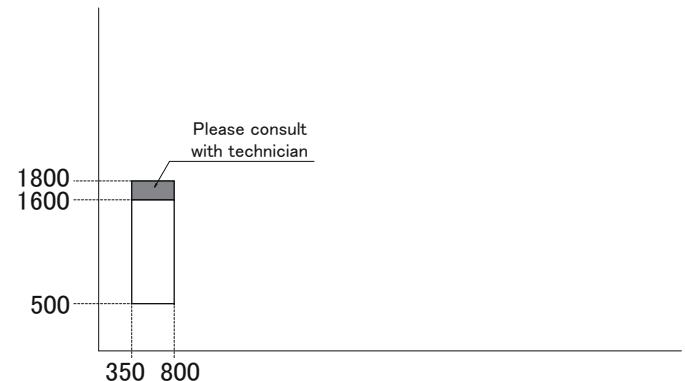
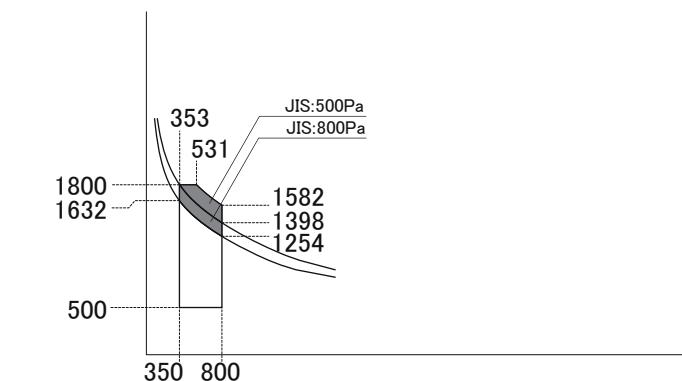


- Available in SG and IG unit
- Wind load performance varies by glass thickness Please consult with our technician

Casement Window (Single Lock)



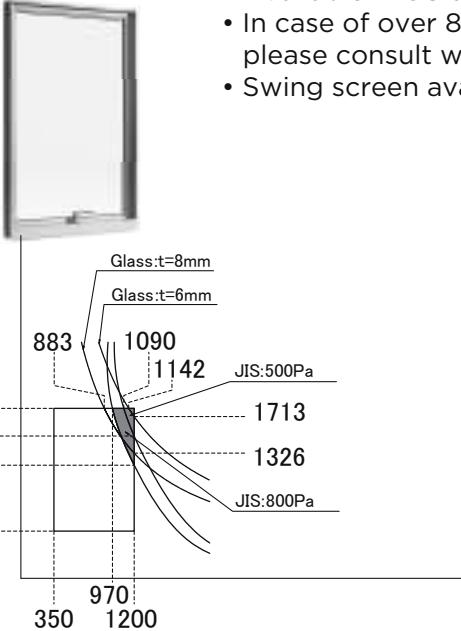
- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- Select from L/R
- Swing screen available
- Safety arm option



Casement Operator Window

- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- Select from L/R
- Smart screen available
- Safety arm option

Awning Window (Single Lock)

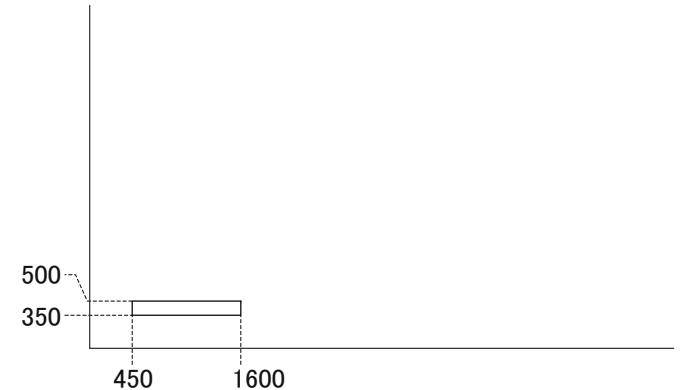


- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- Swing screen available

Awning Slit Window



- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- Smart screen available
- Select from Pully chain or orbit handle



Awning Operator Window

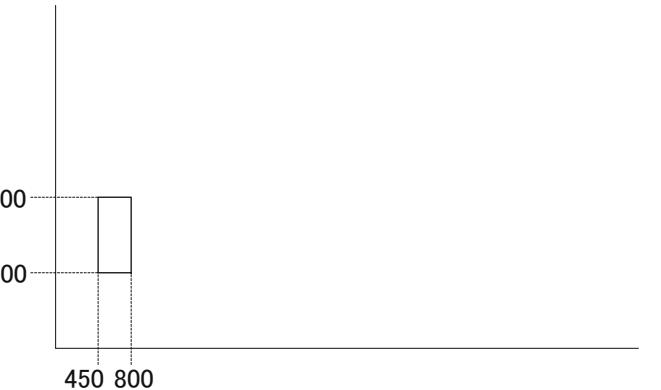


- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- Smart screen available

Tilt & Slide



- Available in SG and IG unit
- In case of over 8mm glass thickness, please consult with our technician
- Smart screen available
- External insect screen available

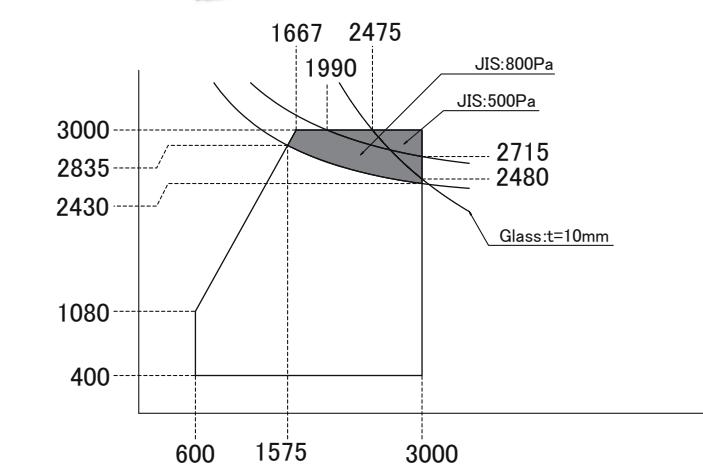


DOORS

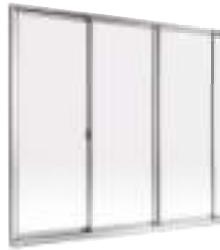
Sliding Door (2 panels on 2 tracks)



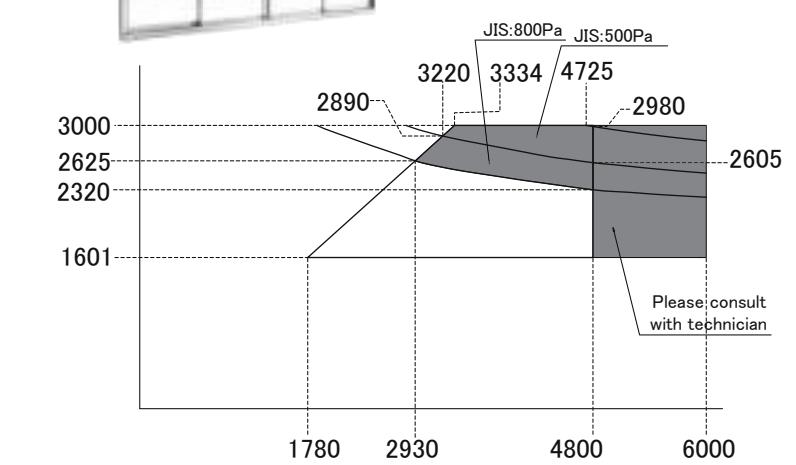
- Available in SG and IG unit
- In case of over 10mm glass thickness, please consult with our technician
- External insect screen available
- Internal insect screen (optional)
- Safety arm option
- Barrier attachment option



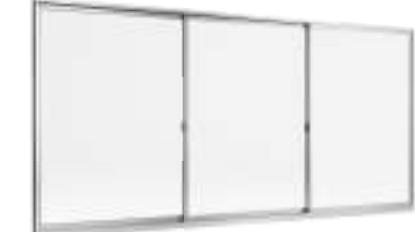
Sliding Door (4 panels on 2 tracks)



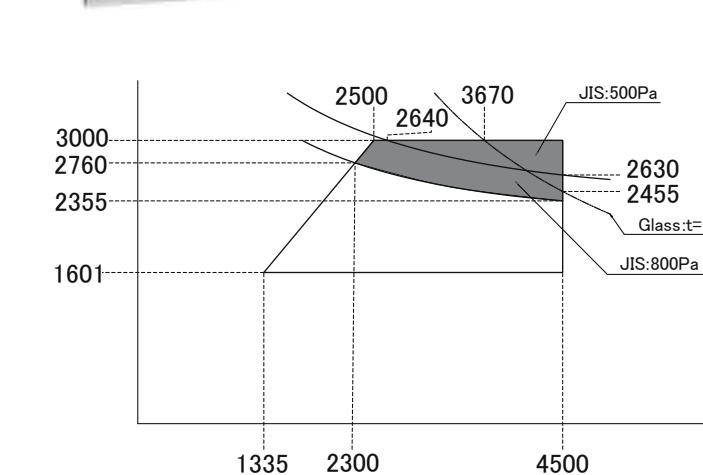
- Available in SG and IG unit
- In case of over 10mm glass thickness, please consult with our technician
- External insect screen available
- Internal insect screen (optional)
- Barrier attachment option



Sliding Door (3 panels on 3 tracks)



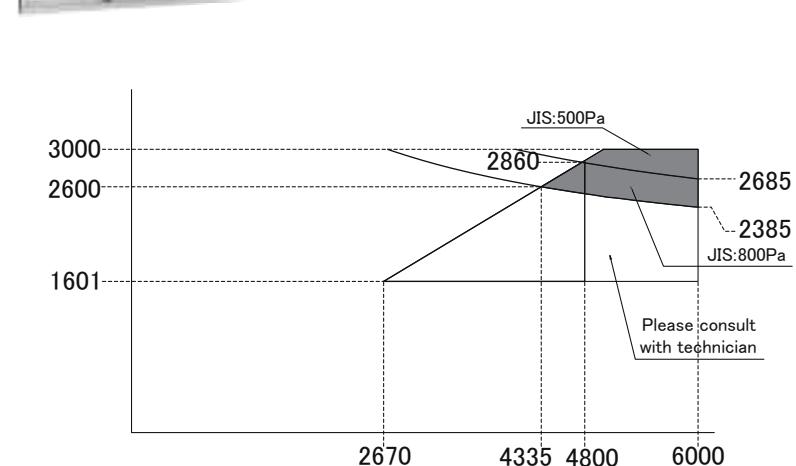
- Available in SG and IG unit
- In case of over 10mm glass thickness, please consult with our technician
- External insect screen available



Sliding Door (6 panels on 3 tracks)



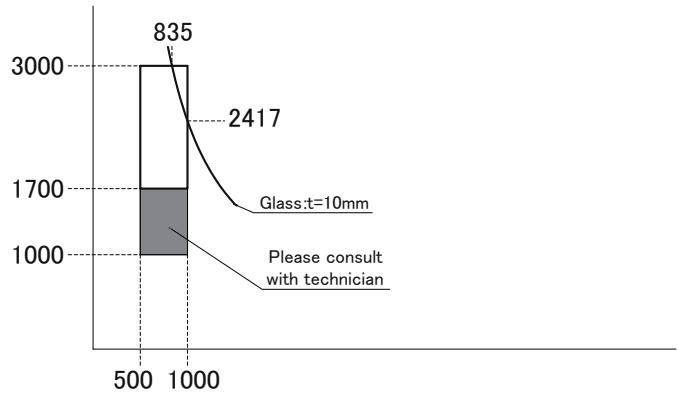
- Available in SG and IG unit
- In case of over 10mm glass thickness, please consult with our technician
- External insect screen available



Out-Swing Door (Single)



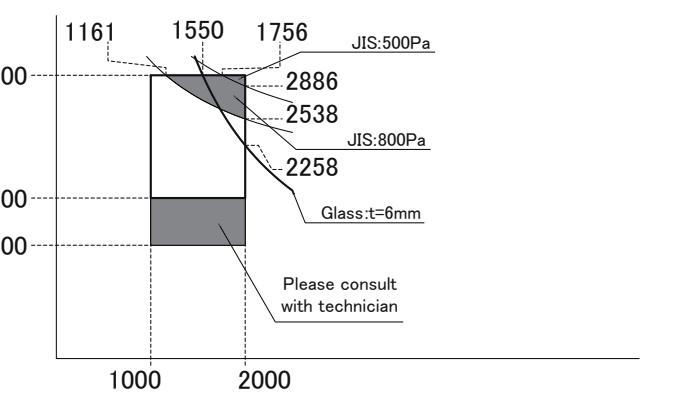
- Available in SG and IG unit
- In case of over 10 mm glass thickness, please consult with our technician
- Door closer Not available
- Select from L/R
- Pleated screen available



Out-Swing Door (Double)



- Available in SG and IG unit
- In case of over 10 mm glass thickness, please consult with our technician
- Door closer Not available
- Select from L/R
- Pleated screen 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)
- 90° mullion (only for outward corner)



WE 70 Series

WE 70 series brings legendary TOSTEM quality to everyday life. Built for the mass market, yet maintaining strict quality standards. The WE 70 series is priced within everyone's reach.

WE 70 ซีรีส์กีําถ่ายทอดคุณภาพระดับสูงจากอสังหาริมทรัพย์ทั่วโลก ด้วยสถาปัตยกรรมแบบใหม่ที่น่าทึ่งในระดับราคาที่ย่อมเยากว่า ที่ทุกคนสามารถเข้าถึงได้

SPECIFICATIONS

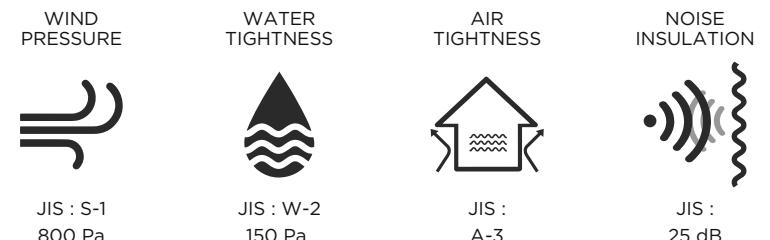
| | |
|------------------------------------|------------------------------------|
| Frame Depth ความหนาของวงกบ | 72 mm 104 mm (3 tracks sliding) |
| Height of Sill ความสูงของรองรับ | 35 mm |
| Glass Thickness ความหนาของกระจก | 5, 6, 8 mm |



COLOR



PERFORMANCES



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

* ระดับประสิทธิภาพตามมาตรฐานอุตสาหกรรมญี่ปุ่น JIS (A4706 และ A4702) ภายใต้การทดสอบในห้องจำลองเพื่อทดสอบคุณสมบัติทางกายภาพและลักษณะของโครงสร้างที่ต้องการทดสอบ ที่อุณหภูมิ 23°C ± 2°C และความชื้น 50% ± 5% สำหรับข้อกำหนดที่ต้องการทดสอบ ต้องใช้เวลาประมาณ 1 นาที

UNIQUE Features



Watertight sill with drainage devices prevents rain water
ป้องกันน้ำฝน滲透並排水



1



Easily adjustable outer-panel lock
ตัวล็อกบาน ป้องกันการจัดเปิดบานจากผู้บุกรุก



Internal sliding insect screen
บานผู้บุกรุกแบบลื่นติดตั้งด้านในบาน



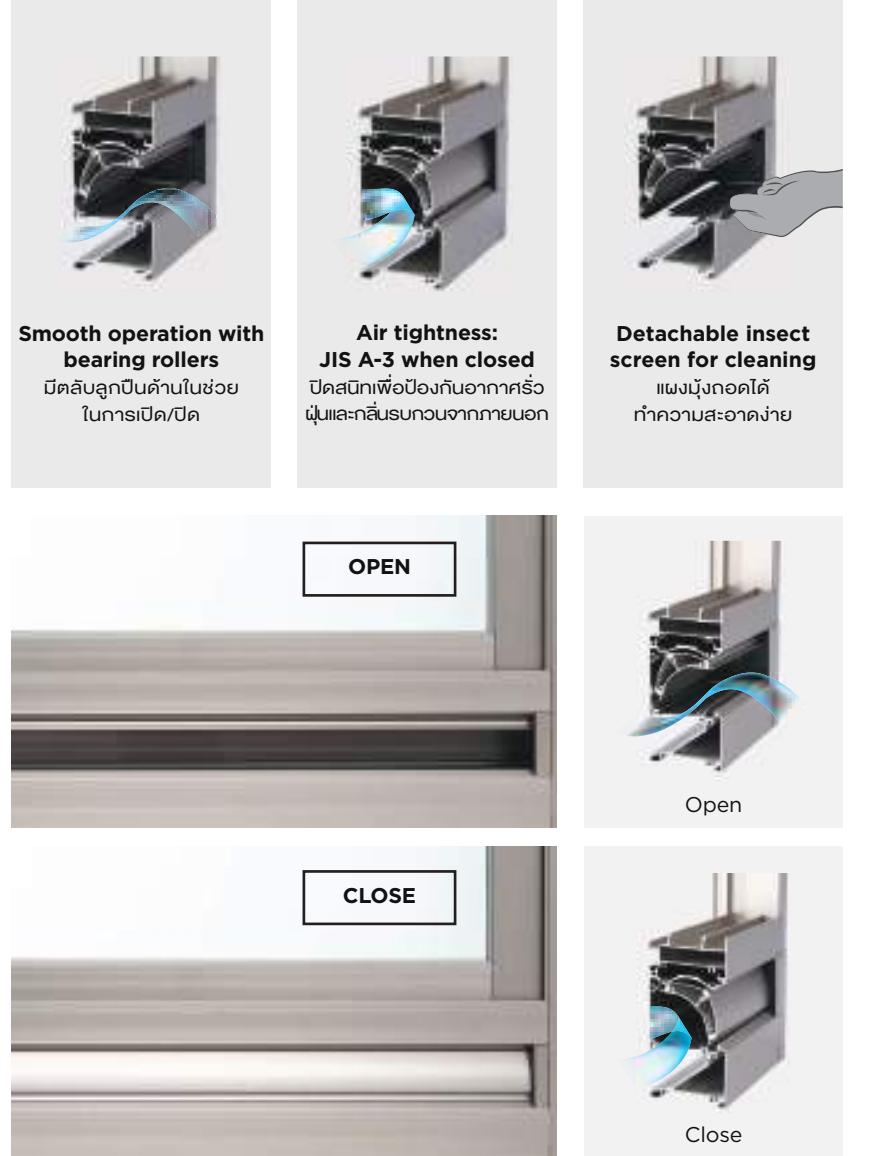
Combination with fixed window without additional transom.
ตัวบานซองแบบลื่นไม่มีตัวกลาง

AIRFLOW Systems

ສະບຸວະບາຍອາກາສ

AirFlow Slot designed to truly boost living space ventilation performance as when opened, fresh air can flow in and reduce room's temperature in daytime and when closed, dust and odor from outside is blocked to enter the living space.

AirFlow Slot ຖຸກອອກແບບມາພໍ່ເພື່ອພື້ນປະສົກຝາພກຮະບາຍອາກາສ ຂອງກີ່ອຍ່າວັດຍ່າງແກ້ຈິງ ເນື່ອເປີດຈະເປັນກາງຮັບຄົມເຢັນຈາກກາຍນອກ ເພື່ອຊ່ວຍລຸດອຸນຫຼຸມຫອງຮະຫວ່າງວັນ ແລະເນື່ອປັດ ກີ່ປັ້ງກັນຟຸນ ແລະ ກັ່ນຮັບກວນກາຍນອກໄດ້ອ່າຍໆດີ



AirFlow Door designed to create air ventilation using immense vertical sliding panel that function smoothly even when the door is locked, sliding without effort and the panel can be in partial/fully open position.

AirFlow Door ດີ່ນນາເພື່ອສ້າງກາຮະບາຍອາກາສດ້ວຍຕົວບານເລື່ອນແບວຕັ້ງບາດໃຫຍ່ແນບໃນເວລາກໍເປີດສຶກປະຕູອຸຍ່ງ ບານເລື່ອນເປີດປັດໄດ້ນໍາຍ ເບາແຮງ ແລະເປີດຄ້າງໄວໄດ້ໂດຍບານຈະໄມ່ເລື່ອນລົງເອງ



SECURITY GRILLS AND INSECT SCREEN
ຮະແບກຕົນໂນຍະບານນັ້ນ



Please scan for
Product Demonstration



FOLDING Door ประตูบานพับ

Smart design profiles and high quality accessories create an elegant and stylish look while being easy to use. Suitable for both luxury residential and commercial projects.

ด้วยโปรดีฟส์ที่ถูกออกแบบอย่างชาญฉลาดและติดตั้งชุดอุปกรณ์คุณภาพสูงทำให้บานพับนี้ความสวยงามและหรูหราอย่างมีสไตล์ แต่ยังคงใช้งานสะดวกพร้อมที่ใช้น้ำแบบเปิดกีฬาหลาย



Please scan for
Product Demonstration

UNIQUE Features



Watertight sill with drainage system
ระบบระบายน้ำ ป้องกันน้ำฝนรั่วเข้าภายใน



Flat sill is available and allows barrier-free passage
มีร่องน้ำแบบเรียบให้เลือกใช้ สะดวกและปลอดภัยสำหรับเด็กเล็ก ผู้สูงอายุ และผู้ใช้รถเข็น



Smart designs prevent finger injuries
สามารถดีไซน์ เสริมยางป้องกันอุบัติเหตุจากการถูกประดู่หันบัน



Hinge-less design
โปรดีฟส์แบบไม่มีบานพับจะลดเวลาในการติดตั้ง

PRODUCT Variety (Inside view)

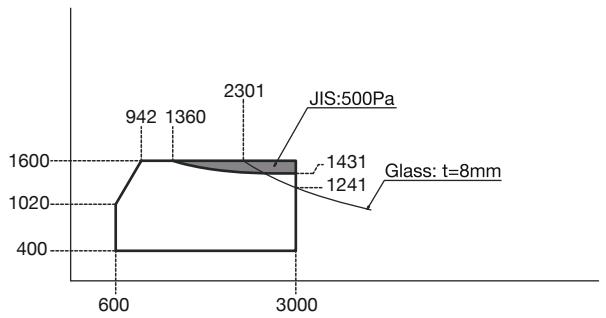
| PANELS | ONE WAY | BOTH WAYS | CENTER |
|-----------|---------|-----------|--------|
| 4 PANELS | | | |
| 6 PANELS | | | |
| 8 PANELS | | | |
| 12 PANELS | | | |
| 16 PANELS | | | |

WINDOWS

Sliding Window (2 panels on 2 tracks)



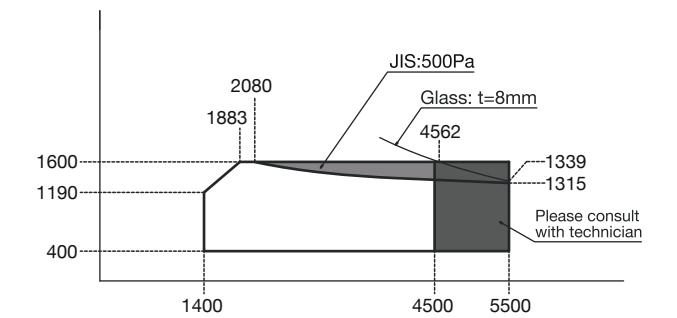
- Internal insect screen available.
- External insect screen available with a special order.
- Single sliding available (L/G)
- Can combine with Airflow slot with 25 kg. maximum glass weight.



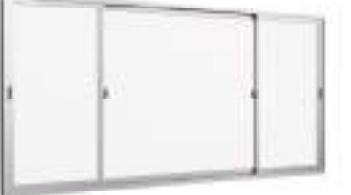
Sliding Window (4 panels on 2 tracks)



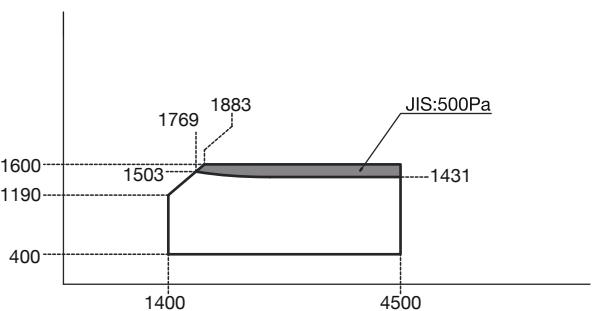
- Internal insect screen available.
- External insect screen available with a special order.
- Can combine with Airflow slot with 25 kg. maximum glass weight.



Sliding Window (3 panels on 2 tracks) SFS



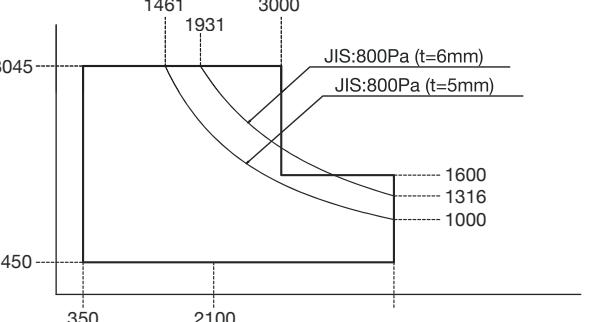
- Internal insect screen available.
- External insect screen available with a special order.
- Can combine with Airflow slot with 25 kg. maximum glass weight.



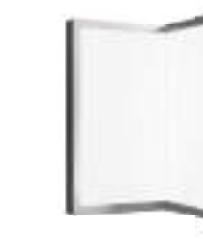
Fixed Window



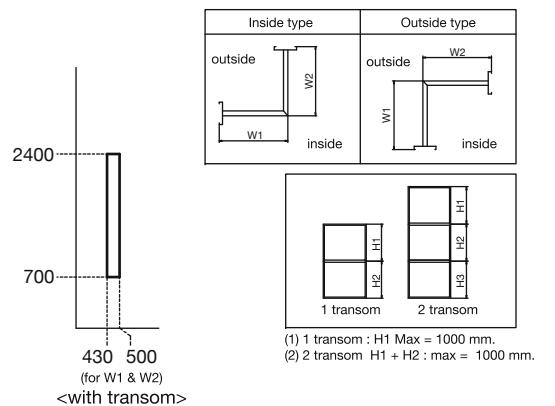
- Up to 4 fixed windows with unitized mullion
- Wind load performance varies by glass thickness Please consult with our technician
- Can combine with Airflow slot with 25 kg. maximum glass weight.



Corner Fixed Window



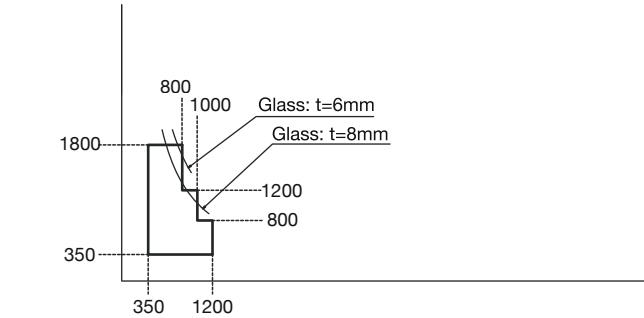
- Both In/outward corner available
- Middle bar (optional)



Awning Window



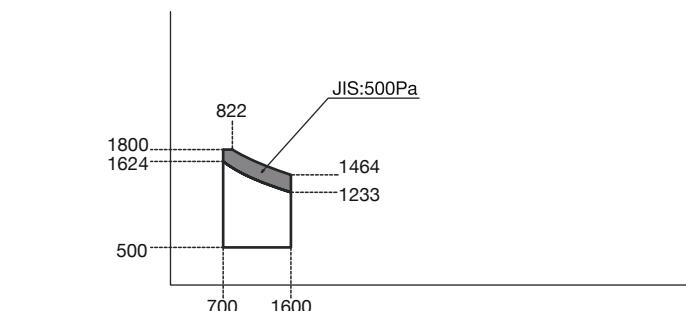
- Insect Screen available
- Can combine with Airflow slot with 25 kg. maximum glass weight.



Double Casement Window

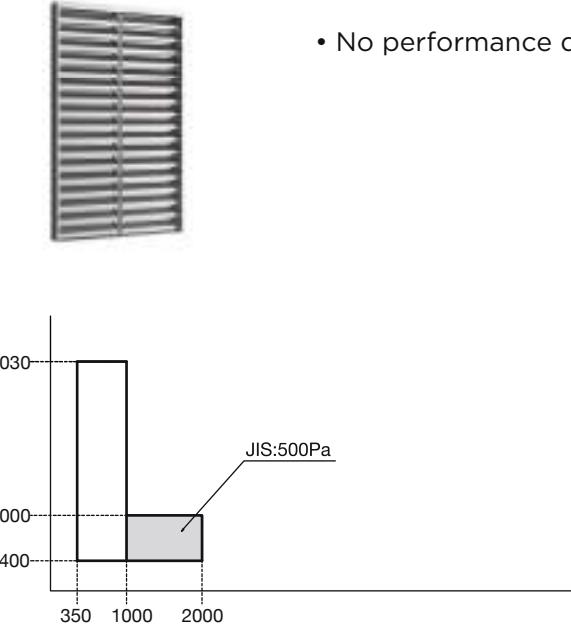


- Insect Screen available
- Can combine with Airflow slot with 25 kg. maximum glass weight.



WINDOWS

Aluminium Louver



- No performance determined

Glass Louver



- Single, double, triple are available
 - Insect screen available
 - Water performance JIS: W-1 (100Pa)
- * Please consult with our sales rep. for lead-time

| Size | Height (H) | | Width (W) | | |
|------|------------|---------|-----------|----------|----------|
| | Blades | Handles | Single | Double | Triple |
| 0312 | 3 | 1 | Min 400 | Min 801 | Min 1601 |
| 0401 | 4 | | | | |
| 0490 | 5 | | | | |
| 0579 | 6 | 2 | Max 800 | Max 1600 | Max 2400 |
| 0668 | 7 | | | | |
| 0757 | 8 | | | | |
| 0846 | 9 | 3 | | | |
| 0935 | 10 | | | | |
| 1024 | 11 | | | | |
| 1113 | 12 | | | | |
| 1202 | 13 | | | | |
| 1291 | 14 | | | | |
| 1380 | 15 | | | | |
| 1469 | 16 | | | | |
| 1558 | 17 | | | | |
| 1674 | 18 | | | | |
| 1736 | 19 | | | | |
| 1825 | 20 | | | | |
| 1914 | 21 | | | | |
| 2003 | 22 | | | | |



DOORS

Sliding Door (2 panels on 2 tracks)



- Sill options (standard & floor finish)
- Single sliding available (L/R)
- Insect screen available (internal)

Sliding Door (4 panels on 2 tracks)



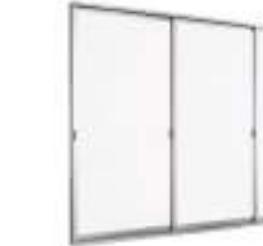
- Sill options (standard & floor finish)
- Insect screen available (internal)

Sliding Door (3 panels on 2 tracks) SFS



- Sill options (standard & floor finish)
- Insect screen available (internal)

Sliding Door (3 panels on 3 tracks)



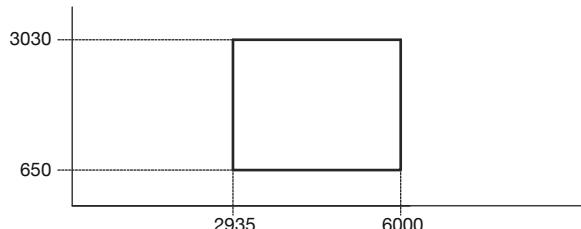
- Sill options (standard & floor finish)
- Insect screen available (internal)

DOORS

Folding Door (8 panels)



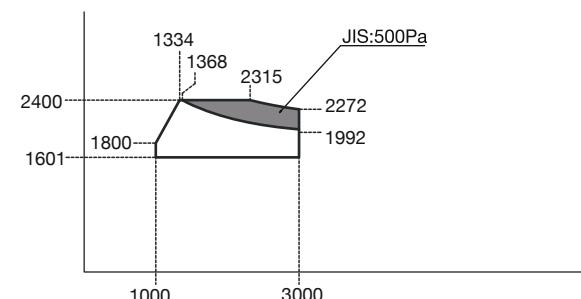
- Sill option (standard & flat)
- 1 panel weight cannot exceed 40 kg.
- 1 panel width limit 350 - 850 mm.
- Choose from
 - One way open (select L/R)
 - Both ways open
 - Center open
- Water performance is JIS: 120 pa
*in case of flat-sill, no air and water performance determined



Entrance Sliding Door (2 panels on 2 tracks)

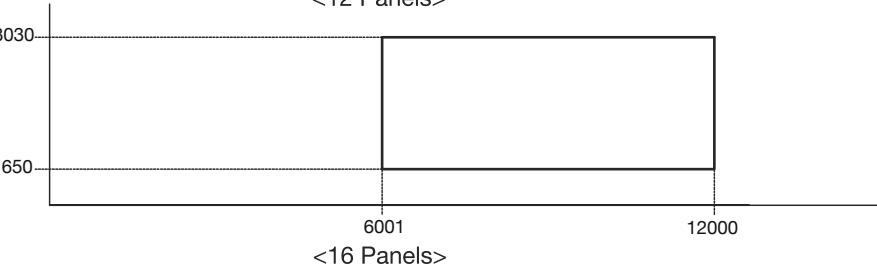
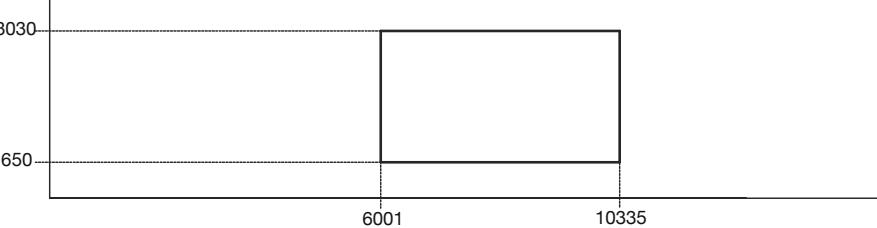


- Sill options (standard & floor finish)
- Single sliding available (L/R)
- External Insect screen available

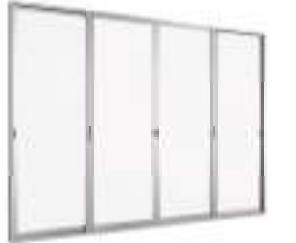


Folding Door (12,16 panels)

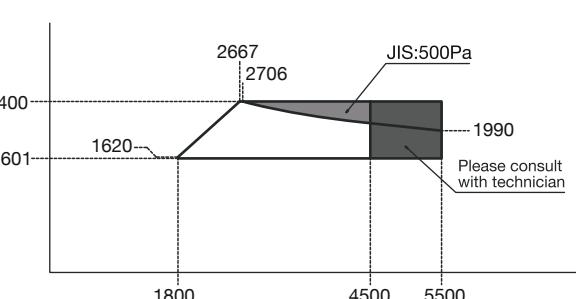
- Sill option (standard & flat)
- 1 panel weight cannot exceed 40 kg.
- 1 panel width limit 350 - 850 mm.
- Center open only
- No air and water performance determined



Entrance Sliding Door (4 panels on 2 tracks)



- Sill options (standard & floor finish)
- External Insect screen available



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 (2 panels on 2 tracks) | Sliding Window (4 panels on 2 tracks) | Sliding Window (3 panels on 2 tracks) SFS | Single Awning | Single Casement | Double Casement | 1 Panel Fix | 2 Panels Fix | 3 Panels Fix | 4 Panels Fix | Outward Corner Fix |
| Sliding Window (2 panels on 2 Tracks) | | | | | | | ● | ● | | | |
| Sliding Window (4 panels on 2 Tracks) | | | | | | | ● | ● | ● | ● | |
| Sliding Window (3 panels on 2 Tracks) SFS | | | | | | | ● | ● | ● | ● | |
| Single Awning | | | | | | | ● | | | | |
| Single Casement | | | | | | | ● | | | | |
| Double Casement | | | | | | | ● | ● | | | |
| 1 Panel Fix | ● | | | ● | ● | ● | ● | ● | ● | ● | |
| 2 Panels Fix | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| 3 Panels Fix | | ● | ● | | | | ● | ● | ● | ● | |
| 4 Panels Fix | | ● | ● | | | | ● | ● | ● | ● | |
| Outward-Corner Fix | | | | | | | | | | | ● |
| Inward-Corner Fix | | | | | | | | | | | ● |

UNIT DOORS

| Bottom Doors | Top Windows | | | |
|---|-------------|--------------|--------------|--------------|
| | 1 Panel Fix | 2 Panels Fix | 3 Panels Fix | 4 Panels Fix |
| Sliding Door (2 panels on 2 Tracks) | ● | | ● | |
| Sliding Door (4 panels on 2 Tracks) | | ● | | ● |
| Sliding Door (3 panels on 2 Tracks) SFS | | ● | ● | |
| 2 Panels Fix | ● | | ● | |
| 3 Panels Fix | | ● | ● | |
| 4 Panels Fix | | ● | | ● |
| Swing Door (Single) | | ● | | |
| Swing Door (Double) | | ● | | |



WE 70 PROJECT REFERENCE
NANTAWAN RAMA 9 - SRINAKARIN, BANGKOK



WE 70 PROJECT REFERENCE

NANTAWAN RAMA 9 - SRINAKARIN, BANGKOK



WE 40 Series

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

WE 40 ซีรีส์เดียว หน้าต่างที่ด้วยก่อคุณภาพระดับสูงจาก ก่อสเก็บให้แต่ละบานของเซ็ตถูกออกแบบให้คงคุณภาพตาม มาตรฐานที่เข้มงวดในระดับราคาที่ยอมเยากว่าที่ทุกคนสามารถ เข้าถึงได้

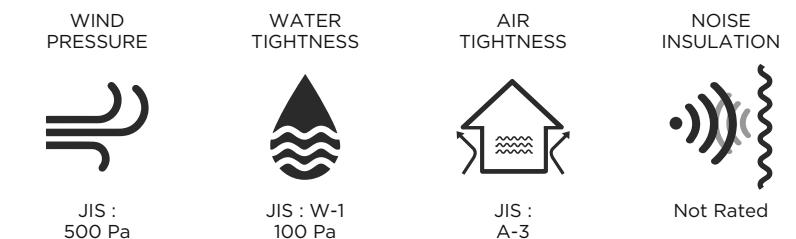
SPECIFICATIONS

| | |
|------------------------------------|---------|
| Frame Depth ความหนาของวงกบ | 41 mm |
| Height of Sill ความสูงของ sill | 35 mm |
| Glass Thickness ความหนาของกระจก | 5, 6 mm |

COLOR



PERFORMANCES



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

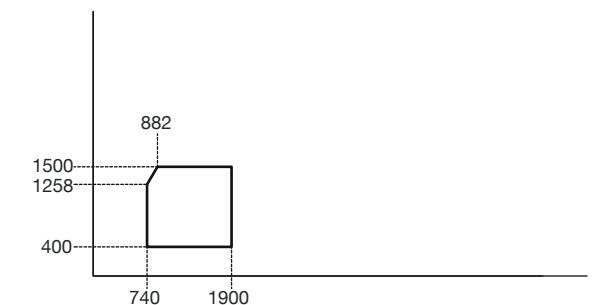
* ระดับประสิทธิภาพตามมาตรฐานอุตสาหกรรมญี่ปุ่น JIS (A4706 และ A4702) ภายใต้การทดสอบในห้องจำลองเพื่อทดสอบค่าความต้านทานที่เข้มงวดที่สุด สำหรับข้อมูลเพิ่มเติม กรุณาติดต่อผู้เชี่ยวชาญด้านเสียง

WINDOWS

Single Sliding Window



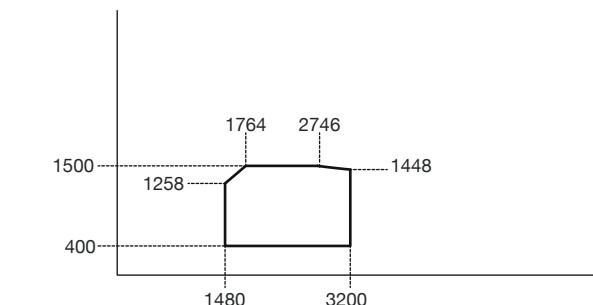
- Select from L/R
- External fixed insect screen available



Center Sliding Window



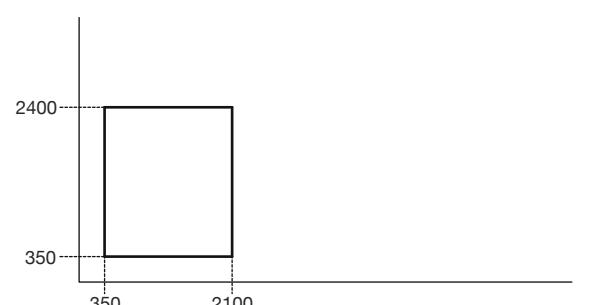
- External fixed insect screen available



Fixed Window



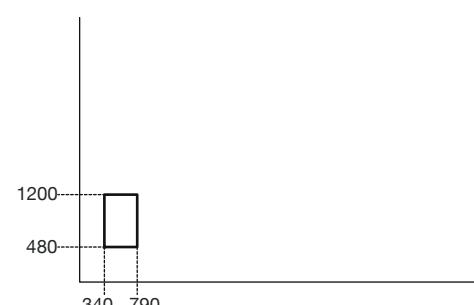
- Wind load performance varies by glass thickness. Please consult with our technician.



Awning Window



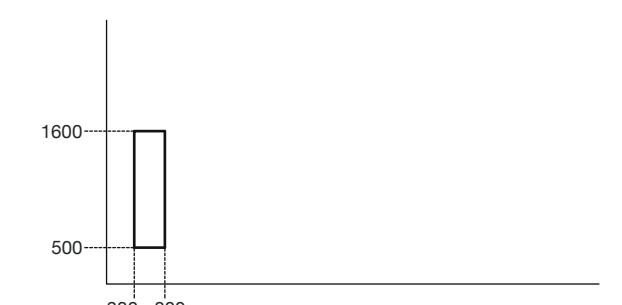
- Insect screen NOT available



Casement Window



- Insect screen NOT available

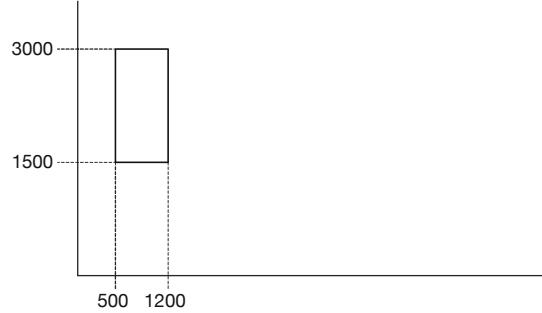


DOORS

On-wall Hanging Door (1 panel on 1 track)



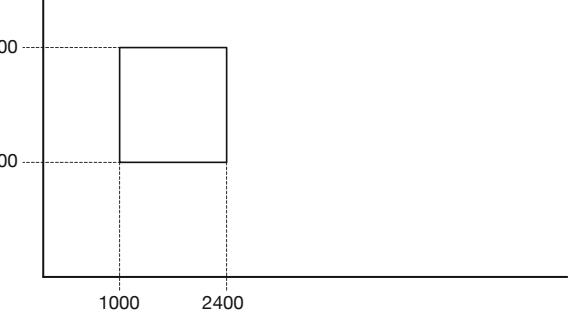
- Select from L/R
- Lock (optional)
- Soft close (optional)
- Select from with or without ending jamb



On-wall Hanging Door (2 panels on 1 track)



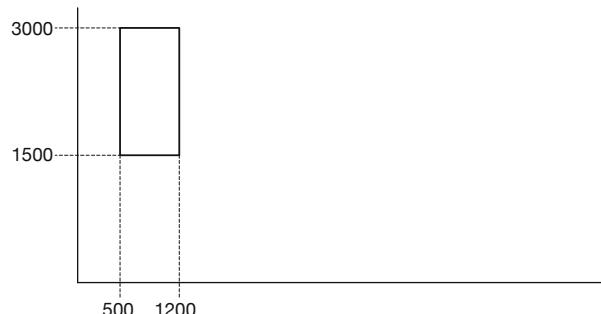
- Lock (optional)
- Soft close (optional)
- Select from with or without ending jamb



In-wall Hanging Door (1 panel on 1 track)



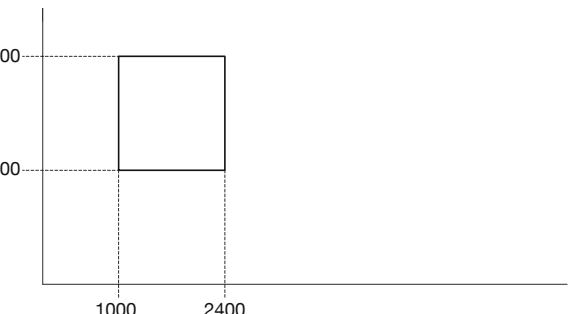
- Select from L/R
- Lock (optional)
- Soft close (optional)
- Can be a pocket door
- Select from with or without ending jamb



Hanging Door (2 panels on 2 tracks)



- Select from L/R
- Lock (optional)
- Soft close (optional)
- Only single slide L/R available
- Select from Fix-Slide or Slide-Fix

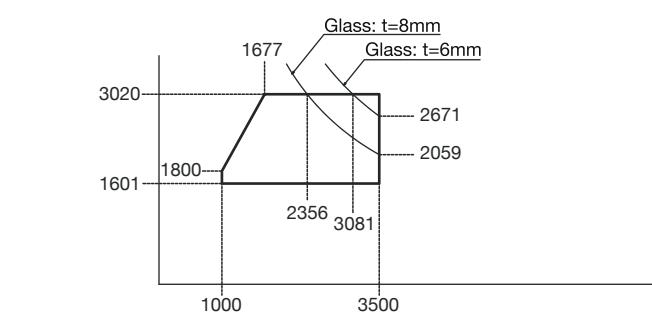


DOORS

Partition Door (2 panels on 2 tracks)



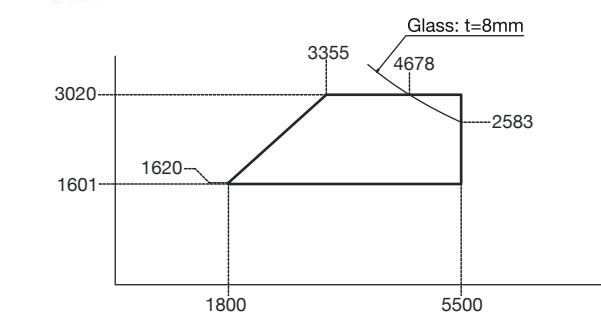
- No performance determined



Partition Door (4 panels on 2 tracks)



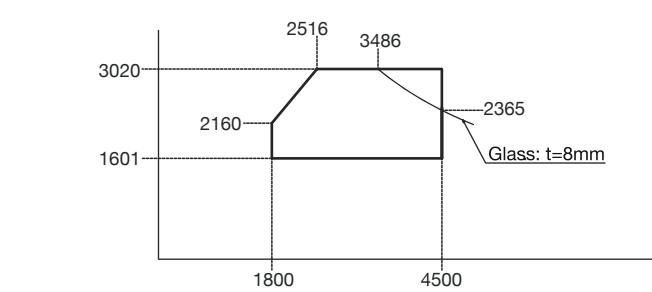
- No performance determined



Partition Door (3 panels on 3 tracks)



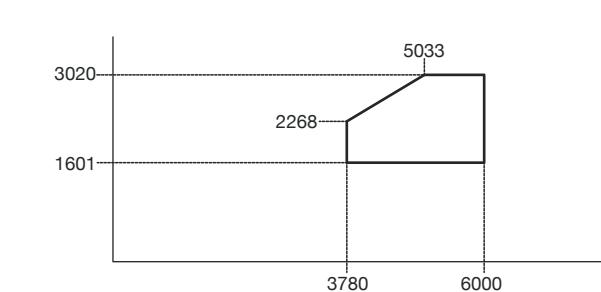
- No performance determined

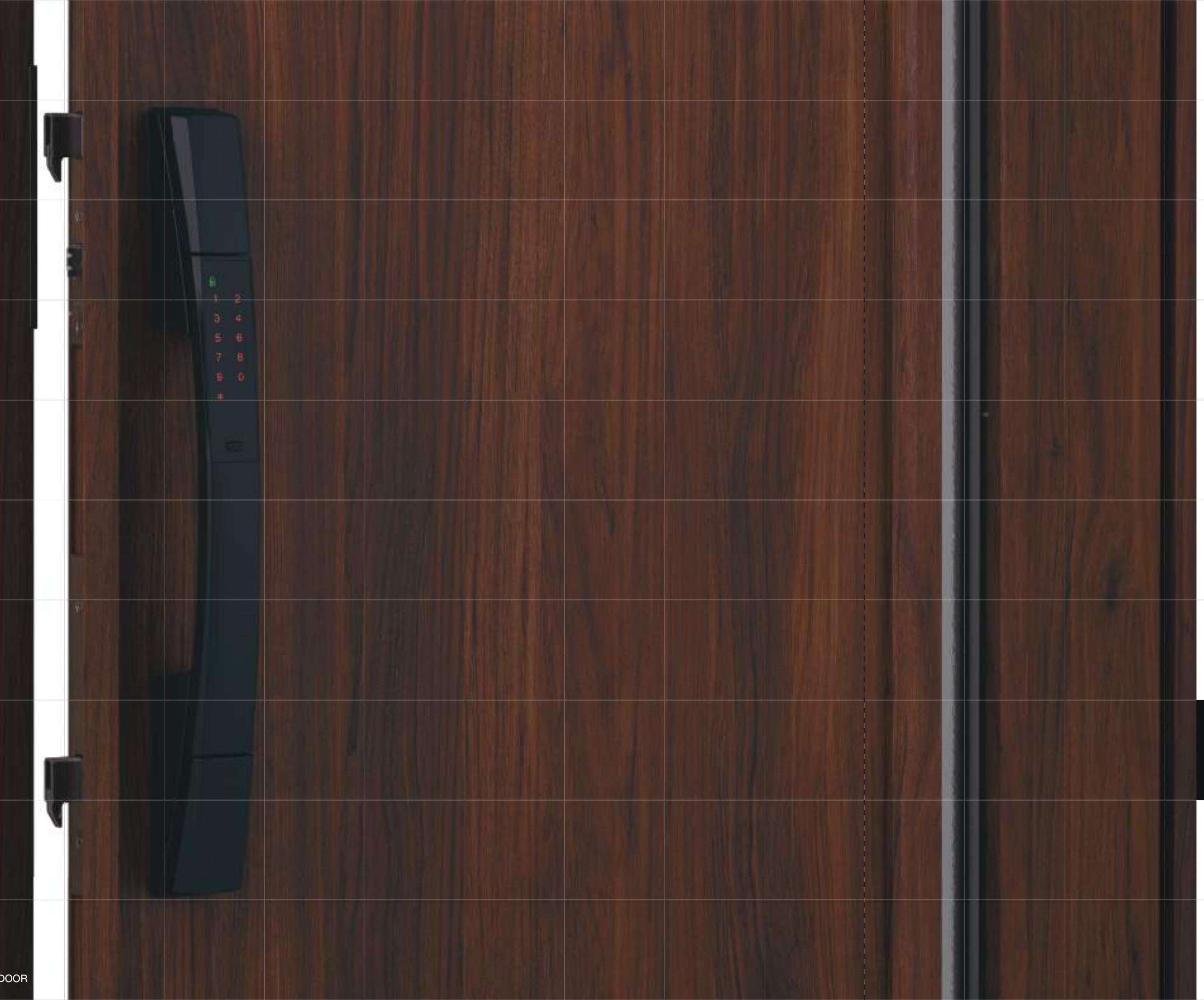


Partition Door (6 panels on 3 tracks)



- No performance determined





ENTRANCE DOOR



GIESTA PROJECT REFERENCE
Nantawan Rama 9, Bangkok

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.

ประตูเหล็กลายไม้คุณภาพสูง ติดตั้งระบบมือจับที่ใช้งานง่าย พร้อมระบบล็อกนิรภัยที่เปลี่ยนหน้า ให้ความสะดวกสบายแก่ทุกสมาชิกครอบครัวและผู้มาเยือนยืนยัน

**YOUR HOME
STARTS FROM YOUR
ENTRANCE DOOR**

Stepping into your home should make you relieved, comfortable and happy. GIESTA's high quality wood-pattern or metallic finish-doors, equipped with user-friendly handles with high security lock systems give increased convenience to both family and visitors and make us feel glad to be home.

ประตูหน้าบ้านคือจุดที่จะนำคุณเข้าสู่พื้นที่ของความสุขความสบายและการพักผ่อน GIESTA ประตูเหล็กลายไม้คุณภาพสูง ติดตั้งระบบมือจับที่ใช้งานง่ายพร้อมระบบล็อกนิรภัยที่เปลี่ยนหน้า ให้ความสะดวกสบายแก่ทุกสมาชิกในครอบครัวและผู้มาเยือนยืนยัน

GIESTA Series

UNIQUE FEATURES

SPECIFICATIONS

| | |
|---------------------------------------|---|
| Frame Depth ความหนาของวงกบ | 101.6 mm |
| Height Of Sill ความสูงห้วยประตู | Out-Swing 50 mm In-Swing Outside 30 / Inside 14 mm. |
| Door Frame ชิ้นดีดของวัสดุวงกบ | FRAME วงกบ Wood pattern type: Wood pattern resin sheet, wrapping on aluminium profile with synthetic rubber อะลูมิเนียมโปรไฟล์กุ้มด้วยแผ่นเรซินลายไม้และยาง |
| | Painted type Anodized aluminium profile อะลูมิเนียมโปรไฟล์ |
| | SILL ห้วยประตู Anodized aluminium profile |
| Door Panel ชิ้นดีดของวัสดุบานประตู | EXTERNAL SHEET แผ่นประตู Wood pattern type : (External) Resin laminated sheet/ (Internal) Anti-rust epoxy coating (ด้านนอก) เคลือบโพลีอีสเทอร์ - โพลิเมอร์ / (ด้านใน) เคลือบกันสนิมอพีโอดีซี |
| | Polystyrene (EPS Foam) อัลบูโรลิสไทรีน |
| | Insulating glass thickness 23 mm (Cleared 3+Air gap 16+Patterned glass 4) กระฉก 2 ชั้น ความหนารวม 23 มม |



PERFORMANCES

| WIND PRESSURE | WATER TIGHTNESS | AIR TIGHTNESS |
|---|--|--|
| | | |
| JIS : S-2 (1200 pa) 1200 Pa ASTM : 1200 Pa | Out-Swing : JIS : W-2 (150 pa) ASTM : 150 Pa | Out - Swing : JIS : A-4 In - Swing with sill ASTM : 75 pa |



Please scan for
Product Demonstration

PRODUCT Variety

OUTSIDE VIEW

| LARGE STANDARD | L R In - Swing non sill | L R In - Swing | L R Out - Swing | L R Out - Swing Airflow |
|-------------------|---|--|--|--|
| Single Left | 2548 2300 1935 (2235) 718 (868) 1080 900 | 2564 2300 1951 (2251) 718 (868) 1080 900 | 2575 2300 1962 (2262) 718 (868) 1080 900 | 2575 2300 2000 718 (868) 1080 900 |
| With Sidelight | With glass Without glass 2548 2300 1935 (2235) 1034 (1184) 1200 1034 1438 | 2564 2300 1951 (2251) 1034 (1184) 1200 1034 1438 | 2575 2300 1962 (2262) 1034 (1184) 1200 1034 1438 | 2575 2300 2000 1034 (1184) 1200 1034 1438 |
| Double Left | 2548 2300 1935 (2235) 1374 (1674) 1800 2098 | 2564 2300 1951 (2251) 1374 (1674) 1800 2098 | 2575 2300 1962 (2262) 1374 (1674) 1800 2098 | |

* Numbers indicated in () are the minimum dimensions for G01 design.

SIMPLE and MINIMALISTIC



P01



P02



P03

COLORS



Turin Pine



Crea Mocha



Crea Rusk



Teak



Polish Silver



Silly White



Autumn Brown

MODERN but TRADITIONAL



D01



D02



D03

COLORS



Turin Pine



Crea Mocha



Crea Rusk



Teak



GLASS with STYLE



G01



G02



G03



G04

COLORS



Turin Pine



Crea Mocha



Crea Rusk



Teak



Polish Silver*



Silky White*



Autumn Brown*

*Not available for G01



COMFORT with MINIMAL DESIGN



A01

COLORS



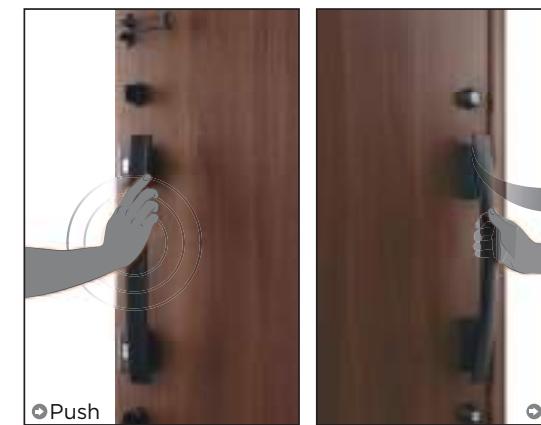
Crea Mocha



Crea Rusk

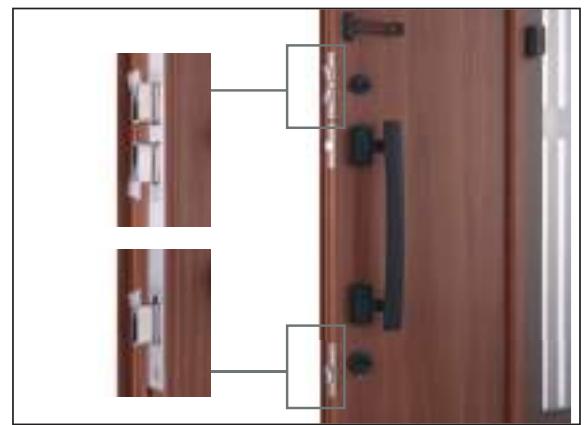


UNIQUE Features



Push-Pull bar handle easy to operate just push or pull after unlock to open the door

บีบอัดแบบบาร์ PUSH-PULL หลังจากปลดล็อก เพียงกดหรือดึงเบาๆ เพื่อเปิดประตู



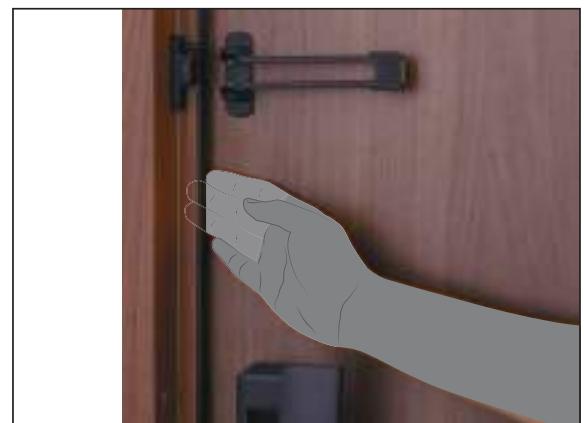
ติดตั้งล็อก 2 จุด ควบคุมกลอนแบบขอเกี่ยว 3 จุด



ปลดปล่อยลูกบิดค้างในบ้านออก เพื่อป้องกันการปลดล็อก หากมีการทุบกระเจ้า และข่องเมื่อเข้าบ้านปลดล็อก



คลอกรุกษ์และ Reversible กลับด้านบน-ล่างได้เพื่อใช้รุกษ์และด้านบน-ล่างได้สะดวก



กรุยางรอบตัววงกบเพื่อป้องกันน้ำและช่วยป้องกันอุบัติเหตุรุนแรงจากประตูหนีบ



ภายในบ้านประดู่และรั่มน้ำดักแด้บเพื่อป้องกันความร้อนและเสียงรบกวนจากภายนอก

NEW GIESTA Airflow

A perfect solution for your own comfort with minimal design

High performance wooden pattern steel door GIESTA AirFlow series with integrated airflow window and insect screen is perfect that combination keeps design and housing comfort at heart. GIESTA AirFlow allows air inside your house to circulate in and out all day to cool the living space, reduce humidity, remove unpleasant odor for serene ambience.

Invented to truly create soothing ambience and adding comfort to your home. Let the wind flow into the living space by opening ventilation panel without worrying as the airflow panel is wide enough to let the air flow in easily and too small to be entered from.

Raising security to another level with multi-lock function to lock and unlock by single lock at handle but securely lock 2 positions.

GIESTA AirFlow is Japanese Industrial Standards (JIS) certified and guaranteed with Japan's KIDS Design Award for its user-friendly and child safety design.

ประตู GIESTA AirFlow Series ประตูเหล็กภายในคุณภาพสูงที่มาพร้อมหน้าต่างระบายอากาศแบบฝังในบาน พัฒนาขึ้นเพื่อความลับของบ้านดีไซน์ที่คำนึงถึงความสะดวกสบายในที่อยู่อาศัยเป็นสำคัญ GIESTA AirFlow ช่วยสร้างการไหลเวียนของอากาศภายในได้ตลอดวัน ทำให้บ้านเย็นขึ้น ลดความชื้น ระบายกลิ่นที่ไม่พึงประสงค์ สร้างบรรยากาศที่ปลอดโปร่งและเพิ่มความสบายในบ้านอย่างแท้จริง ซึ่งรับลมให้เข้าสู่ตัวบ้านได้มาก แต่ปลอดภัยสูง เพราะฉะนั้น มีขนาดเล็กพอที่จะป้องกันคนลอดผ่านหน้าต่างได้ เพิ่มประสิทธิภาพในการป้องกันแมลงและยุง ด้วยตัวล็อกหน้าต่างแบบ Multi-lock ที่ล็อกและปลดล็อกด้วยก้านโยกจุดเดียวบังคับล็อก 2 จุด GIESTA AirFlow ผ่านการทดสอบ ประสิทธิภาพการป้องกันตามมาตรฐานอุตสาหกรรมญี่ปุ่น (JIS) นอกจากนี้ยังใช้งานง่ายและลงตัว กับทุกฟังก์ชัน ในการติดตั้งโดยคำนึงถึงความปลอดภัยสำหรับเด็ก ที่ยืนยันด้วยรางวัล KIDS Design Award ประเทศญี่ปุ่น

Provide passive ventilation environment
สร้างการไหลเวียนอากาศโดยธรรมชาติ



Complete air flow with security
หมอนห่วงเรืองผู้บุกรุก



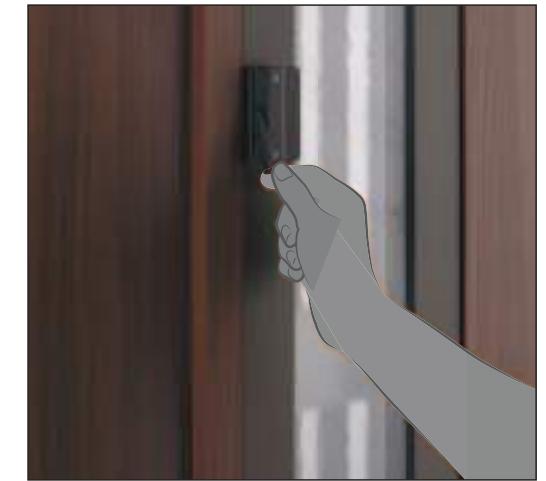
Keep mosquito and pest away from your home
ป้องกันยุงและแมลงรบกวนจากภายนอก



เปิดปิดง่าย / 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.

หน้าต่างระบายอากาศแบบเปิดเข้าด้านใน สือกและปลดล็อกได้ง่ายด้วยก้านโยกล็อกจุดเดียวที่ควบคุมการทำงานของหัวล็อก 2 จุด (multi -lock) ควบคุมการสวิงเปิดปิดให้บุบลื่นด้วยบานพับคุณภาพสูง



Lift lock handle to unlock
บีบก้านโยกขึ้นค้างบน เพื่อปลดล็อก



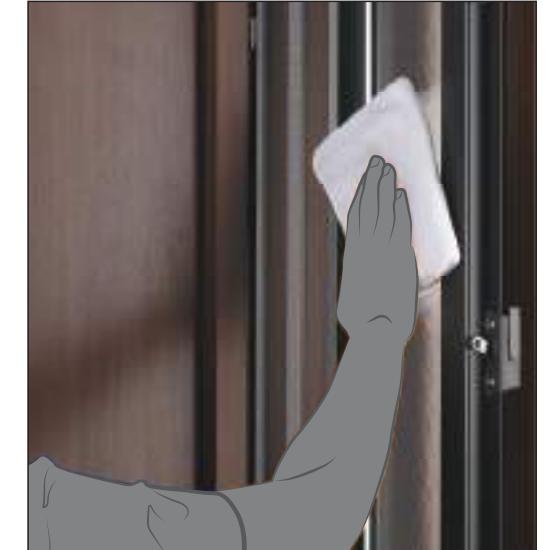
Pull down lock handle for ventilation
จับกับเมื่อจับและดึงเข้าด้านในให้ห้องเปิด



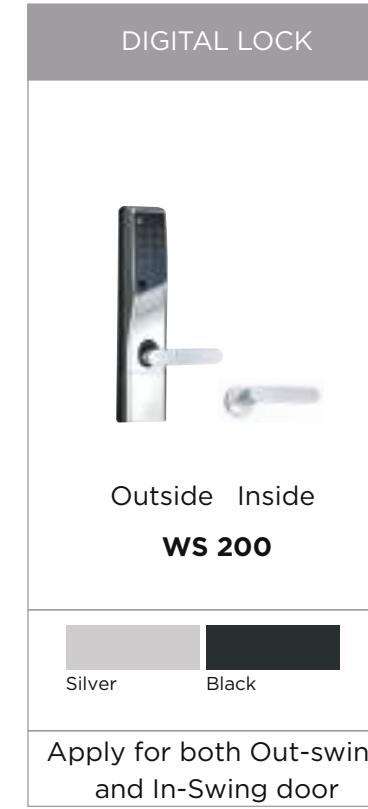
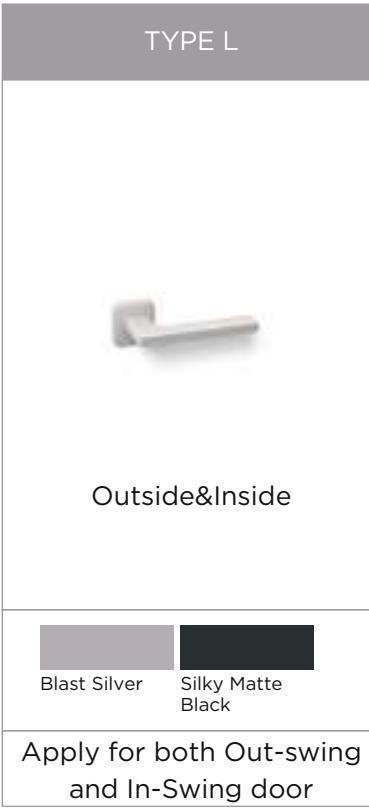
ทำความสะอาดง่าย / EASY TO CLEAN

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)

ทำความสะอาดทุกจุดได้ง่ายด้วยตัวคุณเองโดยไม่ต้องถอดชิ้นส่วนใดออก ด้วยการใช้สายยางฉีดน้ำล้าง ผึ่งน้ำออกจากด้านนอกห้องได้ง่ายดาย
(ปิดหน้าต่างและประตูให้สนิทก่อนฉีดน้ำ)



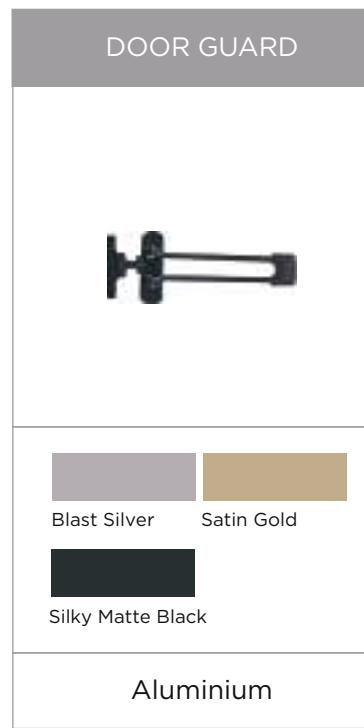
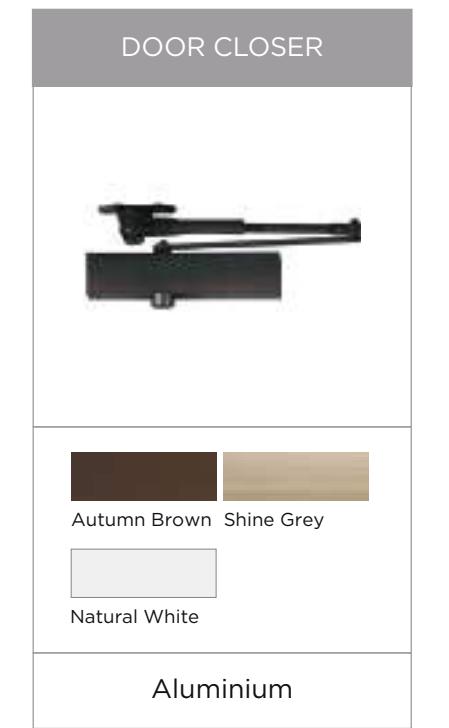
HANDLES



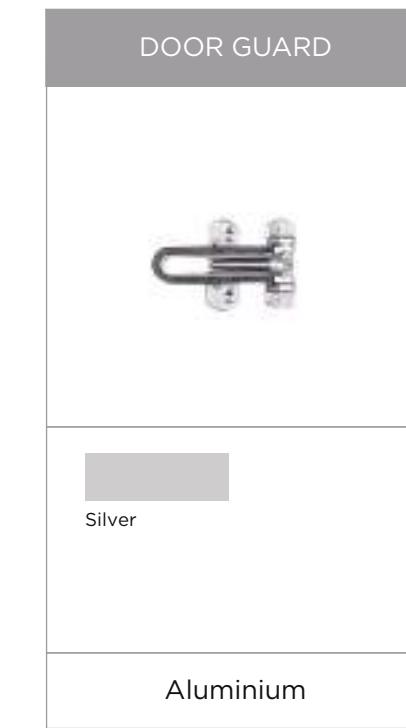
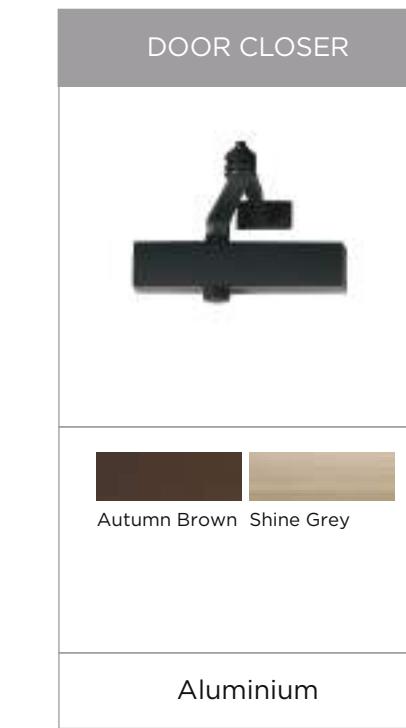
- *Handle A and F
- Can be applied to In-swing door as special order.
- Handle will be inside out.

ACCESSORIES

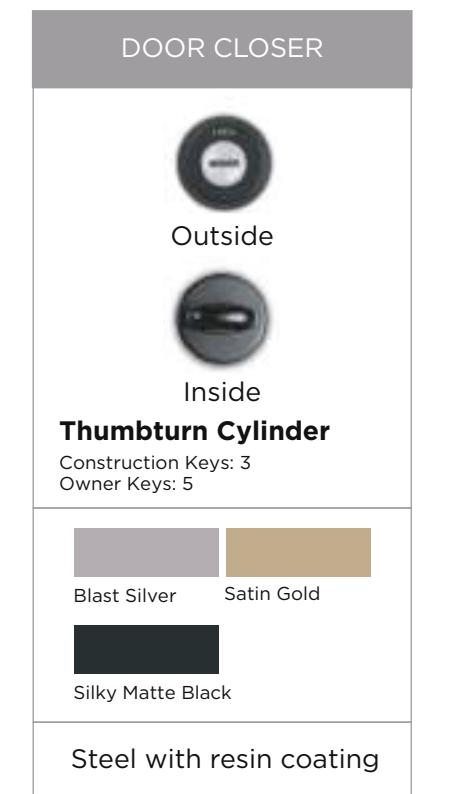
OUT-SWING DOOR



IN-SWING DOOR



CYLINDER LOCK & KEY



DESIGN and COLOR Table

| | SIMPLE AND MINIMALISTIC | | | | | | MODERN BUT TRADITIONAL | | | | | | | | | | | |
|---------------|-------------------------|-----------|--------|--------|-----------|--------|------------------------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|
| | P01 | | | P02 | | | P03 | | | D01 | | | D02 | | | D03 | | |
| | Single | Sidelight | Double | Single | Sidelight | Double | Single | Sidelight | Double | Single | Sidelight | Double | Single | Sidelight | Double | Single | Sidelight | Double |
| Turin Pine | | | | | | | | | | | | | | | | | | |
| Crea Mocha | | | | | | | | | | | | | | | | | | |
| Crea Rusk | | | | | | | | | | | | | | | | | | |
| Teak | | | | | | | | | | | | | | | | | | |
| Autumn Brown | | | | | | | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Silk White | | | | | | | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Polish Silver | | | | | | | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

*Sidelight without glass (side panel) is also available.

*For handle type K,L and digital lock, the handle will only be on the main panel.

| | GLASS WITH STYLE | | | | | | AIR FLOW | | | | | | | | | | | |
|---------------|------------------|-----------|--------|--------|-----------|--------|----------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|
| | G01 | | | G02 | | | G03 | | | G04 | | | A01 | | | | | |
| | Single | Sidelight | Double | Single | Sidelight | Double | Single | Sidelight | Double | Single | Sidelight | Double | Single | Sidelight | Double | Single | Sidelight | Double |
| Turin Pine | | | | | | | | | | | | | | | | | | |
| Crea Mocha | | | | | | | | | | | | | | | | | | |
| Crea Rusk | | | | | | | | | | | | | | | | | | |
| Teak | | | | | | | | | | | | | | | | | | |
| Autumn Brown | | | | | | | | | | | | | | | | | | |
| Silk White | | | | | | | | | | | | | | | | | | |
| Polish Silver | | | | | | | | | | | | | | | | | | |



EXTERIOR

FENCE & GATE

Exterior

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 for your family.

ຮັວແລະປະຫຼວງຈາກອສເກີນ ຕື່ອກາງເລື້ອກຖິ່ນທີ່ເໝາະສຳຮັບບັນຂອງຄຸນ ດ້ວຍ ດີໃຈນີ້ກໍຈະຊ່ວຍໃຫ້ບັນສ່ວຍຂຶ້ນ ວັດຖຸພື່ນມູລຄ່າໄດ້ຮວມໃຫ້ກົບບັນ ພຣັບນອບຄວາມປລອດກັຍກໍຕ່ອບຄຮັວຂອງຄຸນຕ້ອງການ



Please scan for
Product Demonstration

FEATURES



Ultra lightweight

ບັນບັນເບົາ



Impact test

ຜ່ານການກົດສອບຮັບແລງກະແກ້



Effortless movement

ເລືອນເປົດ-ປັບແຍງ



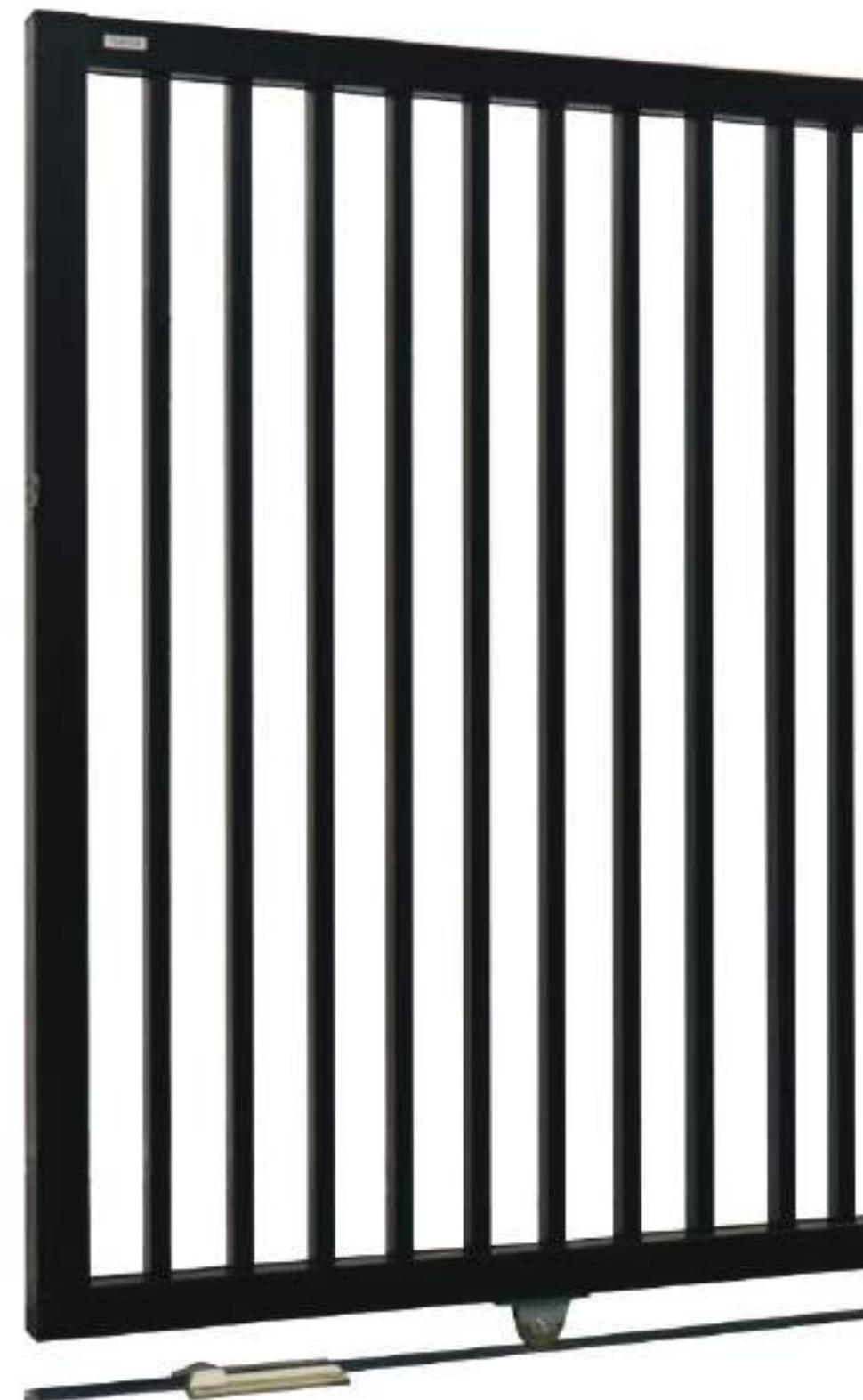
Low maintenance

ອຸລະກບານ່າຍ



Anti-rust durability

ກົບຕ່ອກາຍເກີດສັບໄດ້



COLOR



Natural Silver



Shine Grey



Autumn Brown



Natural Black

LATTICE Pattern

| Shape of lattice | Pitch 060 | Pitch 080 | 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 |

*please see reference drawing for detail



| 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.
ชี้ร่องสี่เหลี่ยมมีความแข็งแรงและทนทาน



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



Wheel stopper ensures stop and hold when gate is closed.
สต็อปป์การหยุดการลื่นลงบาน ป้องกันบานหลุด



Panel guide for safety to hold panel when gliding (for single panel type).
ตัวประกบบานสำหรับบังคับให้ตั้งตรงและป้องกันอุบัติเหตุบานล้ม



Panel guide to hold both panels when gliding for safety (for double panels type).
ตัวประกบบานสำหรับบังคับบานให้ตั้งตรงและป้องกันอุบัติเหตุบานล้ม (สำหรับแบบบานเสื่อนผู้)

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 |

*please see reference drawing for detail



| 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



Hinges
บานพับ



Rollers
ลูกล้อ



Drop rod
กลอนลงพื้น

SWING Gate

| SINGLE SWING GATE | Minimum | Maximum |
|-------------------------|----------|----------|
| Width (Opening width) | 600 mm | 1,100 mm |
| Height (Product height) | 1,200 mm | 1,600 mm |

*please see reference drawing for detail



| 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



Durable hinges
บานพับ

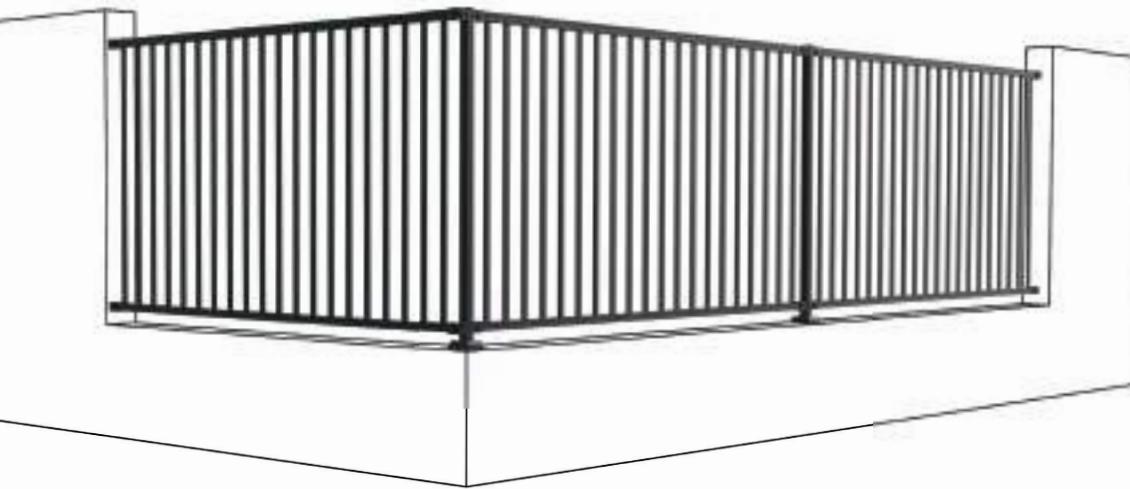


Concealed drop rod (for double swing only)
กลอนลงพื้น (เฉพาะบานสวิงดู)

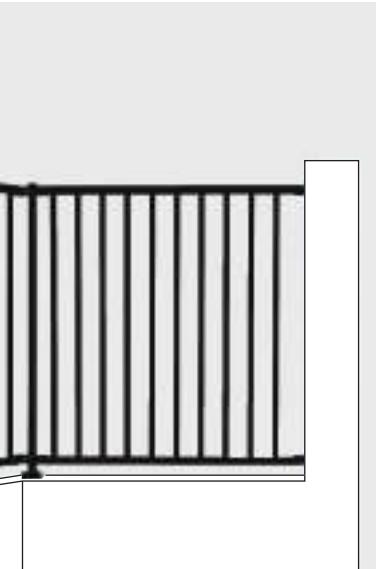
FENCE

| | 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.
ชี้รั้วรูปทรงเพรียบบางแบบนิ่มอ่อนแต่ทนทานต่อการดึงด้วยค่าแรงปรับ
ระดับได้มากถึง 7.5 mm



Straight and corner type fence jointer available.
adjustable from 90-180 degrees.
ข้อต่อแบบต่อตรงและแบบเช้าบูมรองรับศีรษะ
เข้าบูม 90-180 องศา



Fence post with concrete surface mount(with
cover). set-in-concrete type also available.
เสารั้วให้เลือก 2 แบบ แบบเป็นฐานยึดกับคอนกรีต(เป้าปีก) และแบบ
ผ่านไปในคอนกรีต

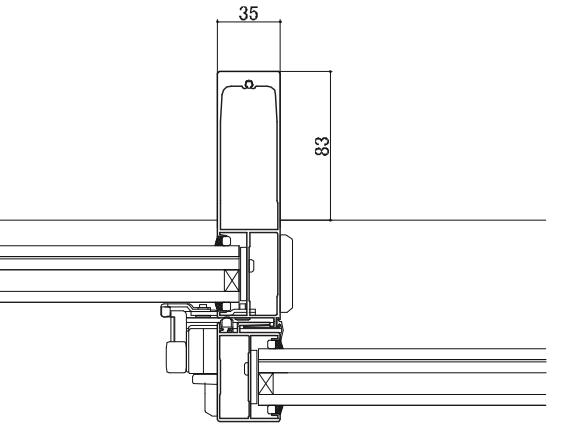
EXTERIOR PROJECT REFERENCE

88 Land And Houses Hillside, Phuket

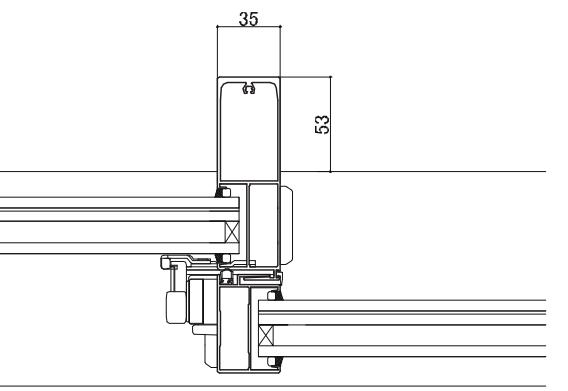


REFERENCE DRAWINGS

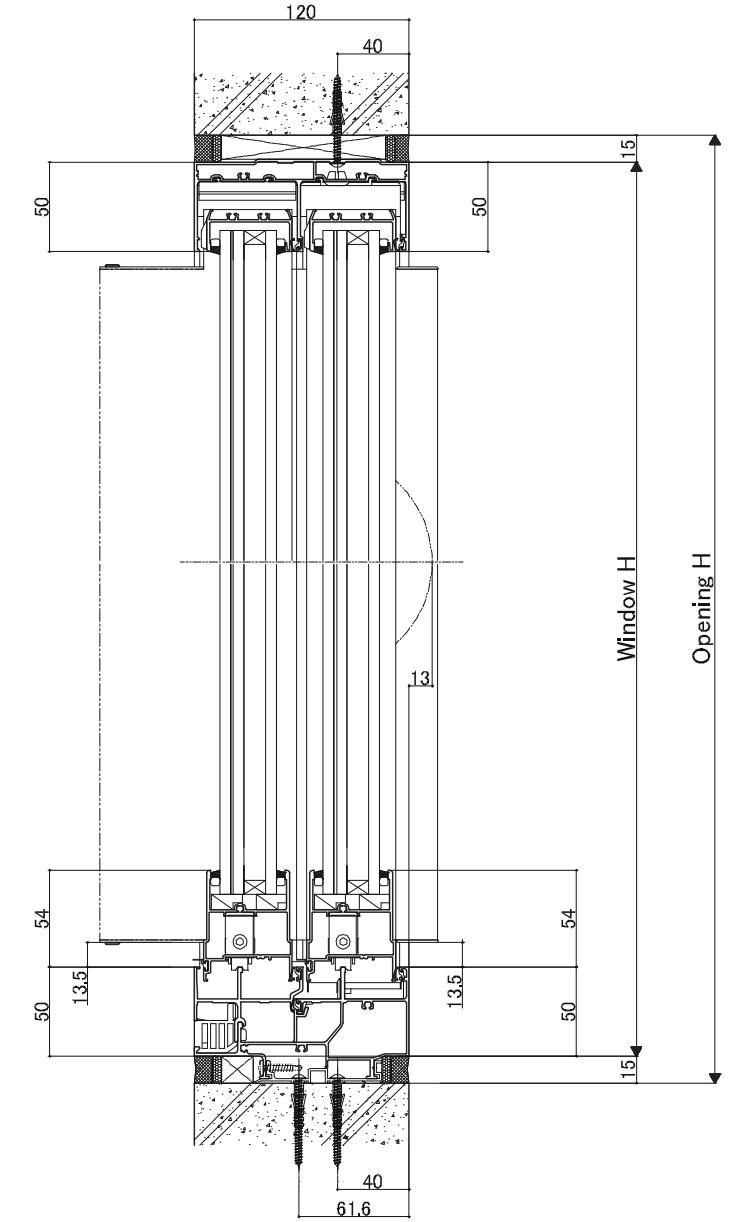
GRANTS WINDOW SERIES



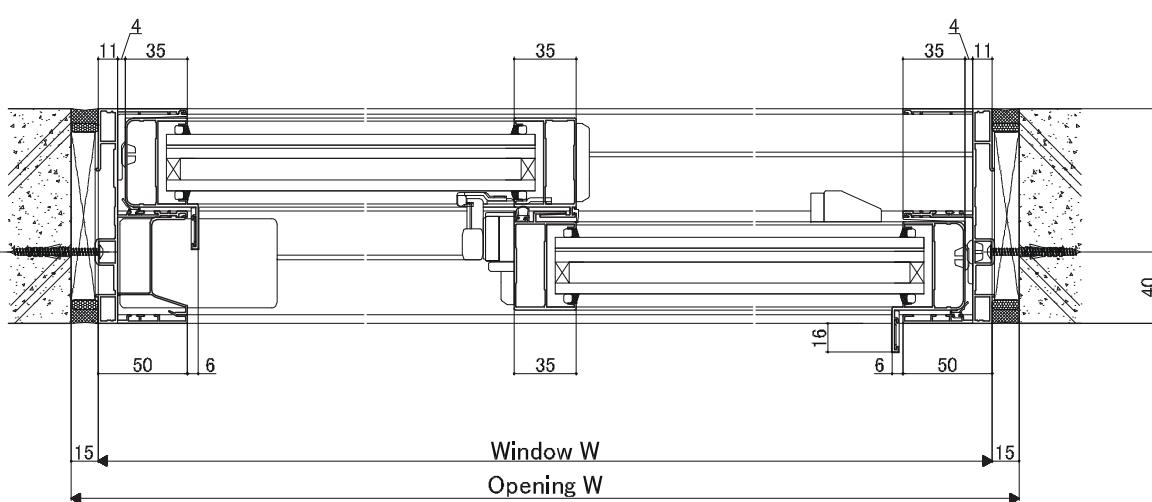
⟨Meeting stile detail: In case of largest openings⟩



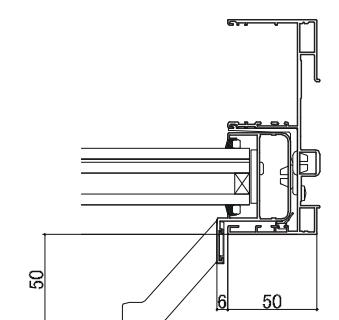
⟨Meeting stile detail: In case of larger openings⟩



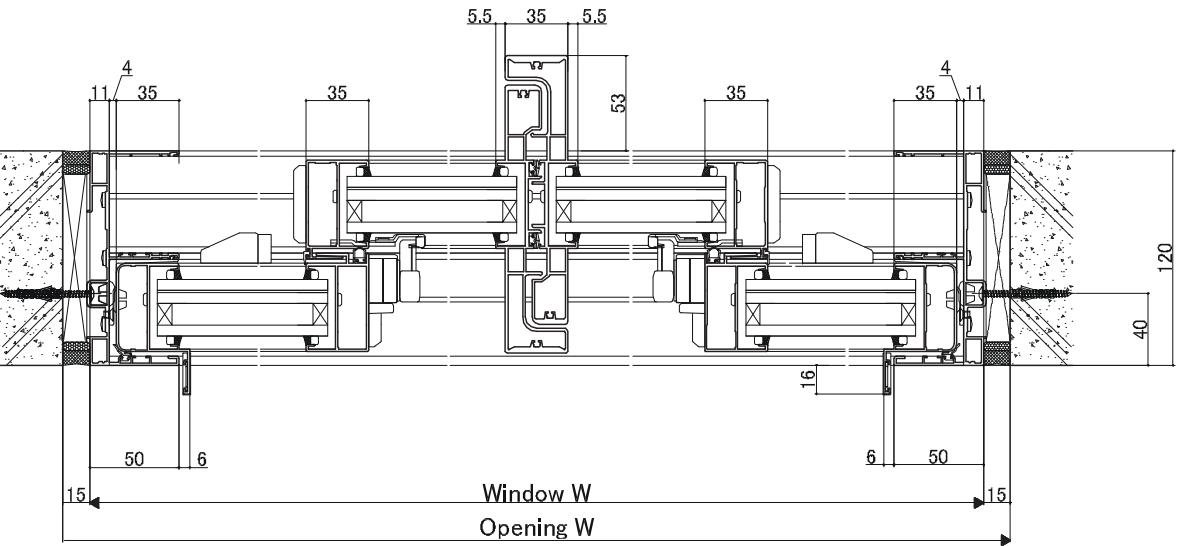
⟨Vertical section: 2 panels sliding window⟩



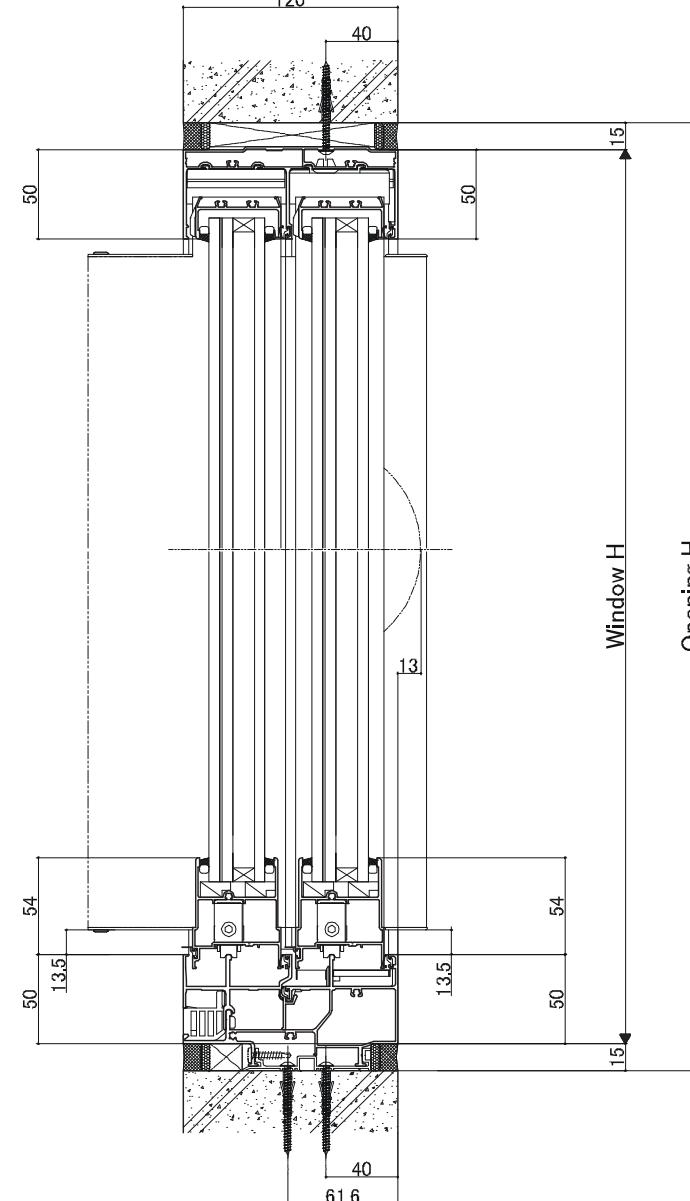
⟨Horizontal section: 2 panels sliding window⟩



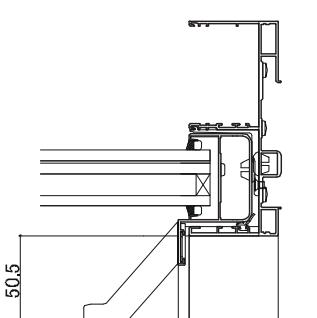
⟨In case with handle option⟩



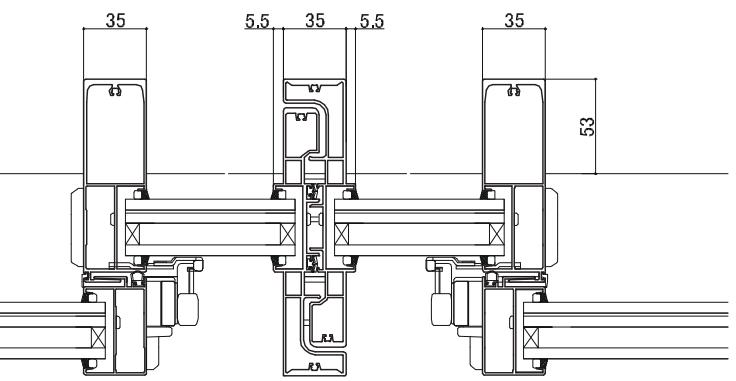
<Horizontal section: 4 panels sliding window>



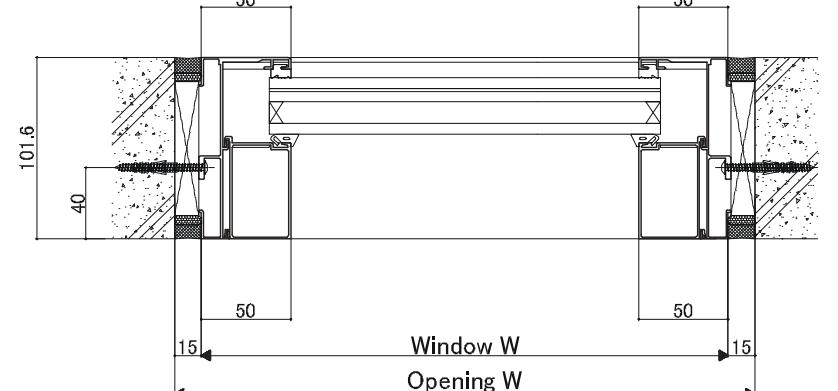
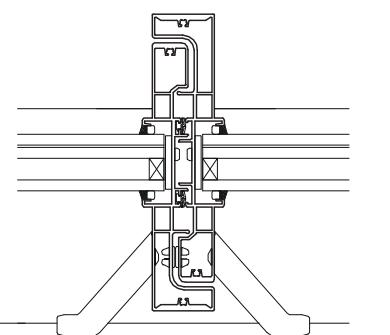
<In case with handle option
(Butting stile)>



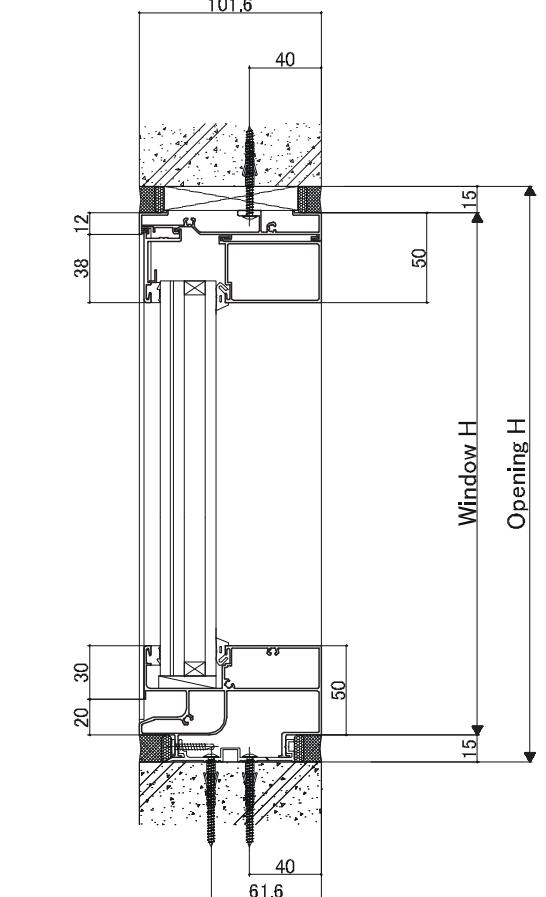
<In case with handle option
(Stile)>



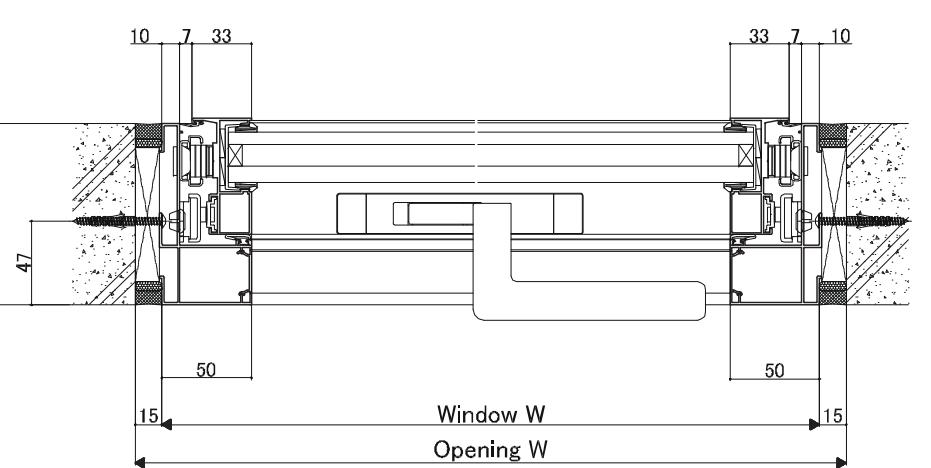
<Stiles detail: In case of large openings>



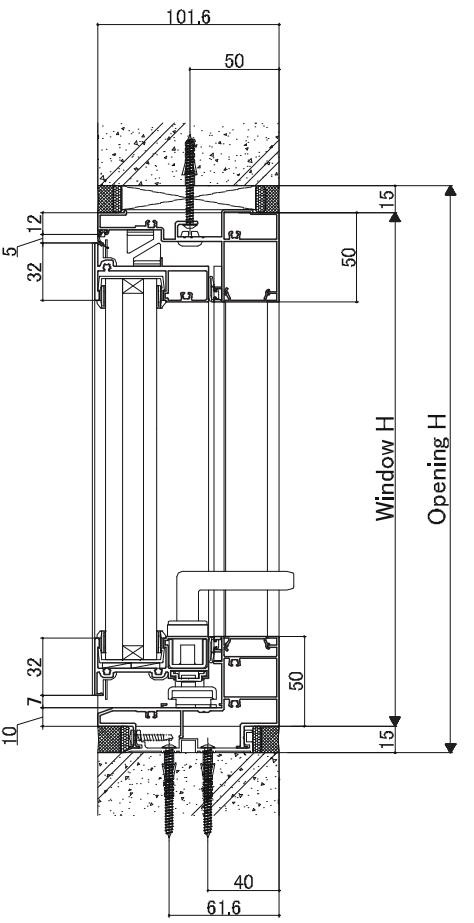
<Horizontal section: Fixed window>



<Vertical section: Fixed window>

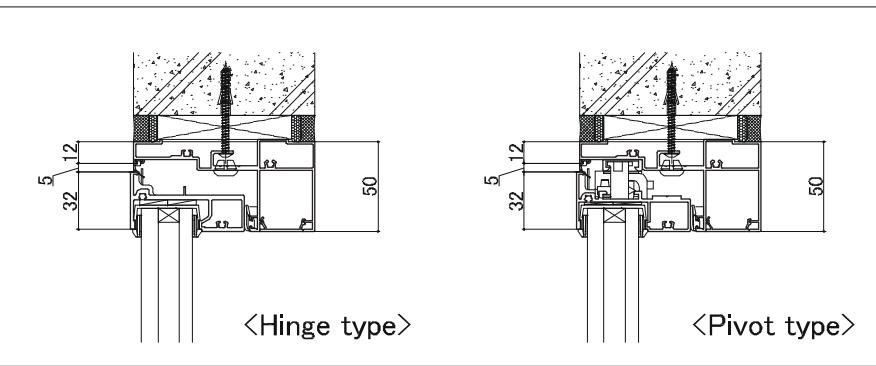


<Horizontal section: Awning window>

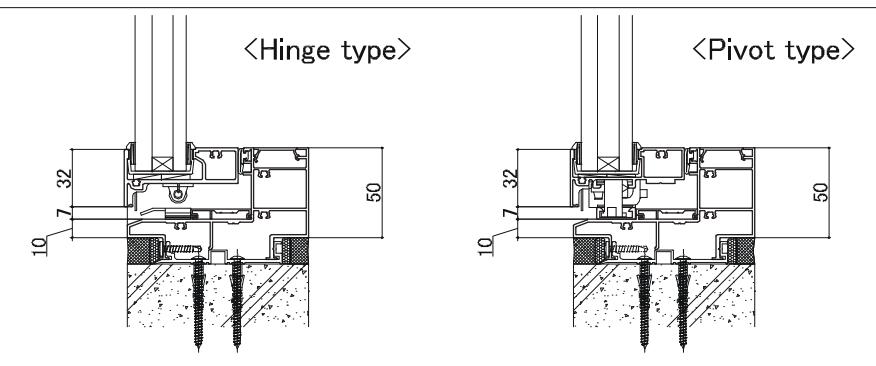


<Vertical section: Awning window>

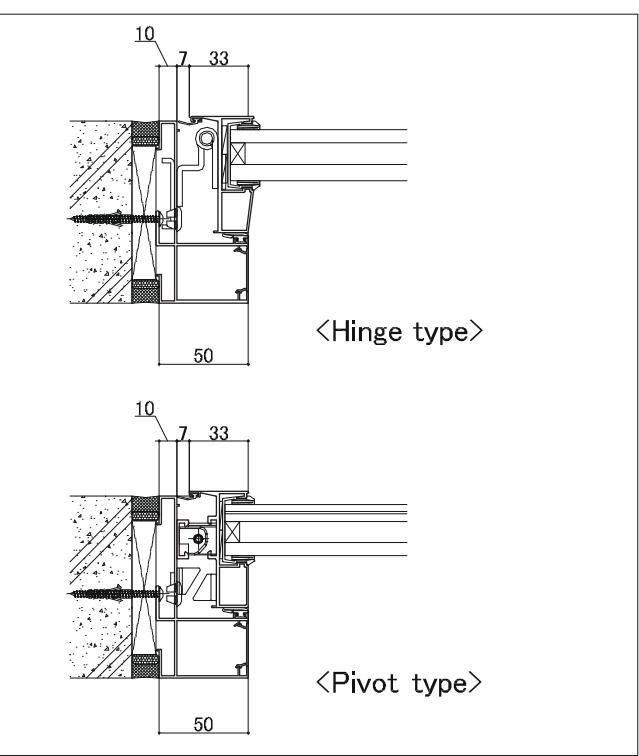
<Head detail>



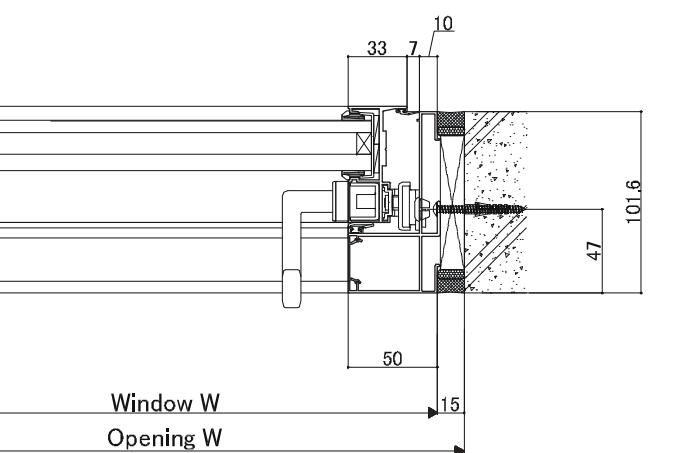
<Sill detail>



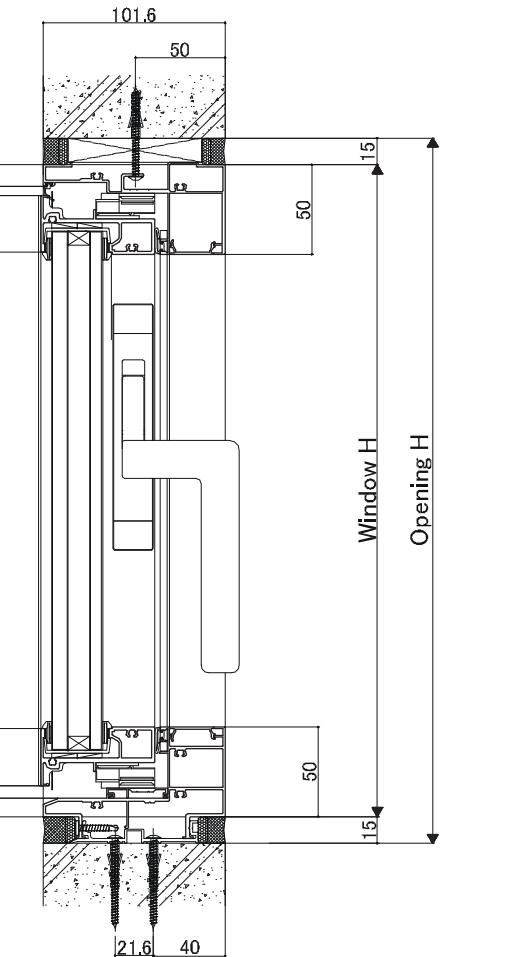
<Jamb detail>



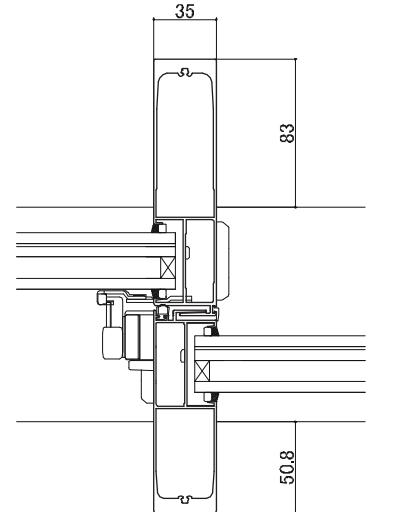
<Vertical section: Casement (with friction stay)>



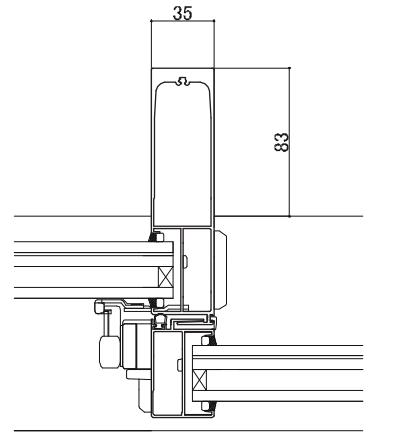
<Horizontal section: Casement (with friction stay)>



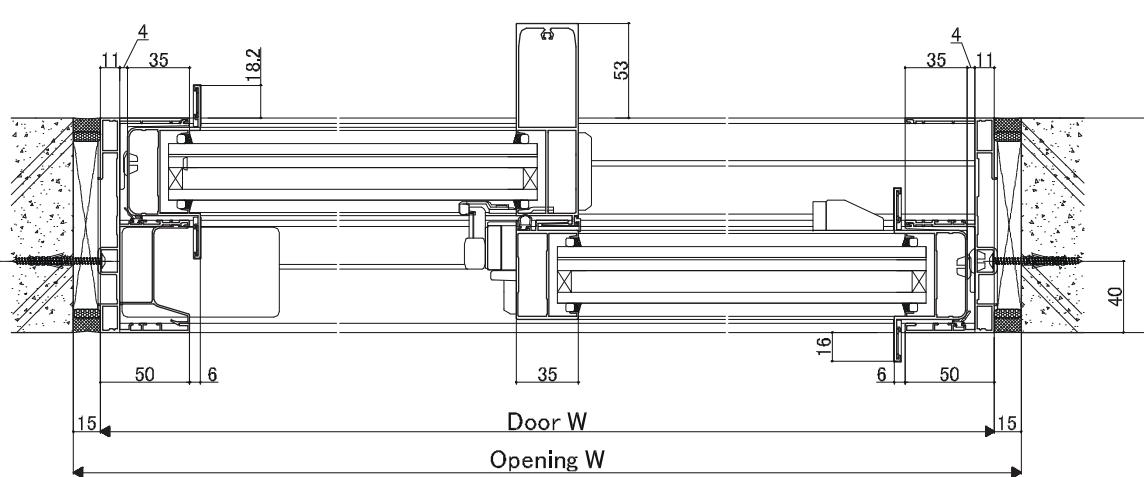
GRANTS DOOR SERIES



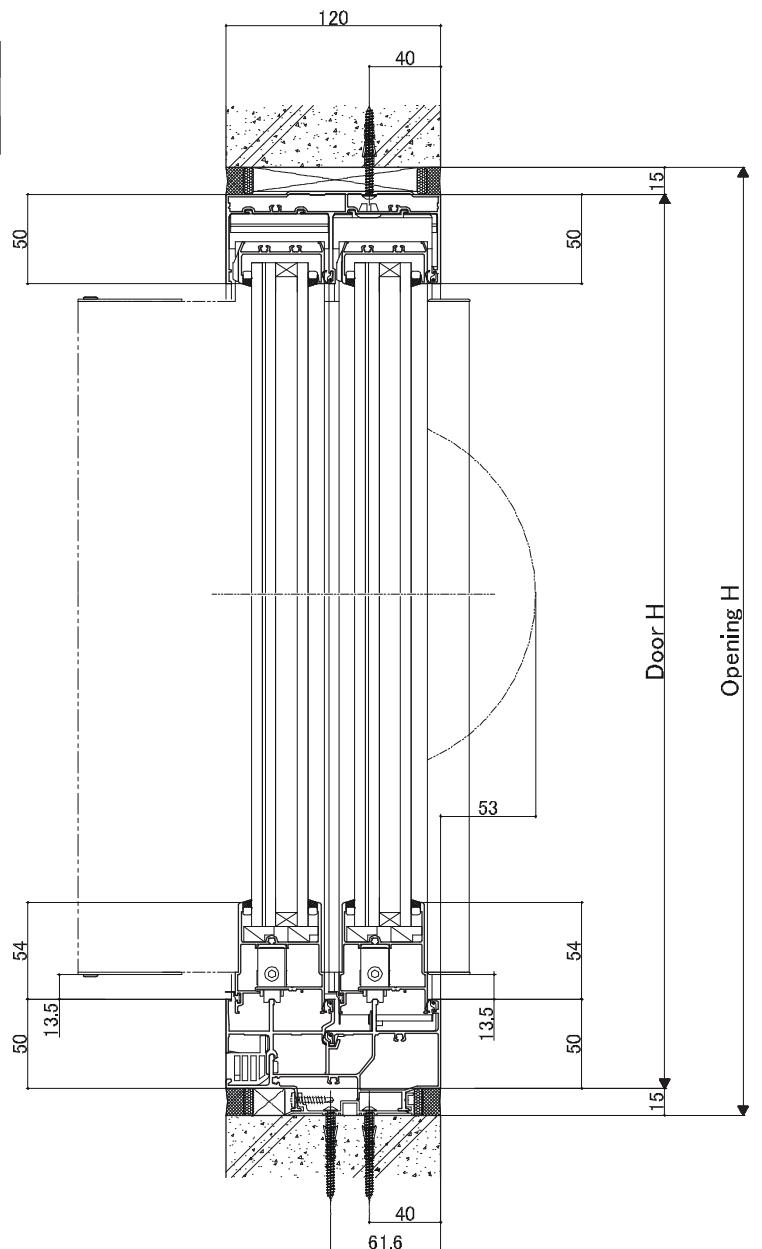
<Meeting stile detail: In case of largest openings>



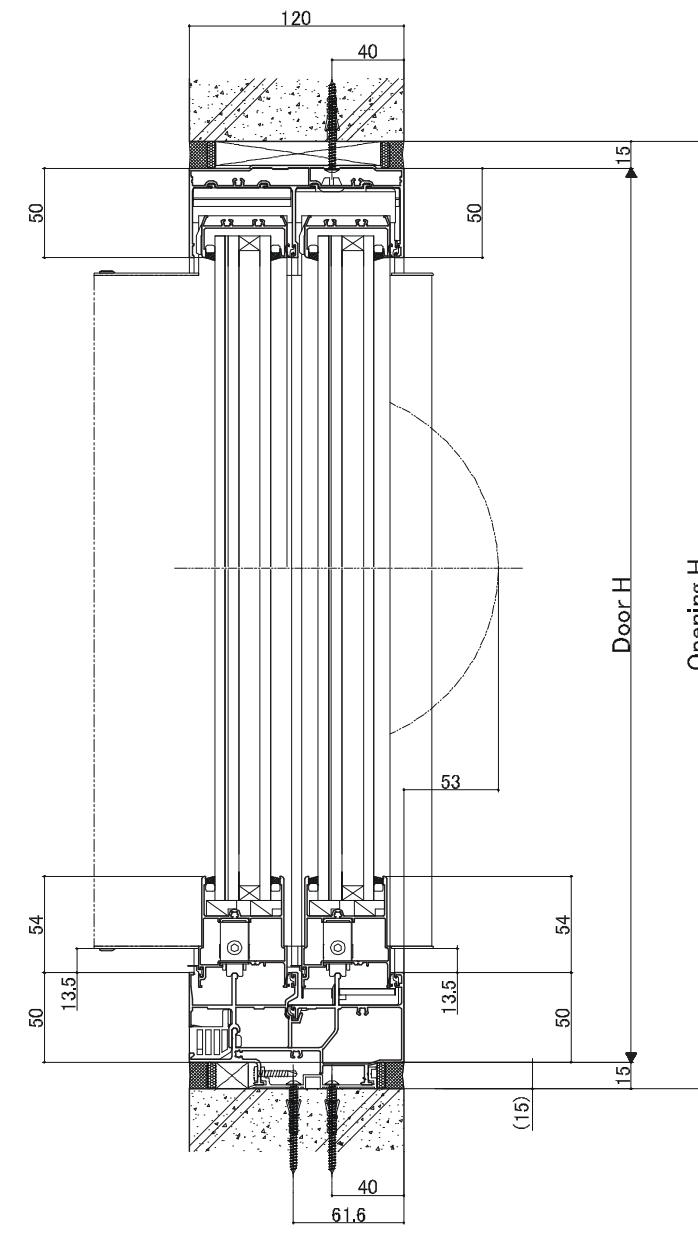
<Meeting stile detail: In case of larger openings>



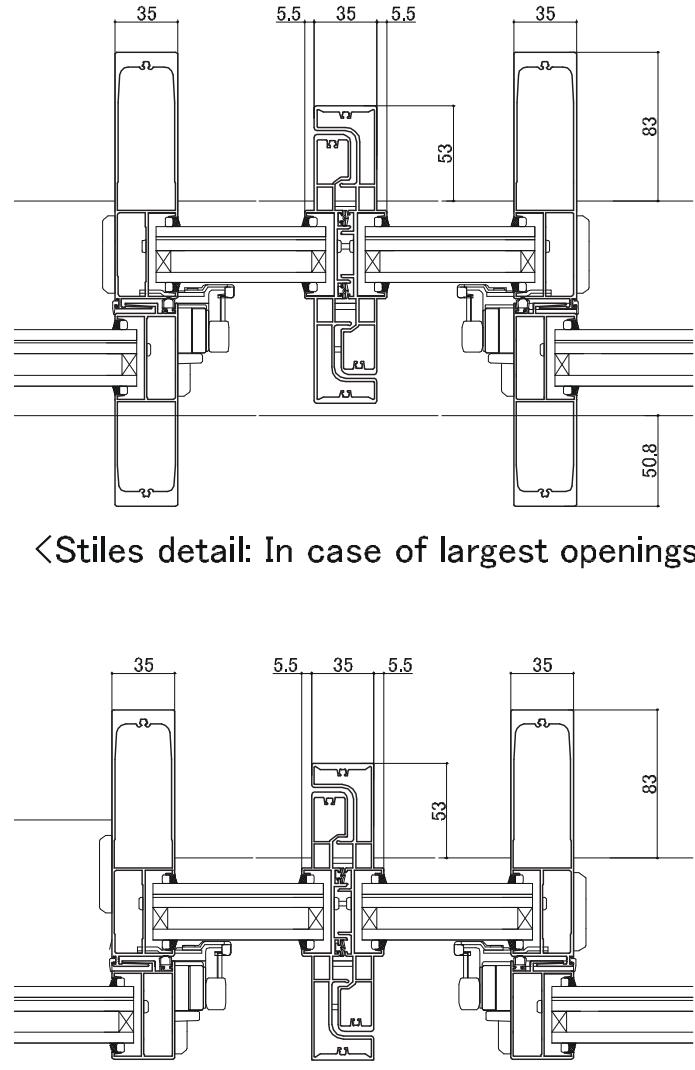
<Horizontal section: 2 panels sliding door>



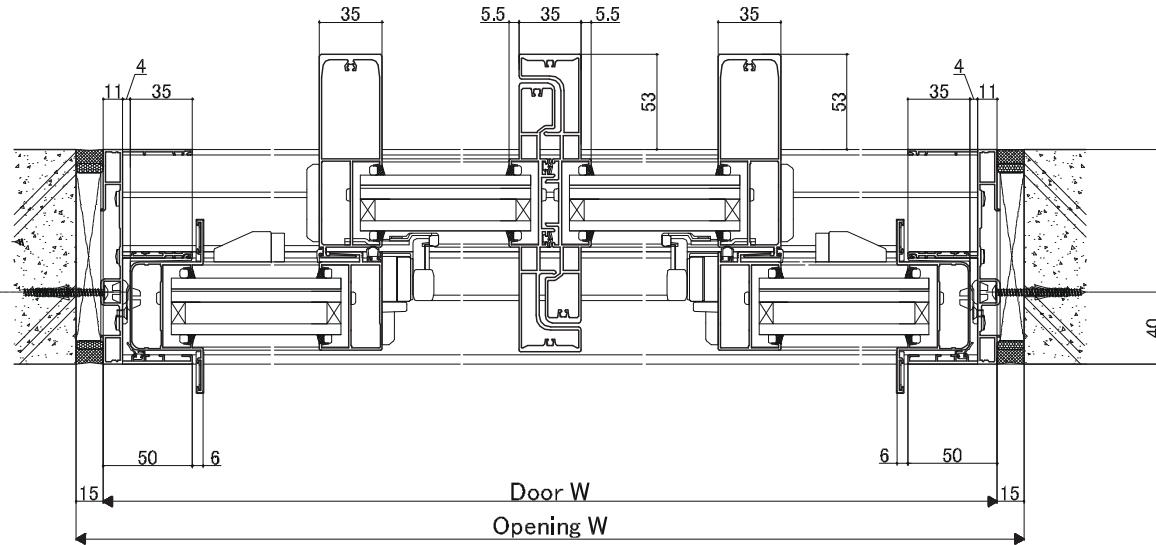
<In case with handle option>



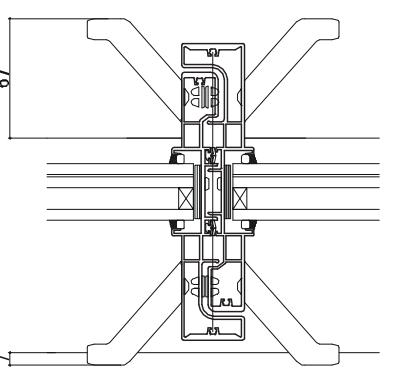
<Vertical section: 4 panels sliding door>



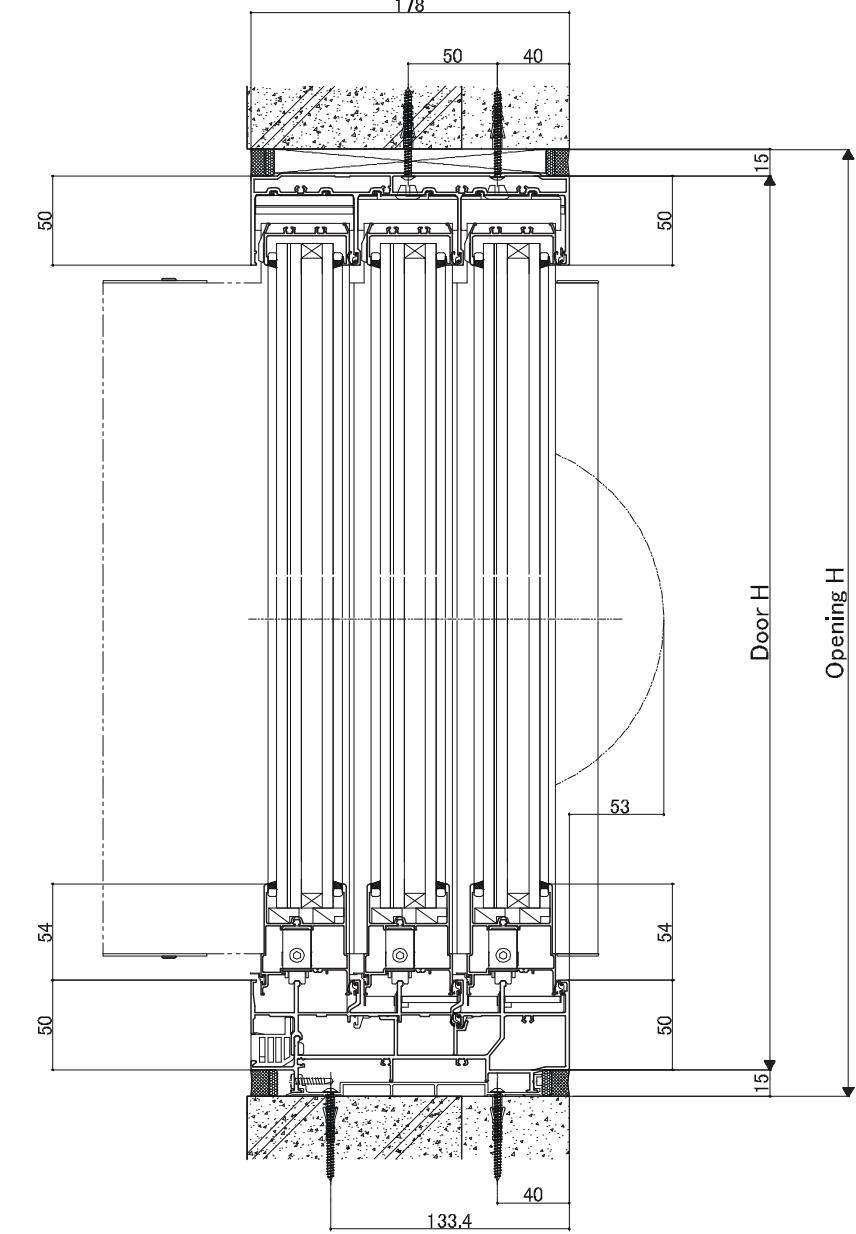
〈Stiles detail: In case of larger openings〉



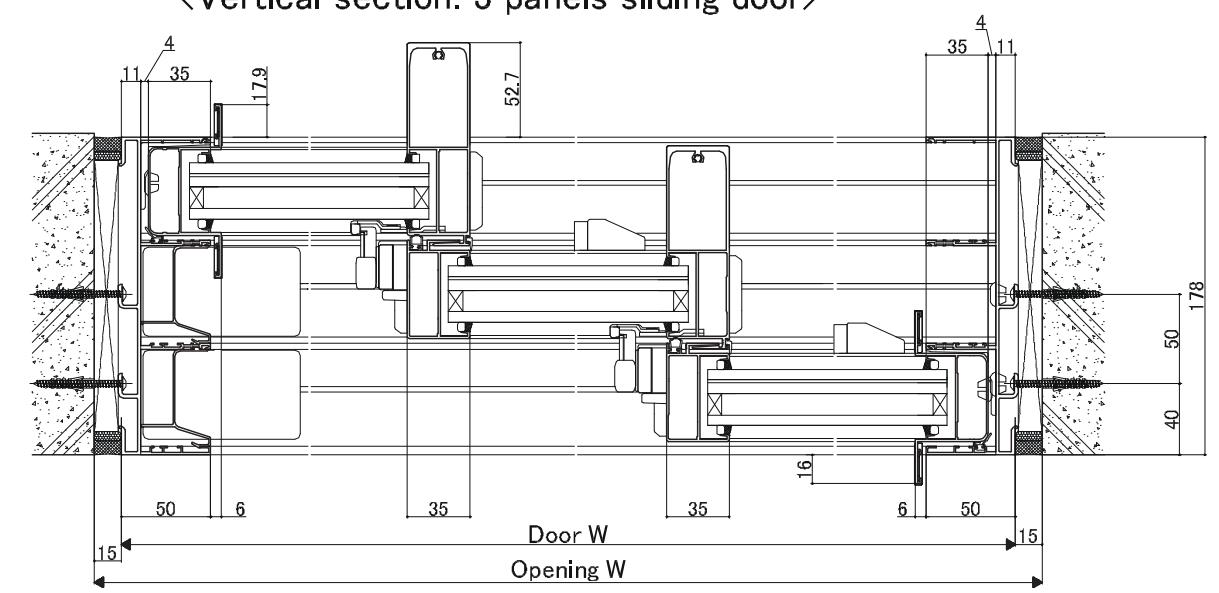
Horizontal section: 4 panels sliding door



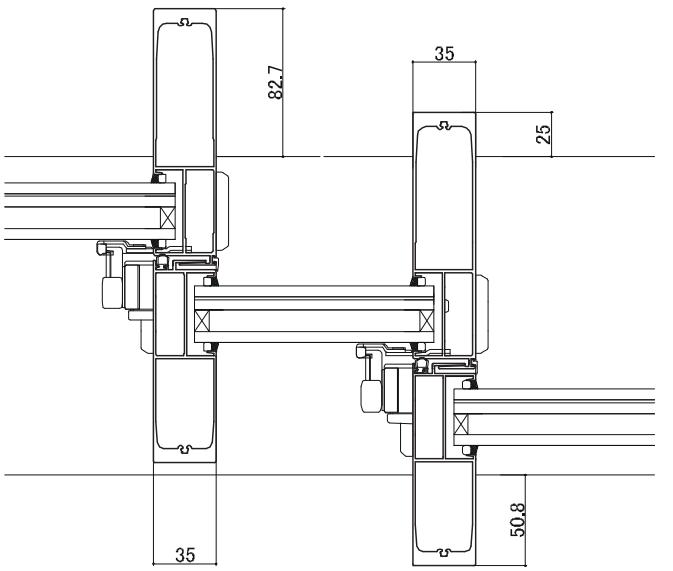
In case with handle option>



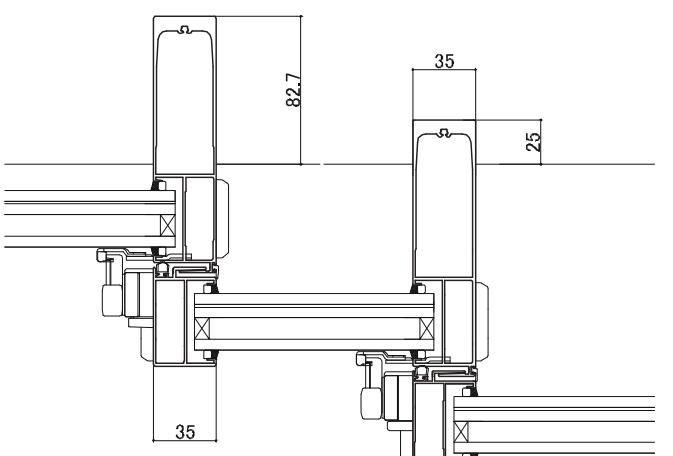
<Vertical section: 3 panels sliding door>



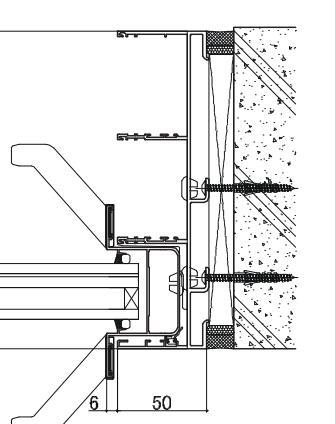
<Horizontal section: 3 panels sliding door>



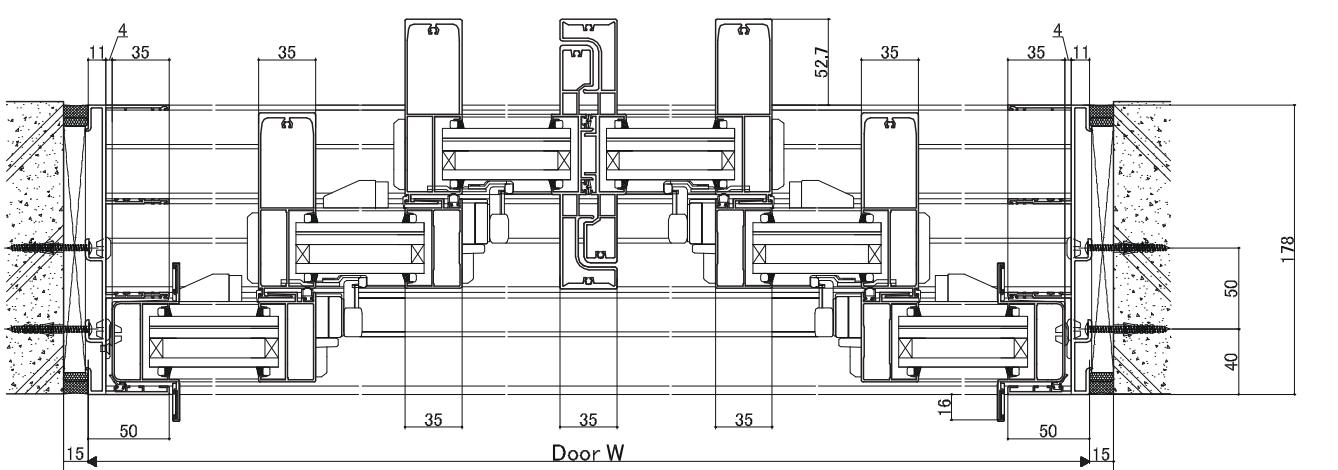
〈Stiles detail: In case of largest openings〉



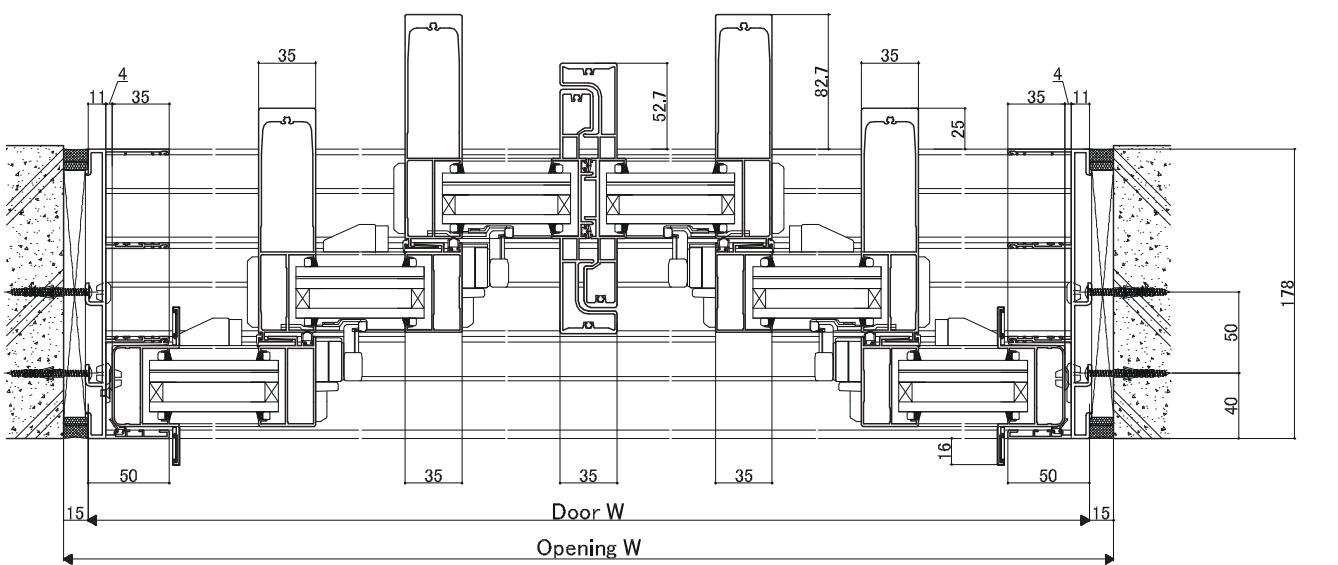
〈Stiles detail: In case of largest openings〉



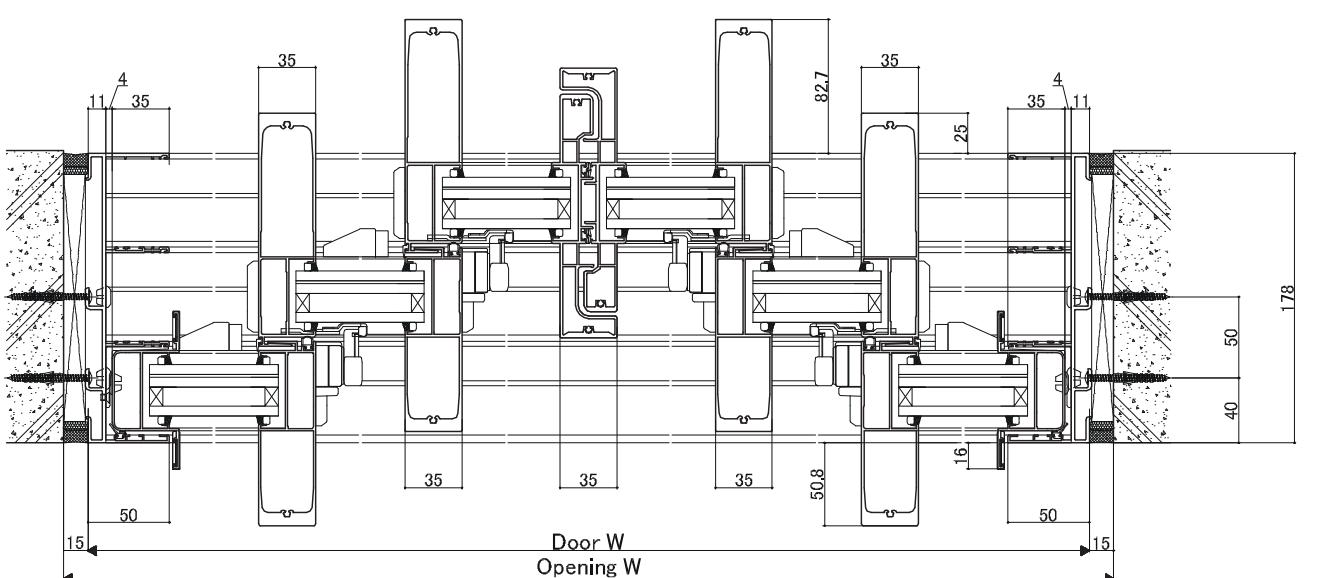
<In case with handle option>



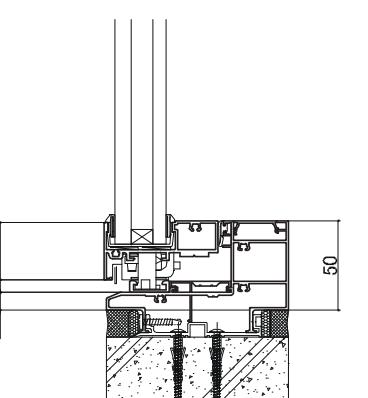
Horizontal section: 6 panels sliding door



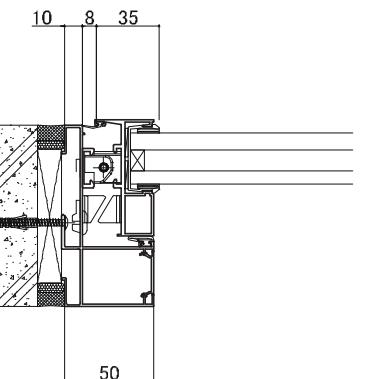
<Horizontal section: 6 panels sliding door (larger)>



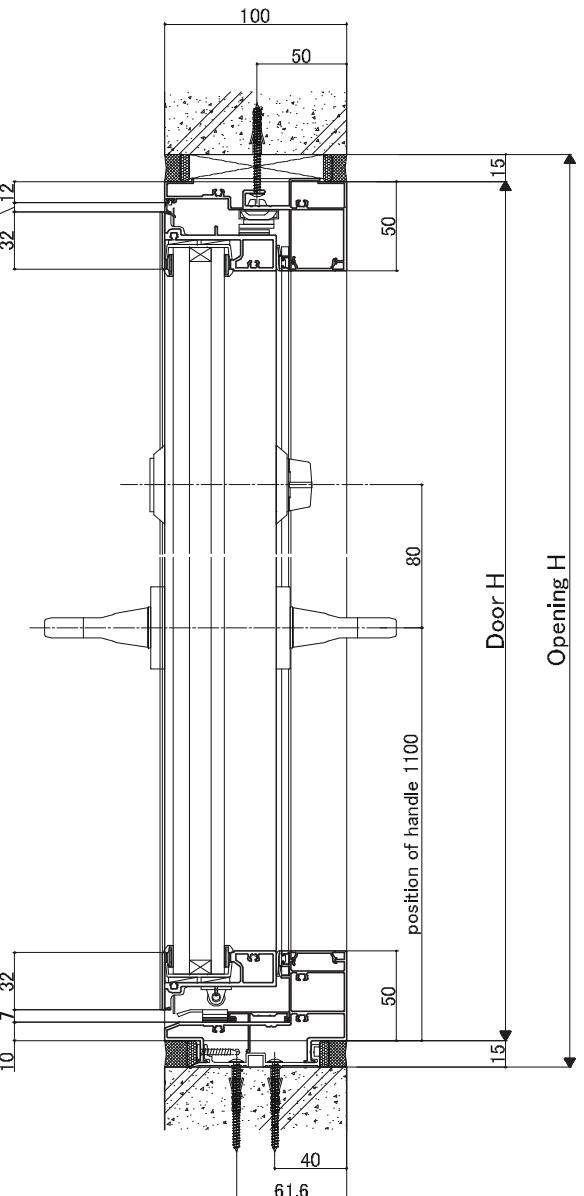
<Horizontal section: 6 panels sliding door (largest) >



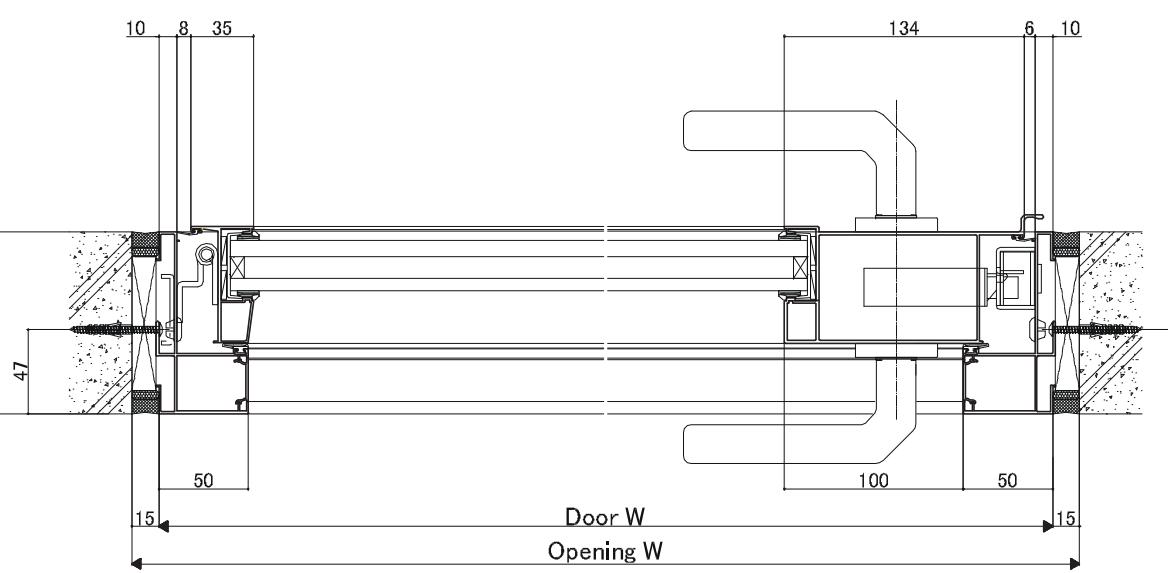
〈Sill detail: Pivot hinge〉



Jamb detail: Pivot hinge >

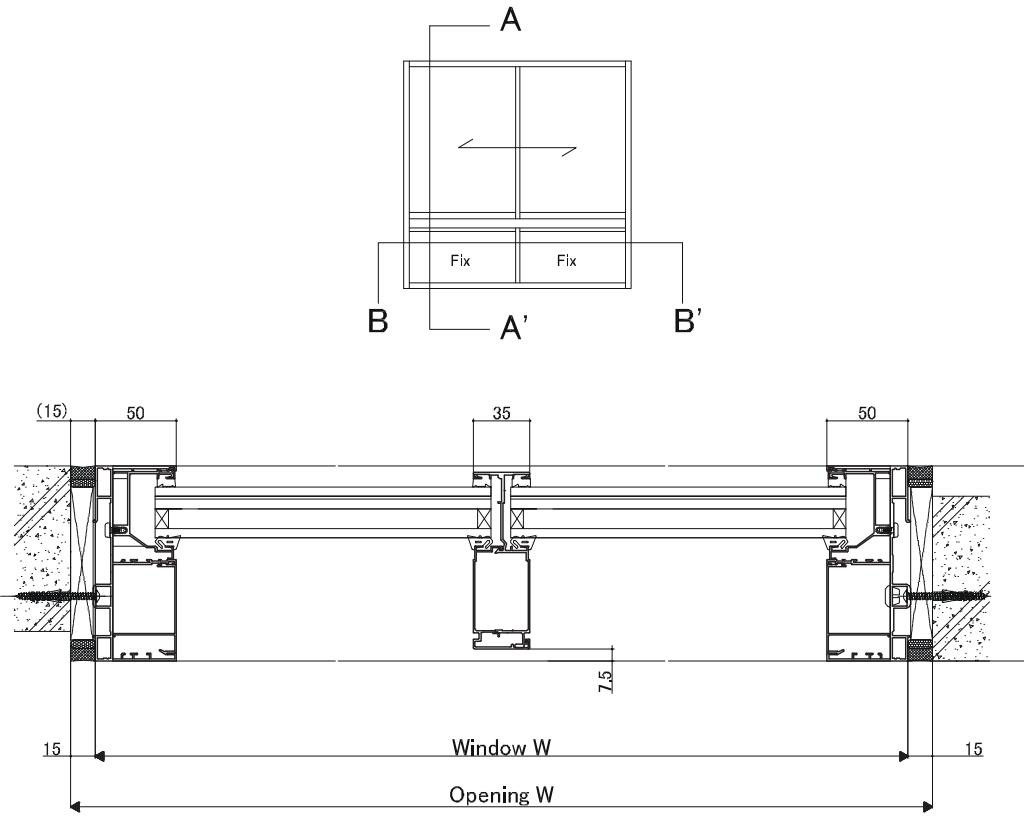


〈Vertical section: Single out-swing door〉

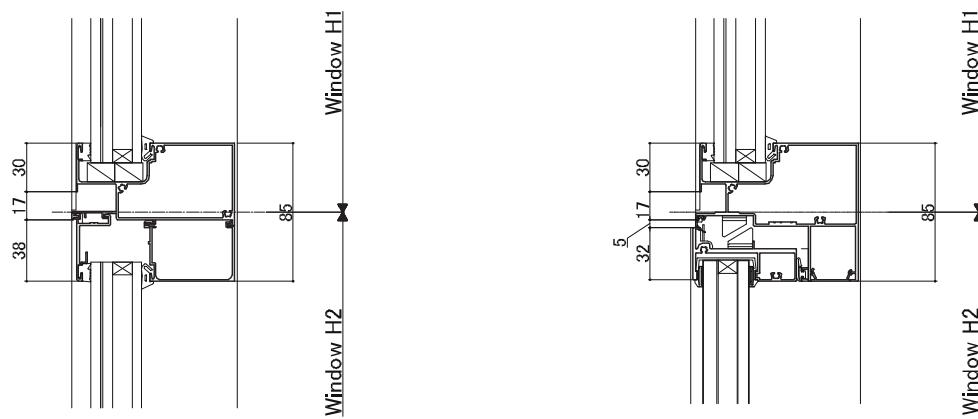


Horizontal section: Single out-swing door

GRANTS COMBINATION

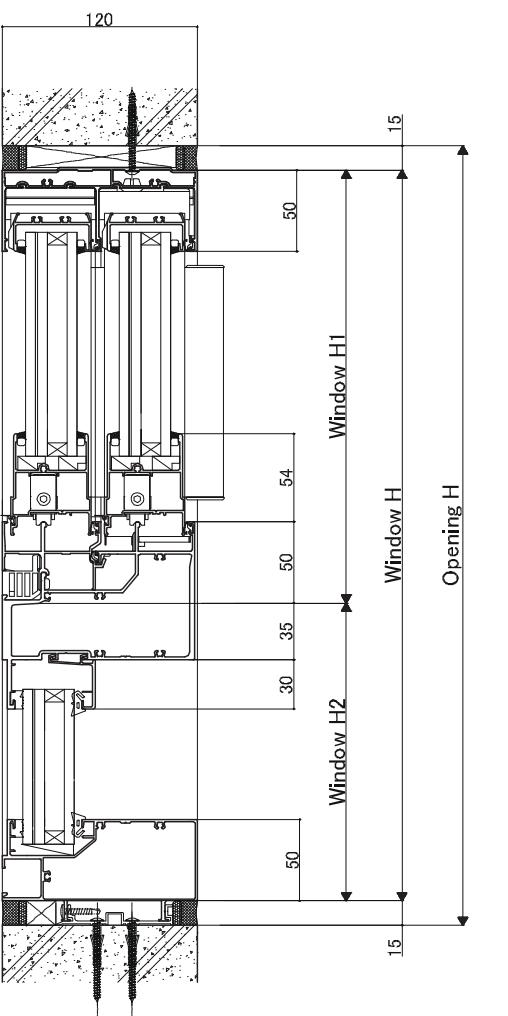


<Horizontal section: Sliding/Fixed B-B'>

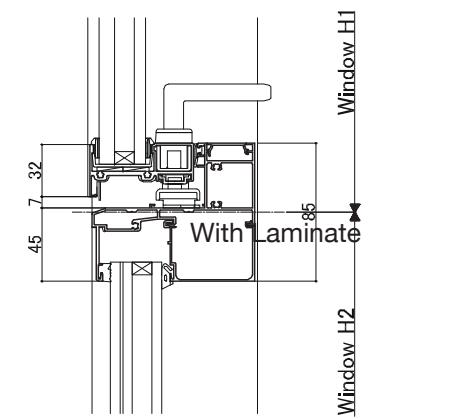


<Vertical: Fixed/Fixed transom>

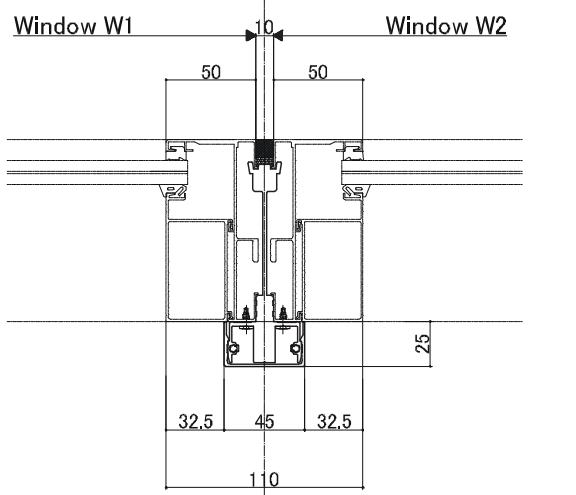
<Vertical: Fixed/Projection transom>



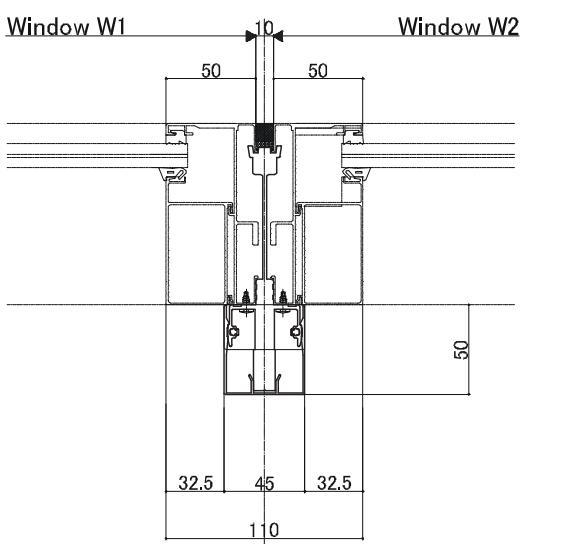
<Vertical section: Sliding/Fixed A-A'>



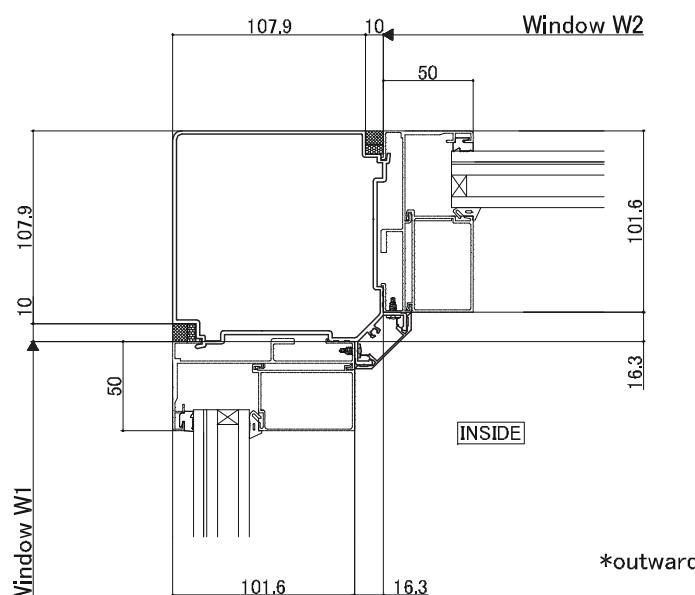
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<Mullion type A>

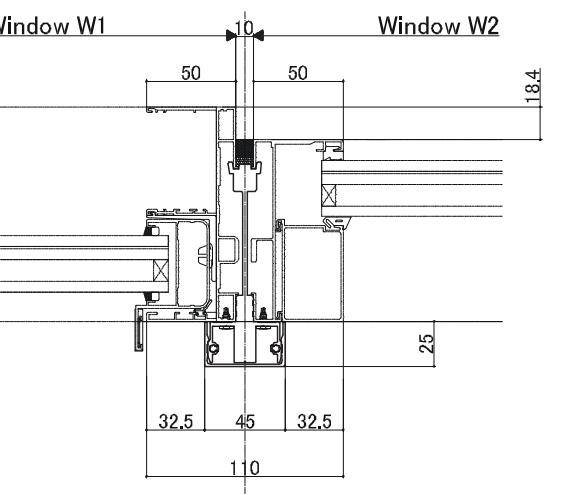


<Mullion type B>

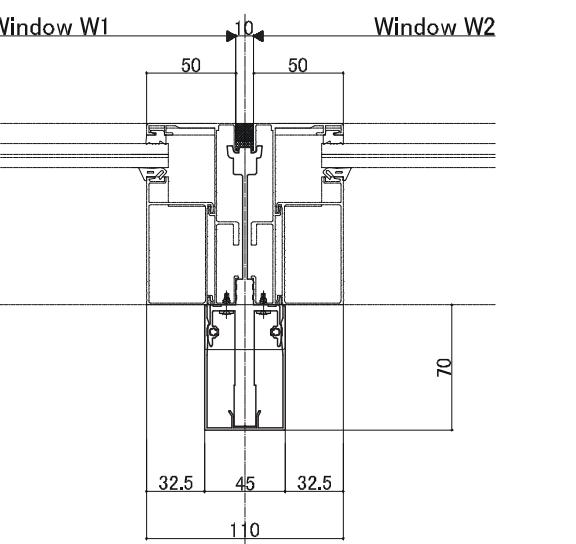


*outward use only

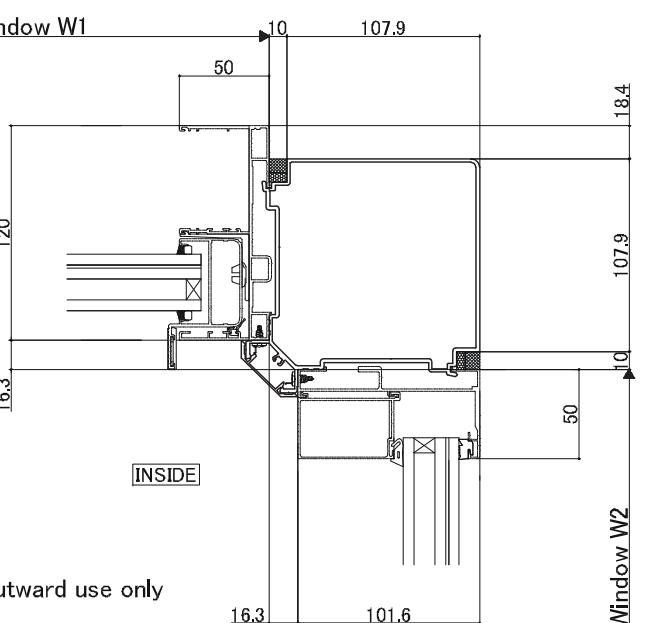
<Corner mullion>



<Mullion type A with sliding window>

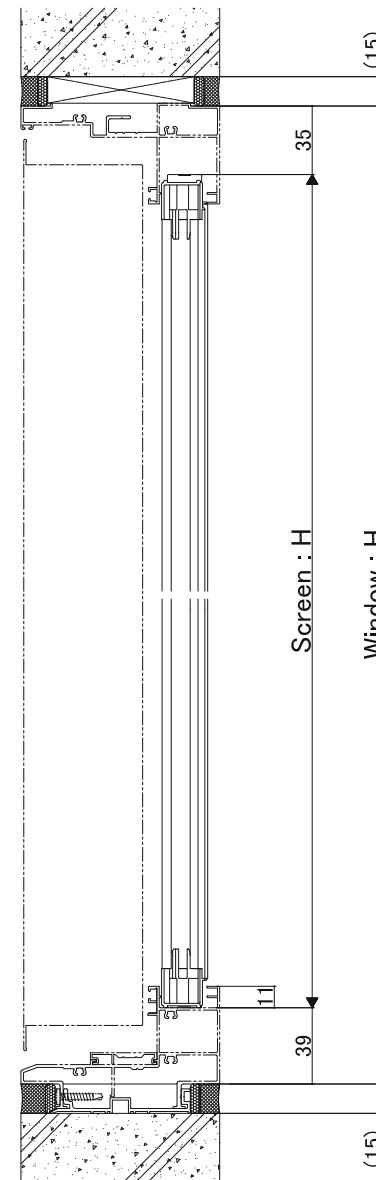


<Mullion type C>

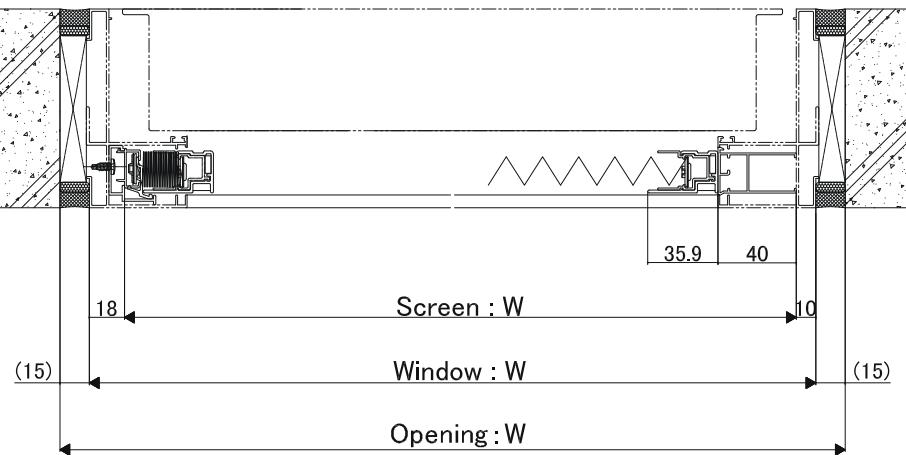


*outward use only

<Corner mullion with sliding window>

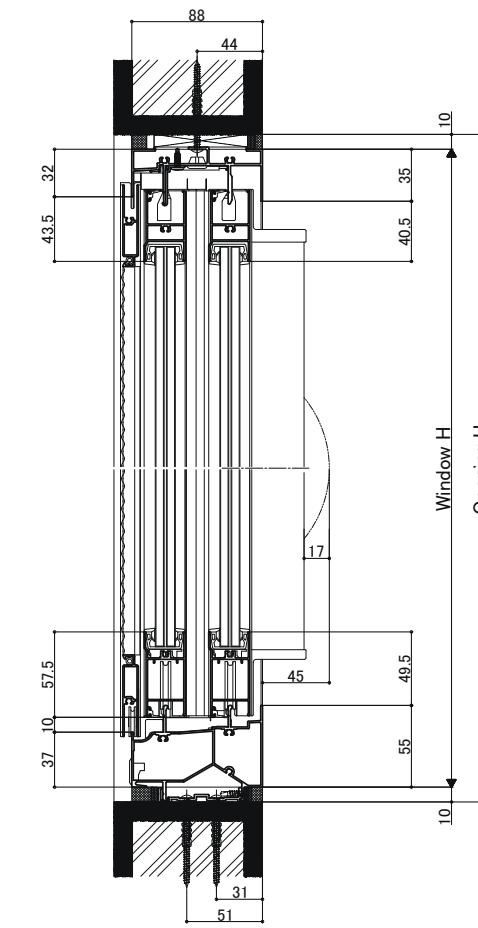


<Vertical section: Awning & Casement>

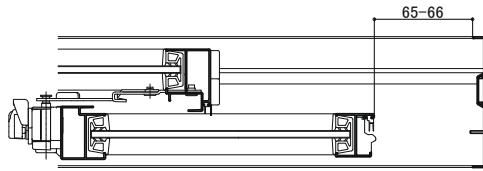


<Horizontal section: Awning & Casement>

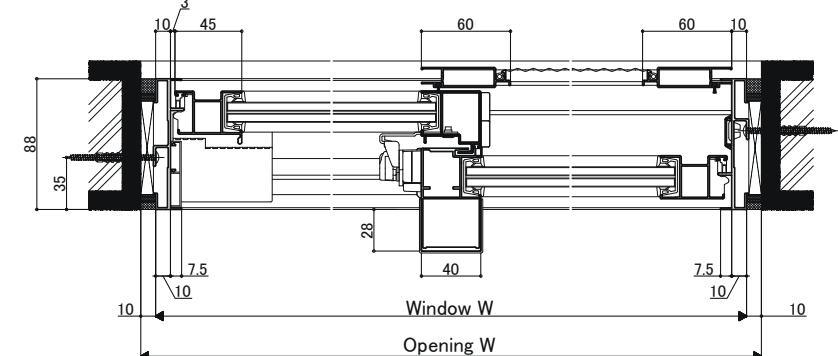
ATIS PLUS WINDOW SERIES



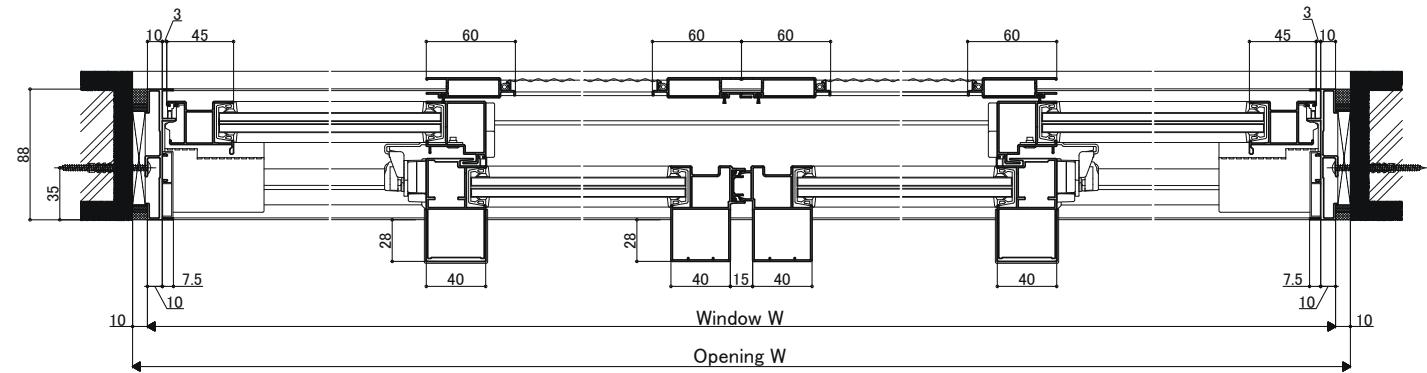
<Vertical section: 2 and 4 panels sliding window>



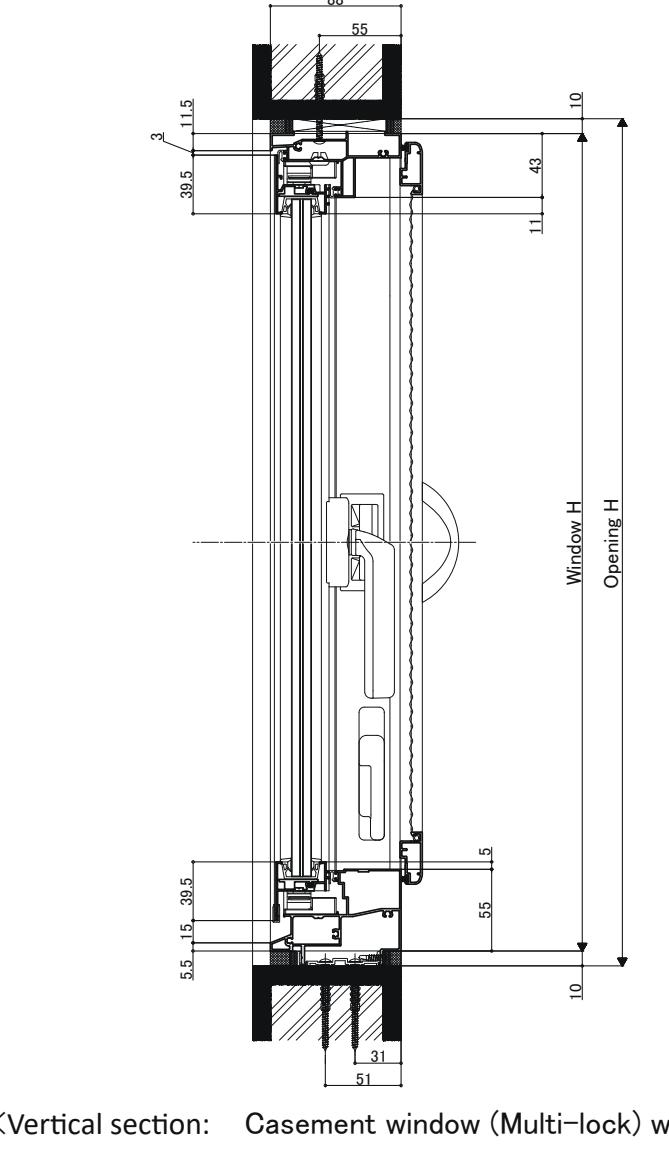
<Option(limit arm) Jamb detail >



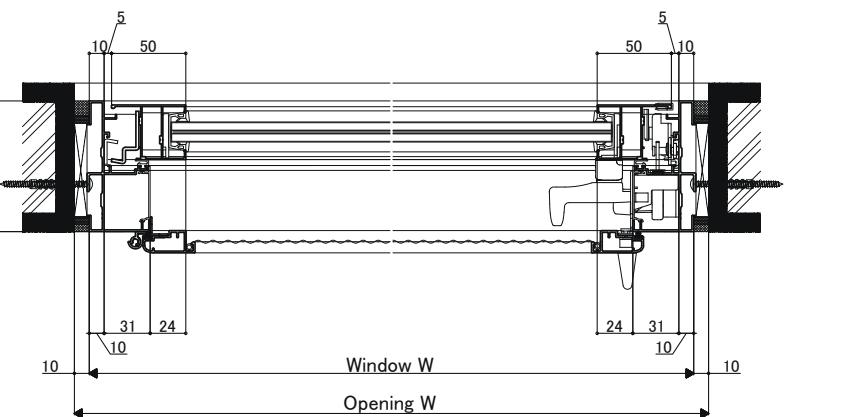
<Horizontal section: 2 panels sliding window>



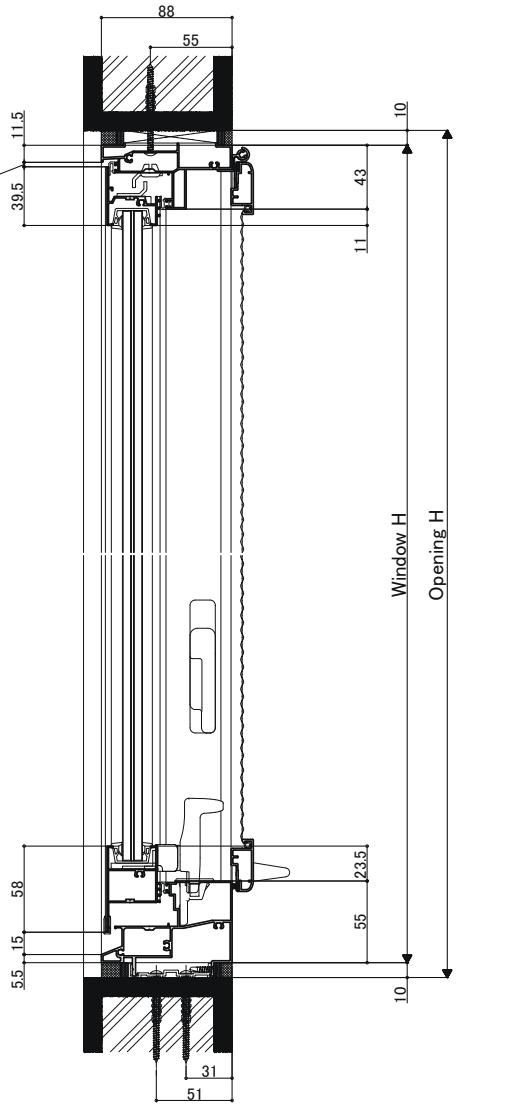
<Horizontal section: 4 panels sliding window>



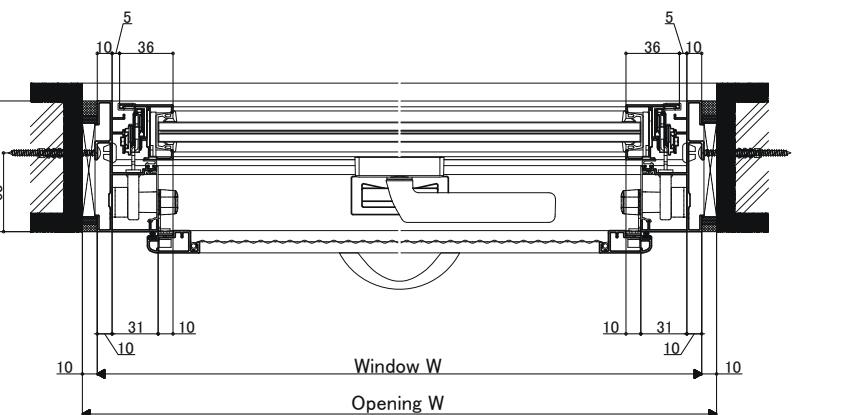
<Vertical section: Casement window (Multi-lock) with screen>



<Horizontal section: Casement with screen>

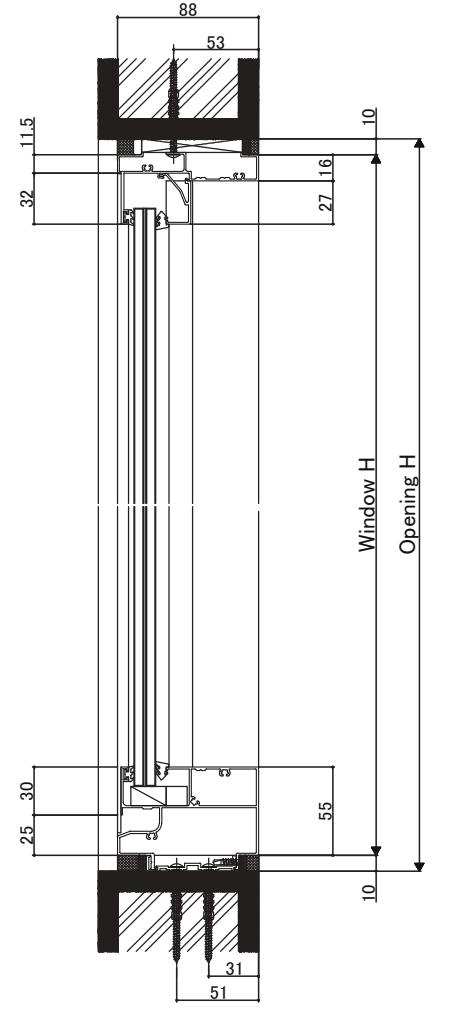


<Vertical section: Awning window (Multi-lock)with screen>

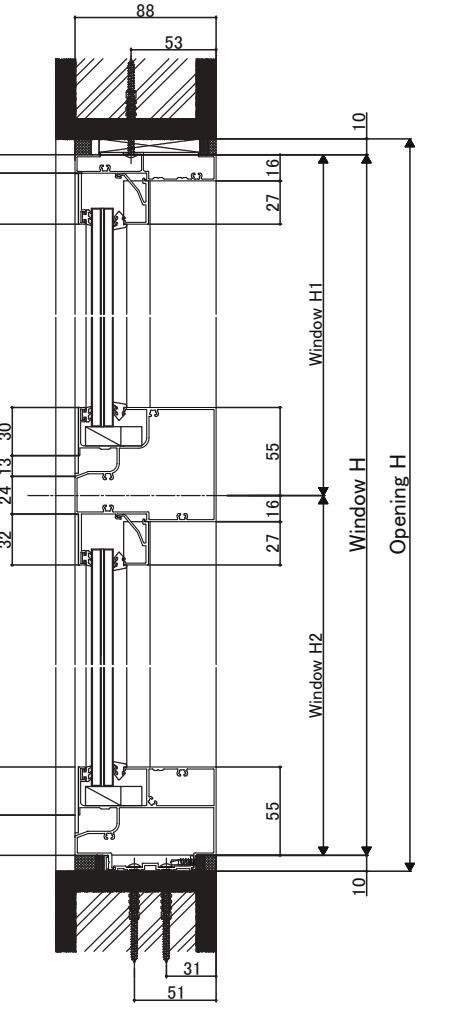


<Horizontal section: Awning with screen>

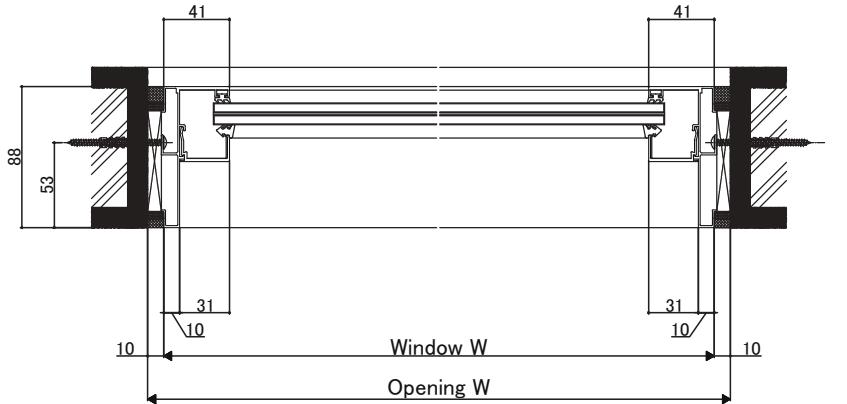
ATIS PLUS DOORS SERIES



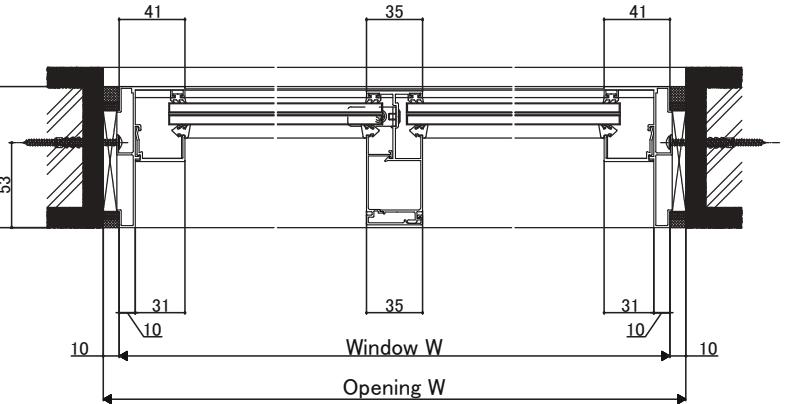
<Vertical section: Single fixed window>



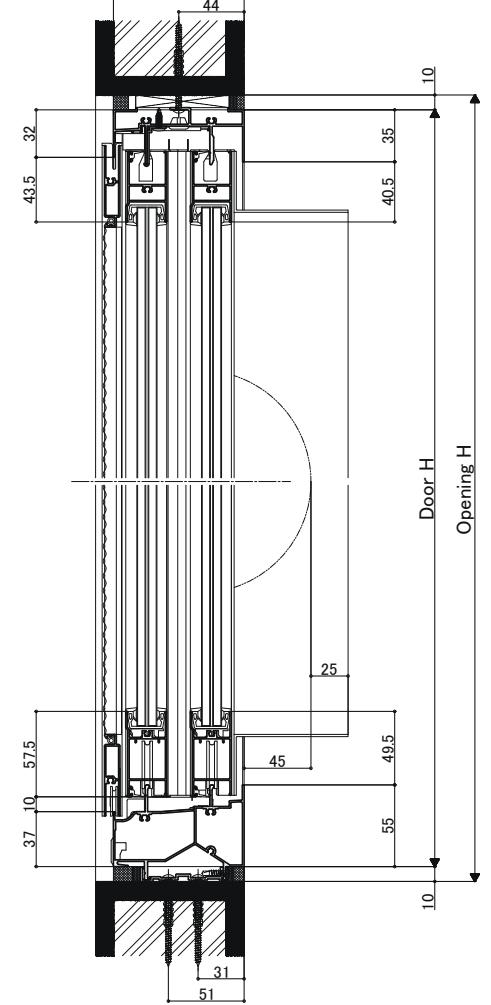
<Vertical section: Fixed window with transom>



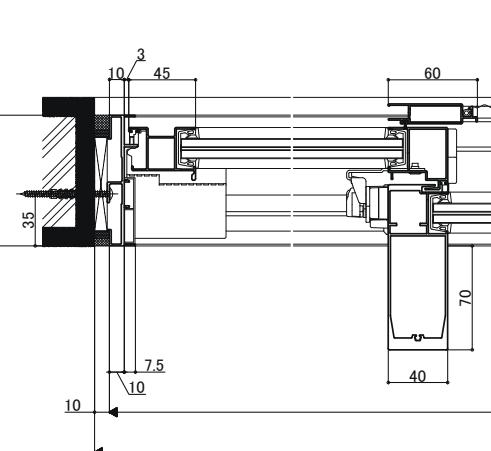
<Horizontal section: Single fixed window>



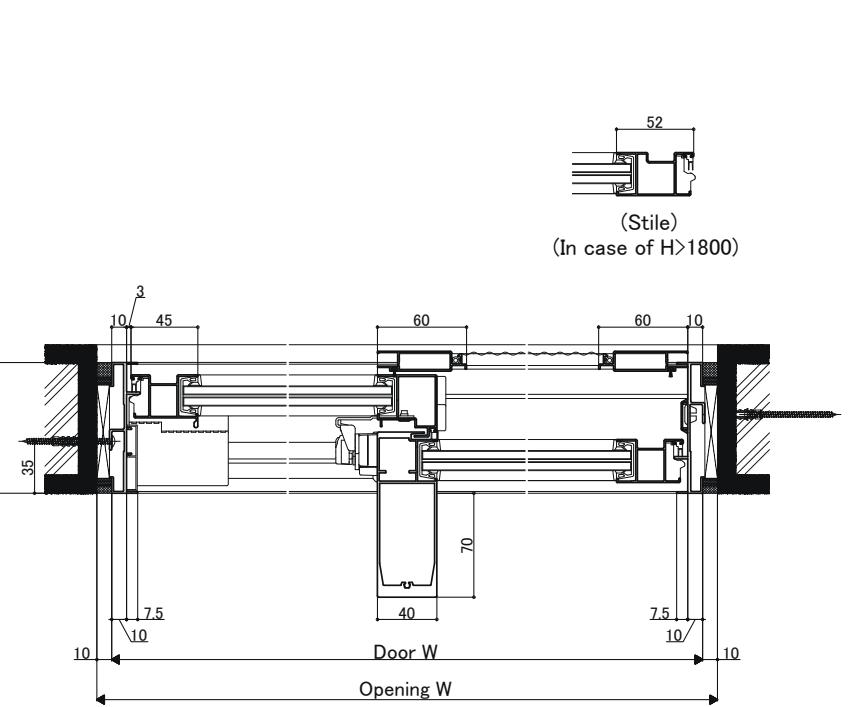
<Horizontal section: Fixed window with mullion>



<Vertical section: 2 and 4 panels sliding door>

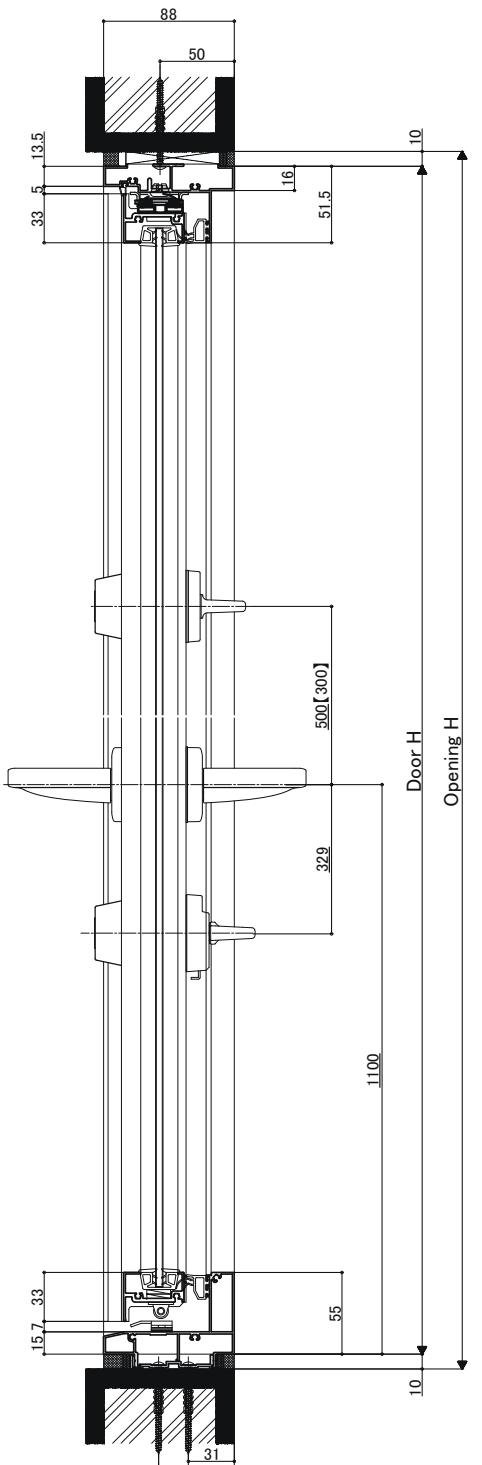


<Horizontal section: 2 panels sliding door>

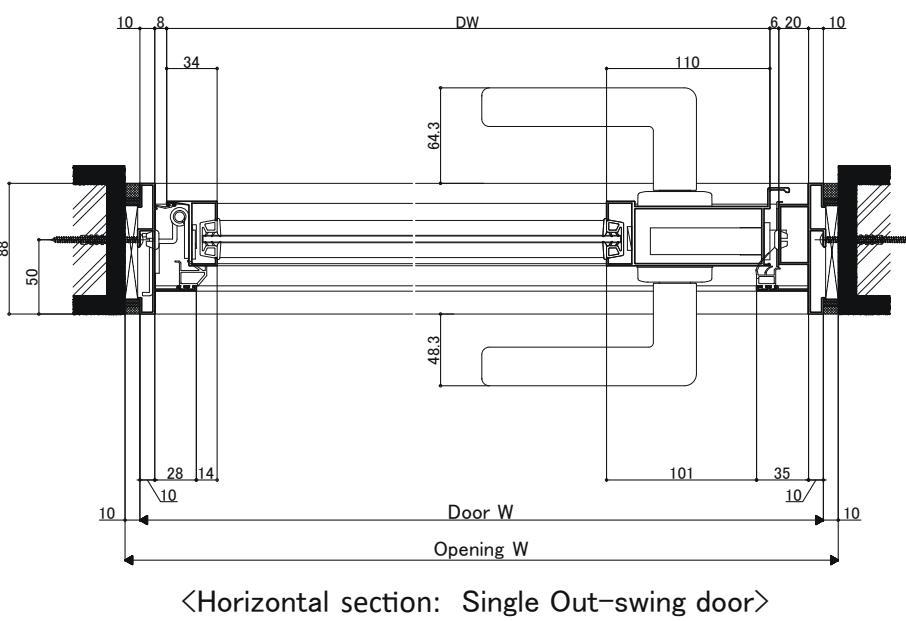


<Horizontal section: 4 panels sliding door>

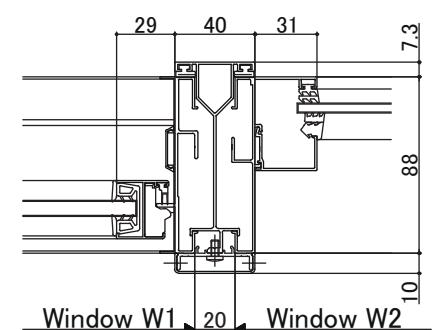
ATIS PLUS COMBINATION



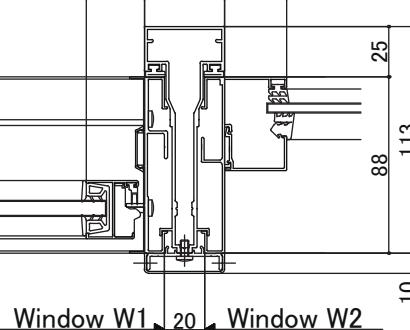
<Vertical section: Single Out-swing door>



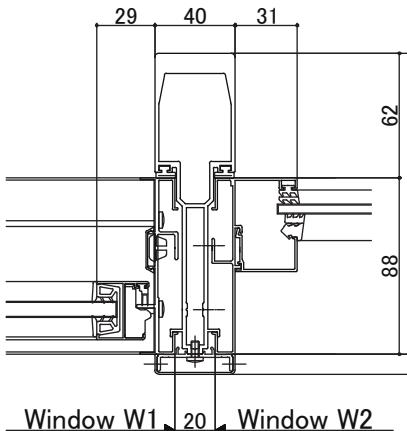
Mullion 180° A Type



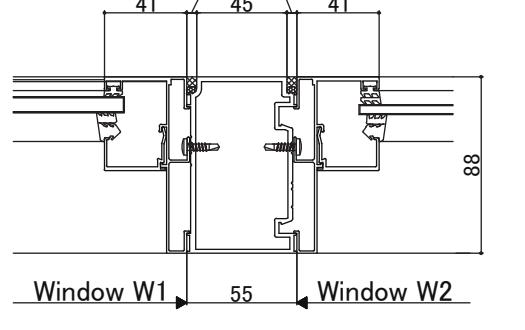
Mullion 180° B Type



Mullion 180° C Type

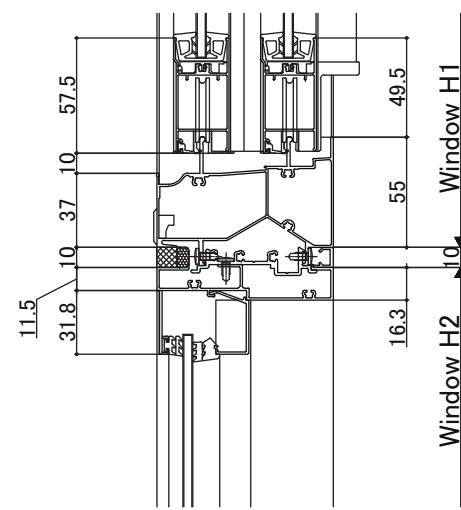


Reinforcement Mullion 180°

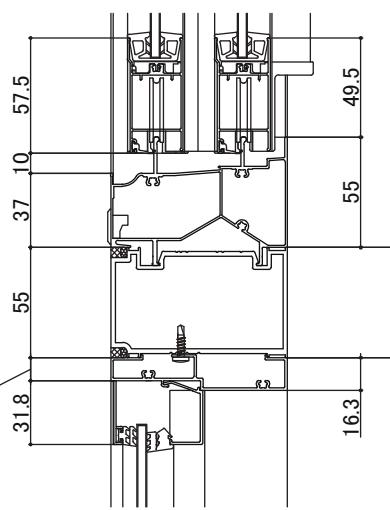


<Horizontal section: Mullion180° for WE combination>

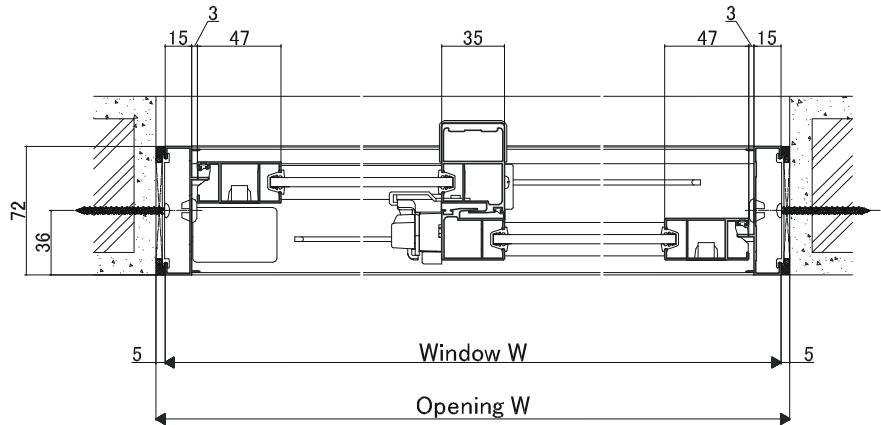
Transom A (88 mm.)



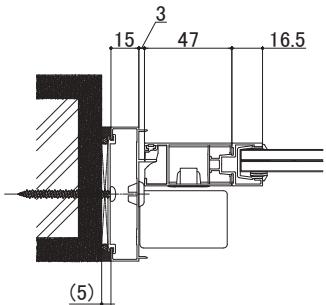
Reinforcement Transom



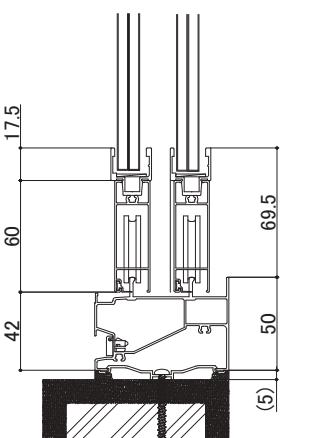
WE PLUS WINDOW SERIES



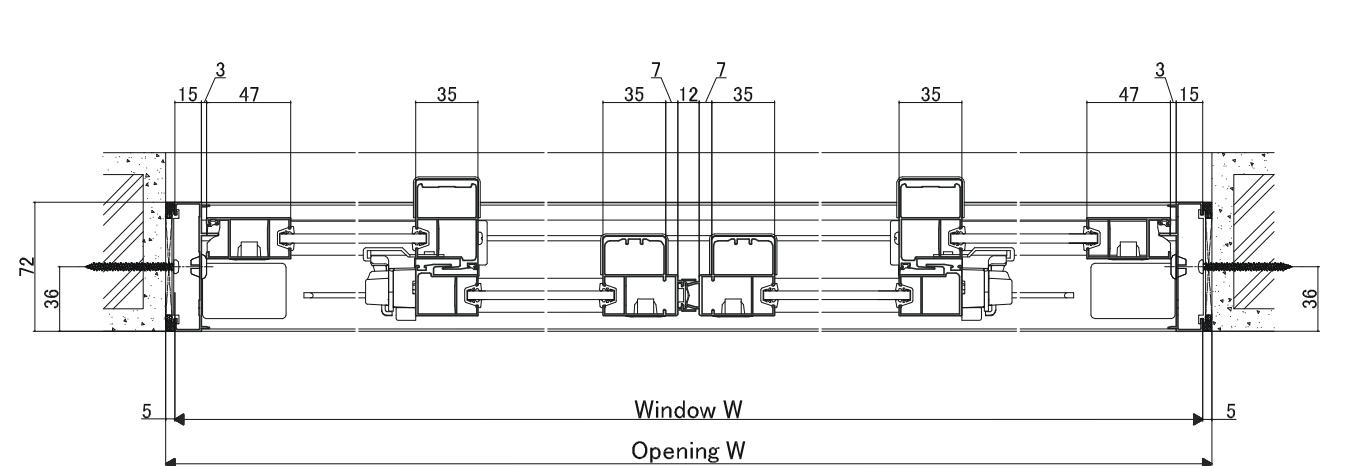
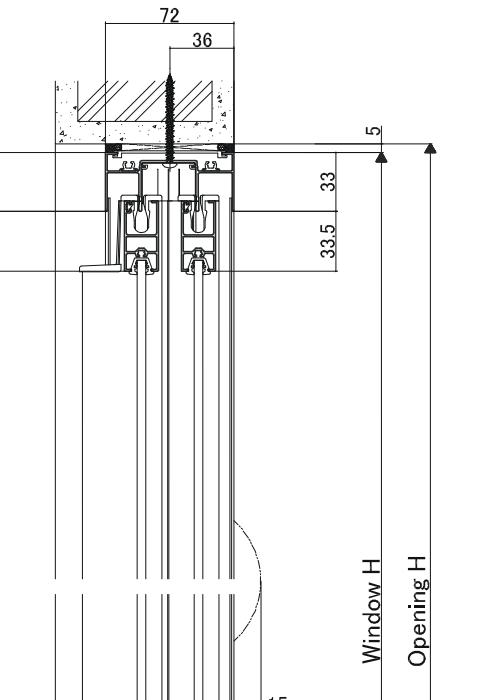
〈Horizontal section: 2 panels sliding window〉



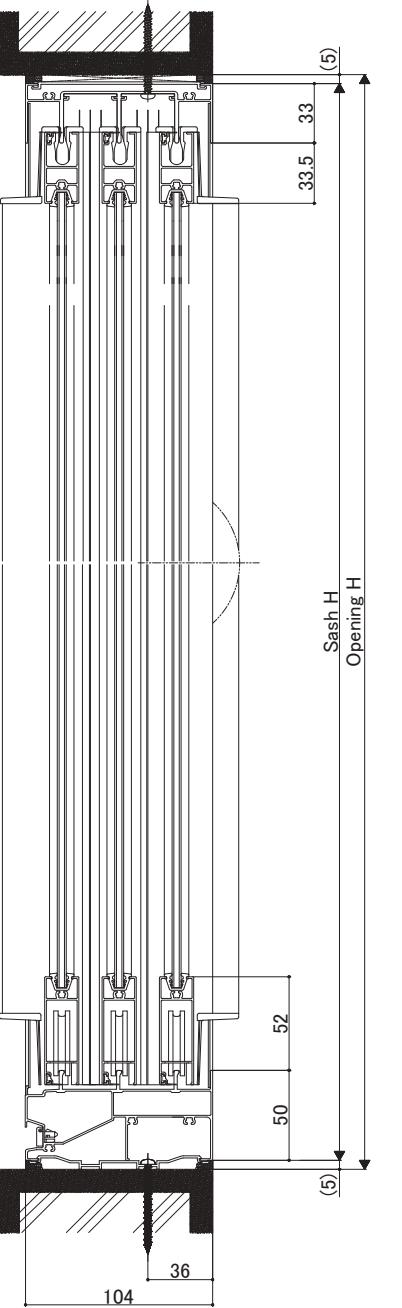
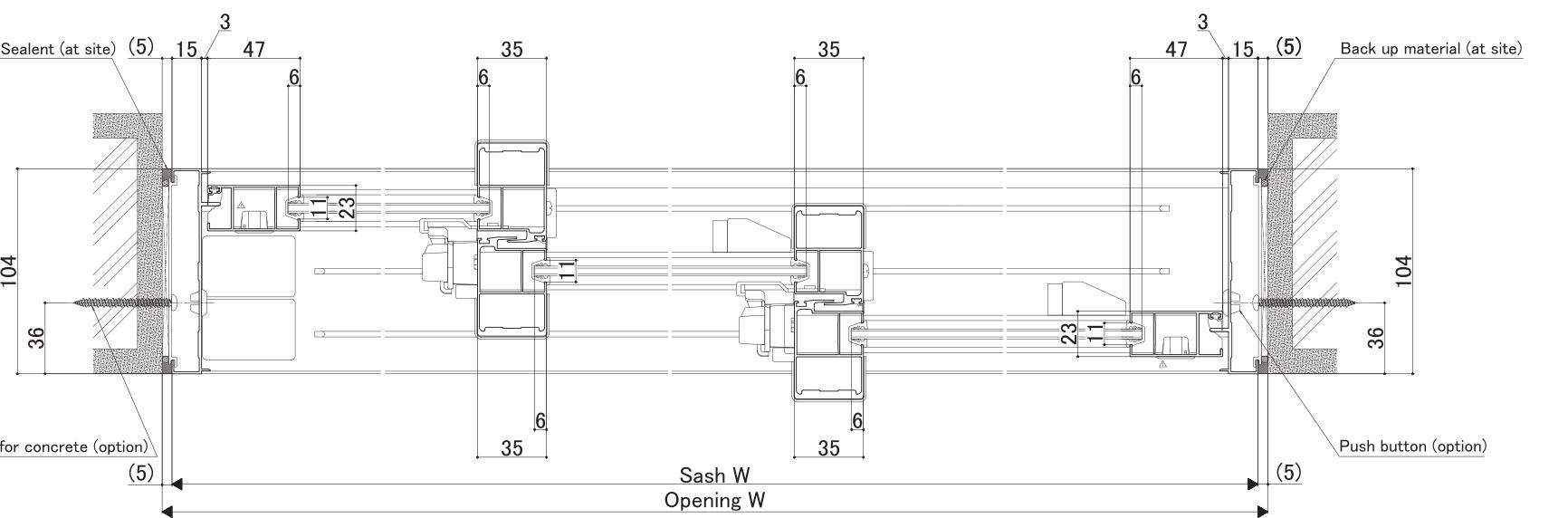
<With laminate>



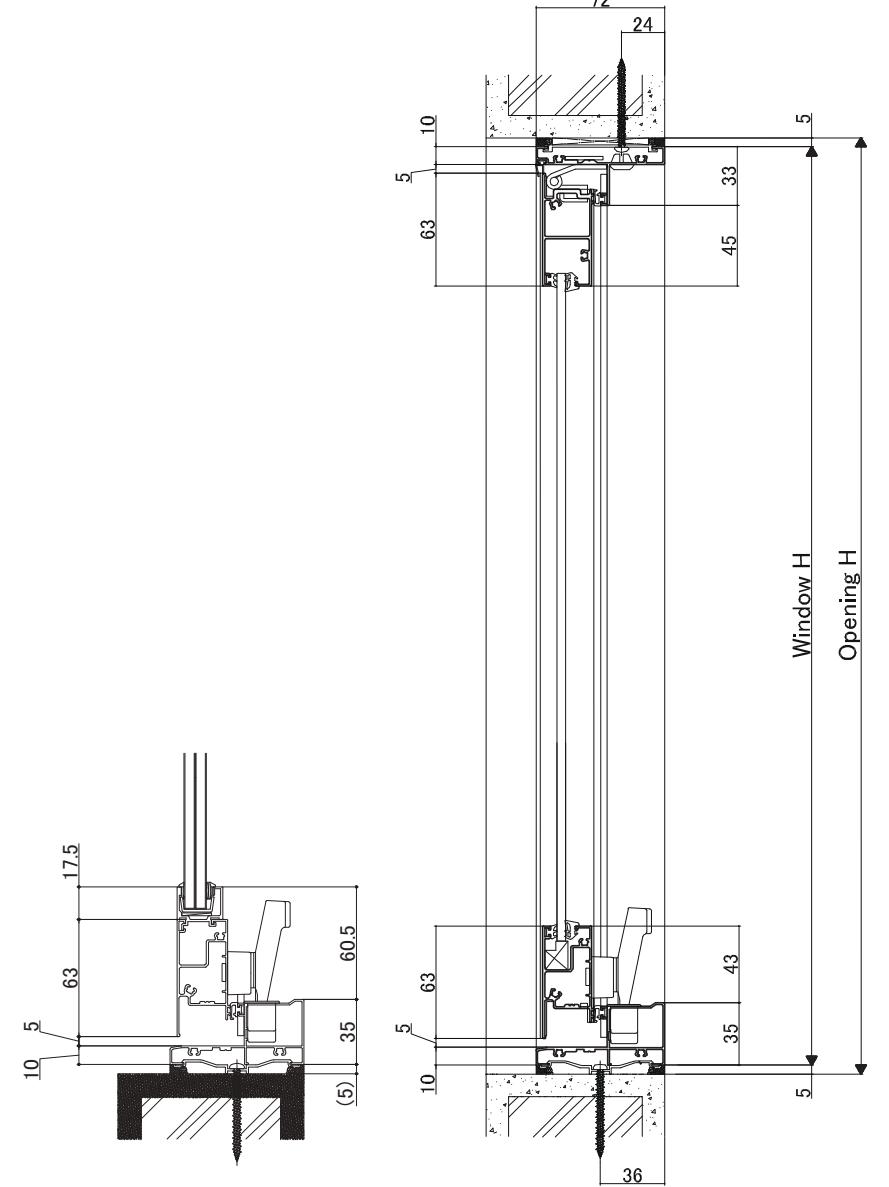
〈Vertical section: 2 and 4 panels sliding window〉



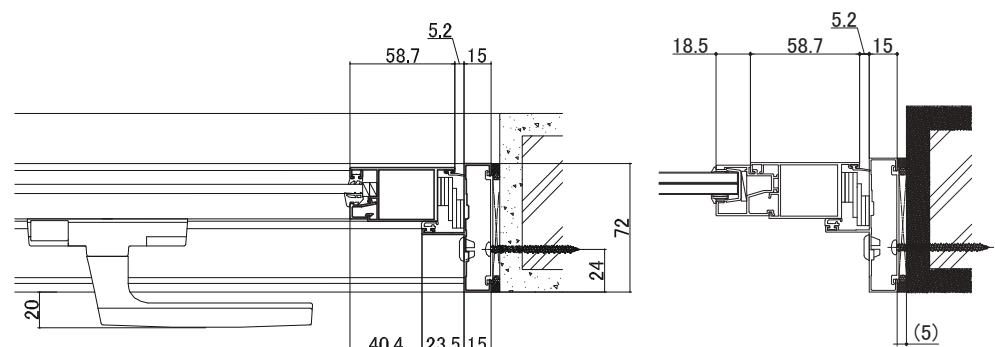
〈Horizontal section: 4 panels sliding window〉



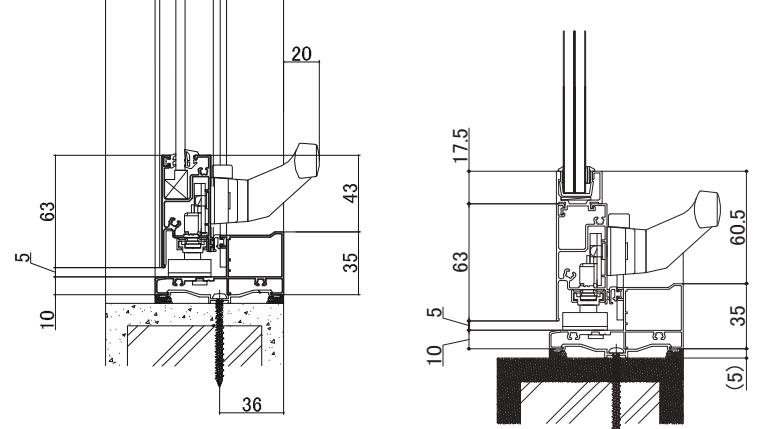
REFERENCE DRAWINGS | WE PLUS WINDOW SERIES | 143



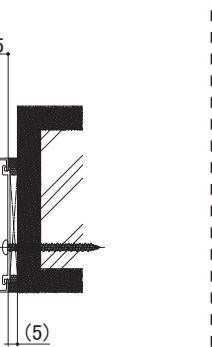
<Vertical section: Awning (single lock)>



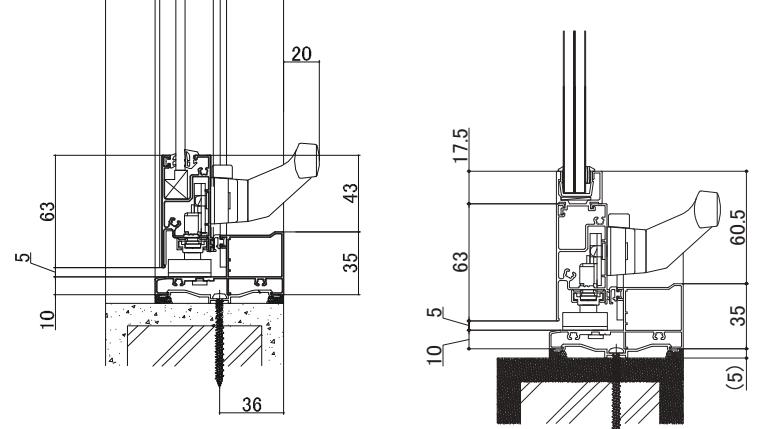
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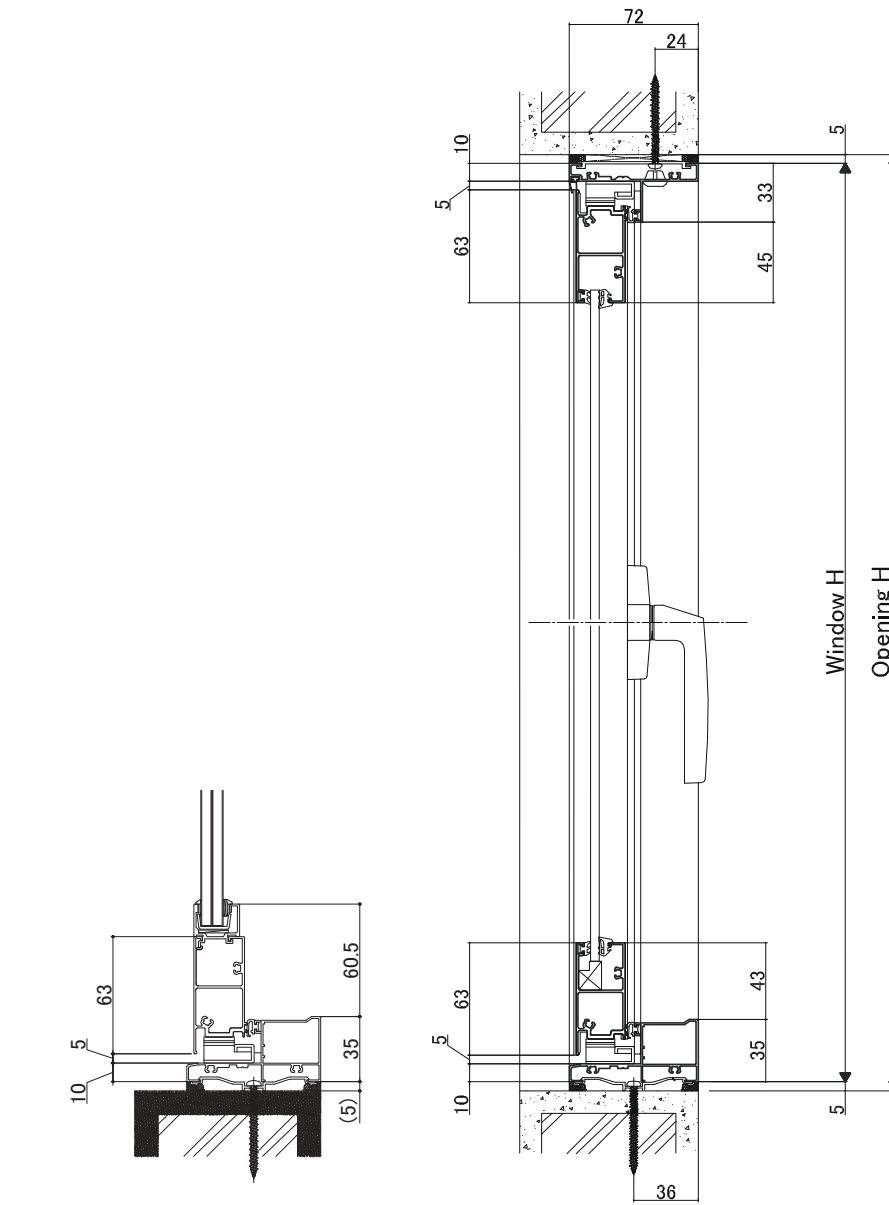
<Multi lock bottom detail>



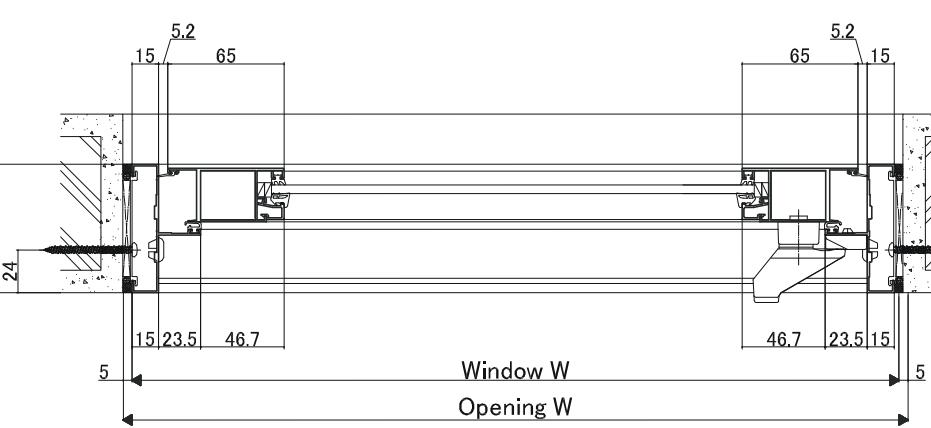
<Multi lock jamb detail>



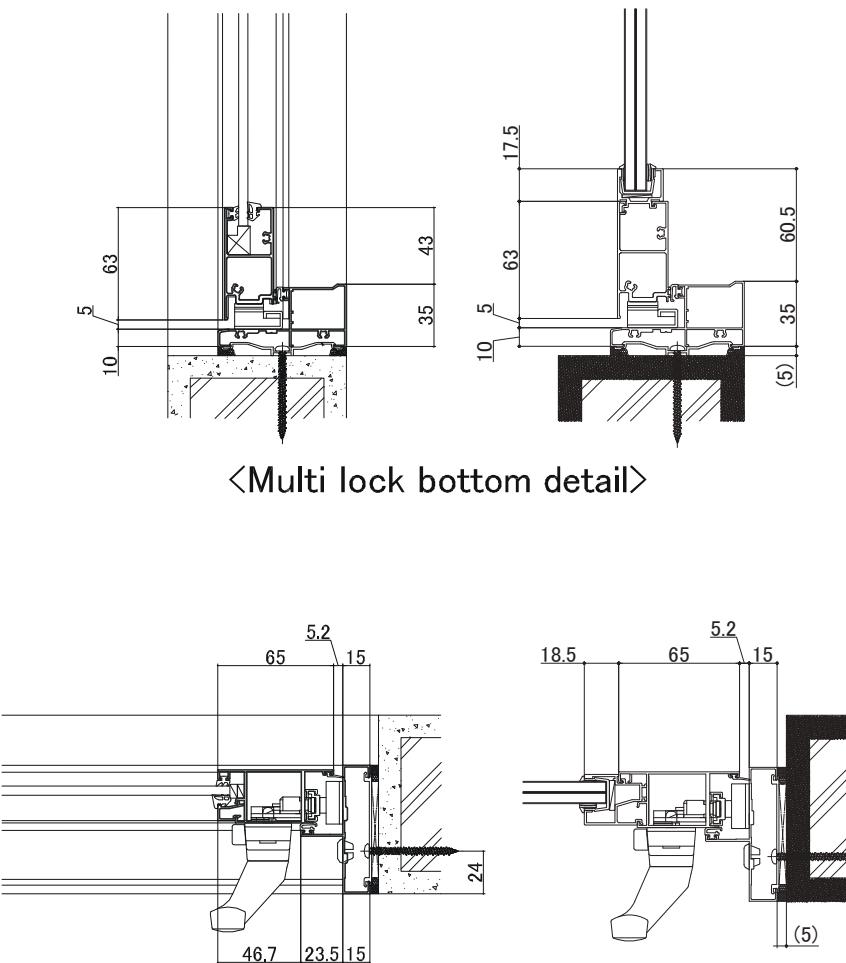
<Multi lock bottom detail>



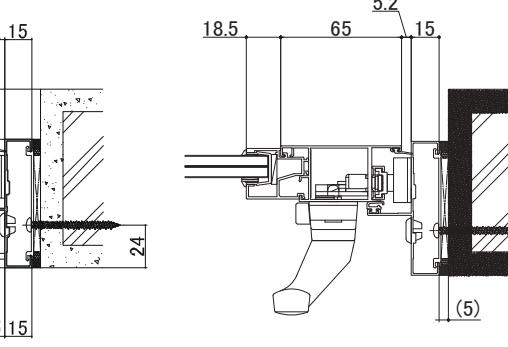
<Vertical section: Casement (single lock)>



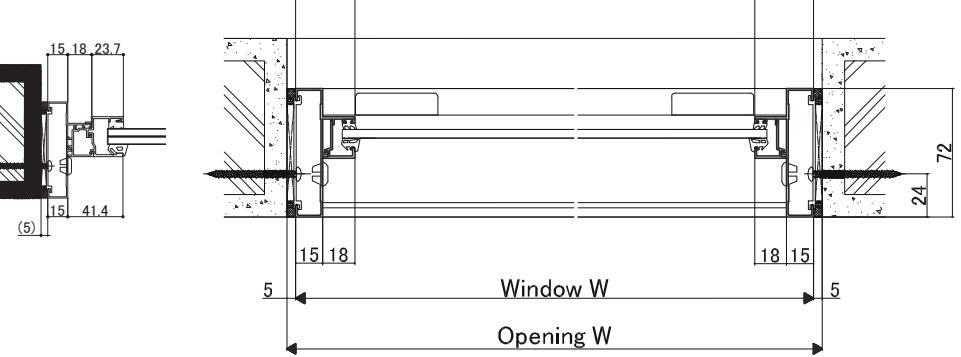
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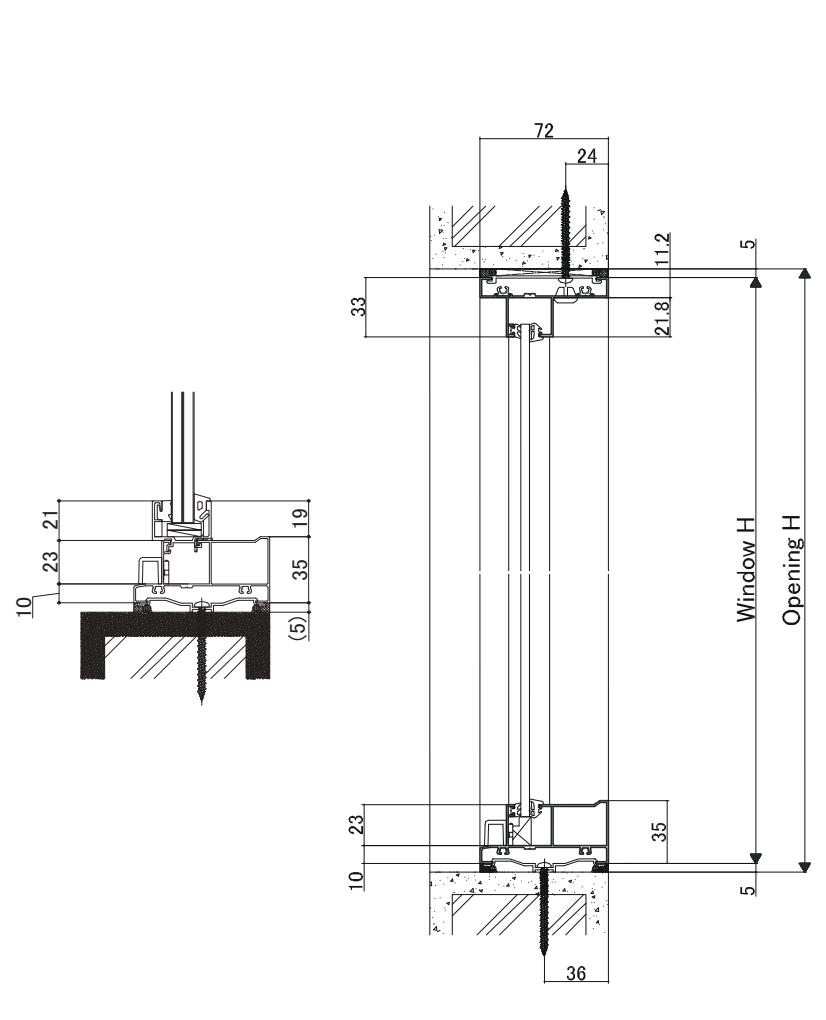
<Multi lock bottom detail>



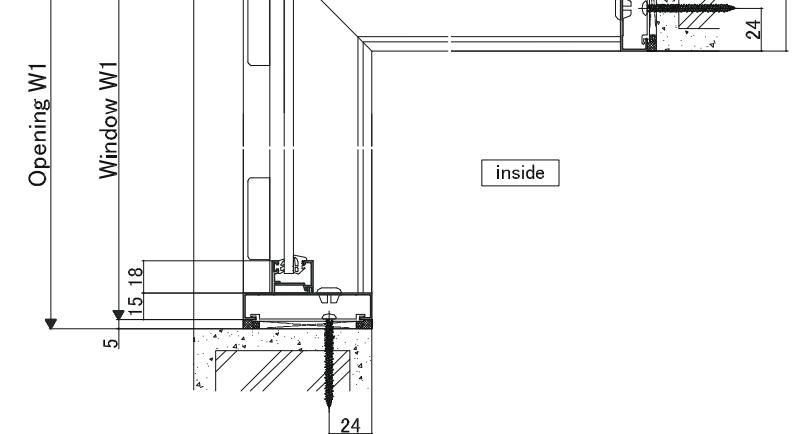
<Multi lock jamb detail>



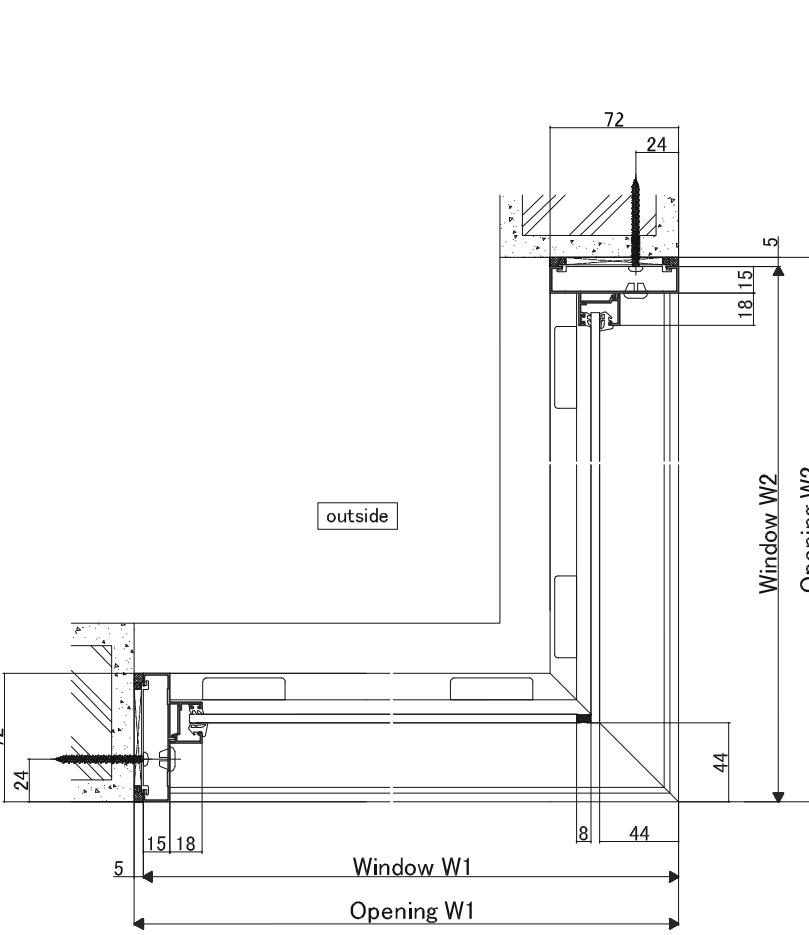
〈Horizontal section: Single fixed window〉



〈Vertical section: Single and corner fixed window〉

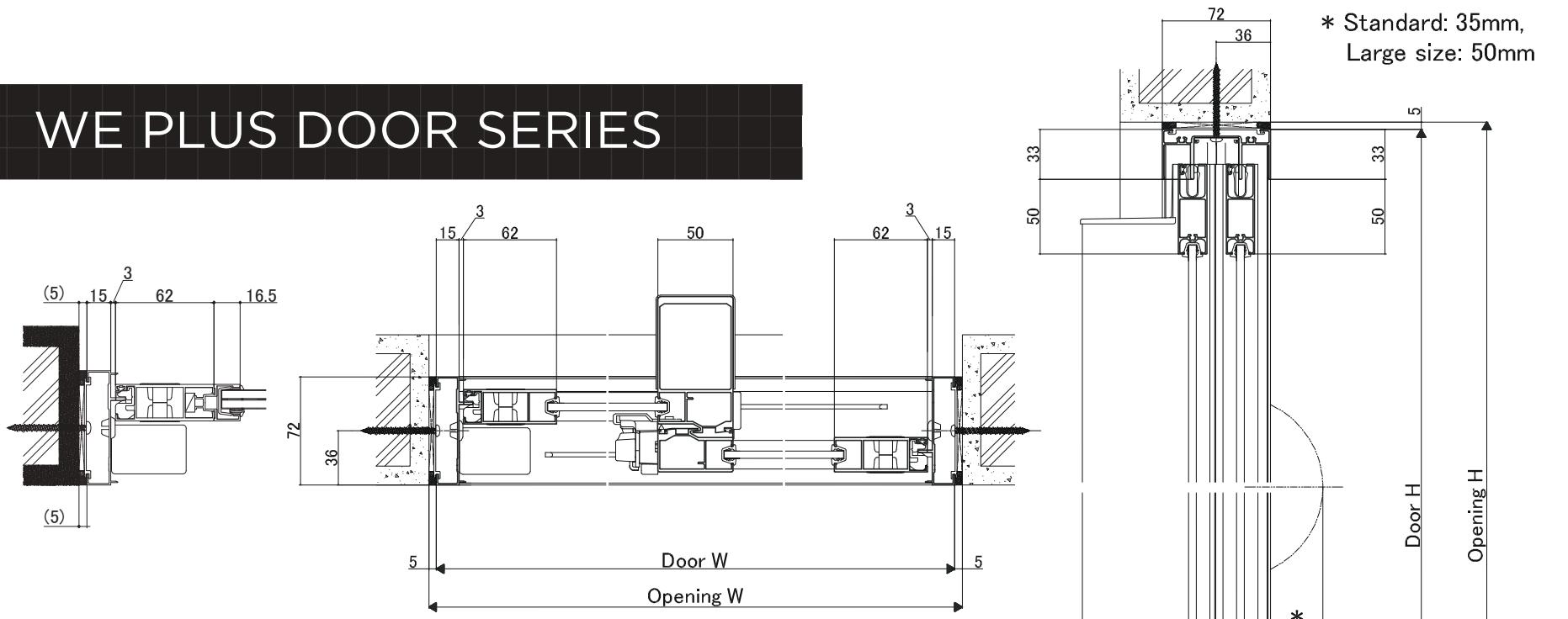


〈Horizontal section: Outward fixed window〉

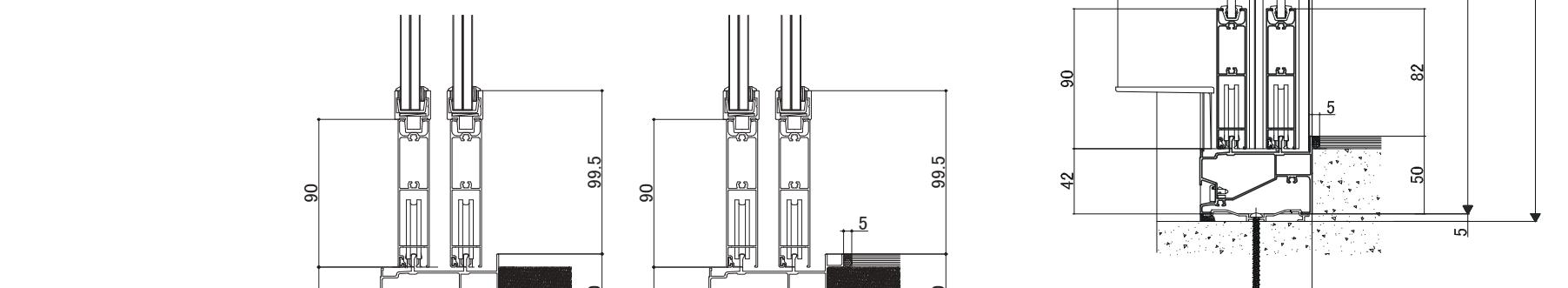


<Horizontal section: Inward fixed window>

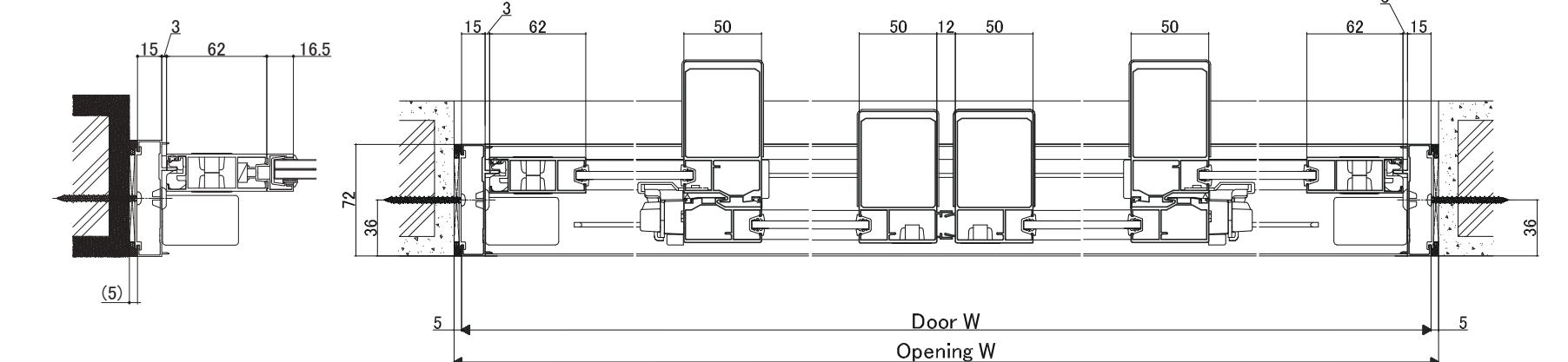
WE PLUS DOOR SERIES



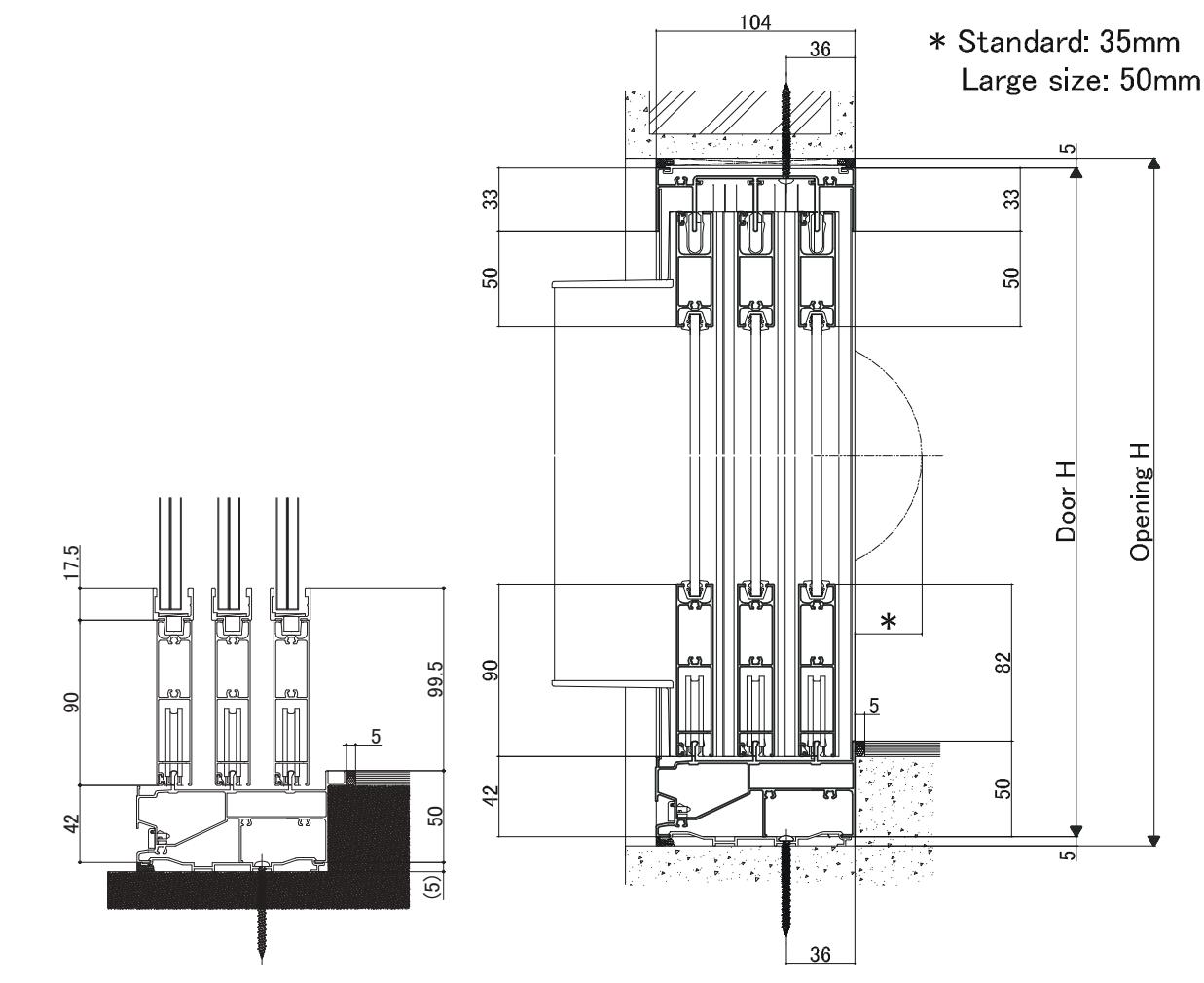
<Horizontal section: 2 panels sliding door>



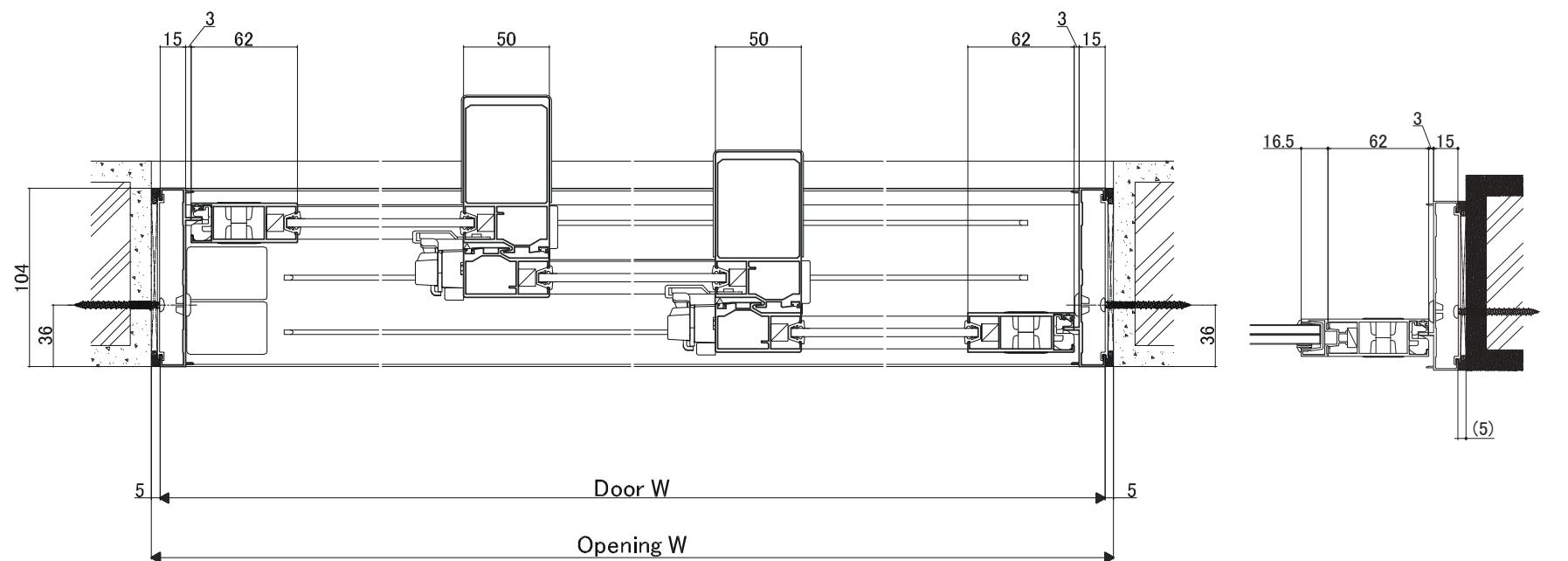
〈Vertical section: 2 and 4 panels sliding door〉



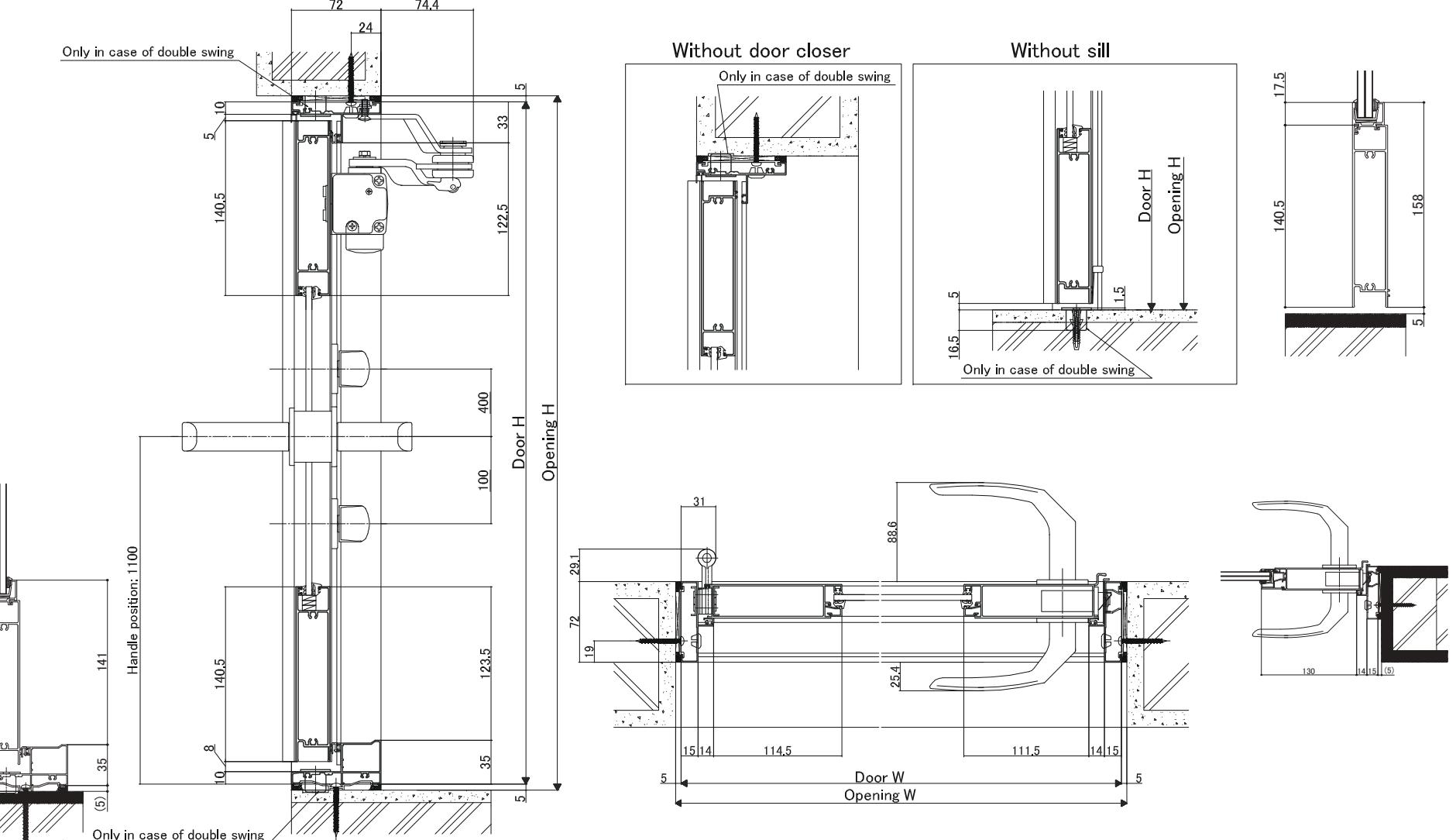
<Horizontal section: 4 panels sliding door>



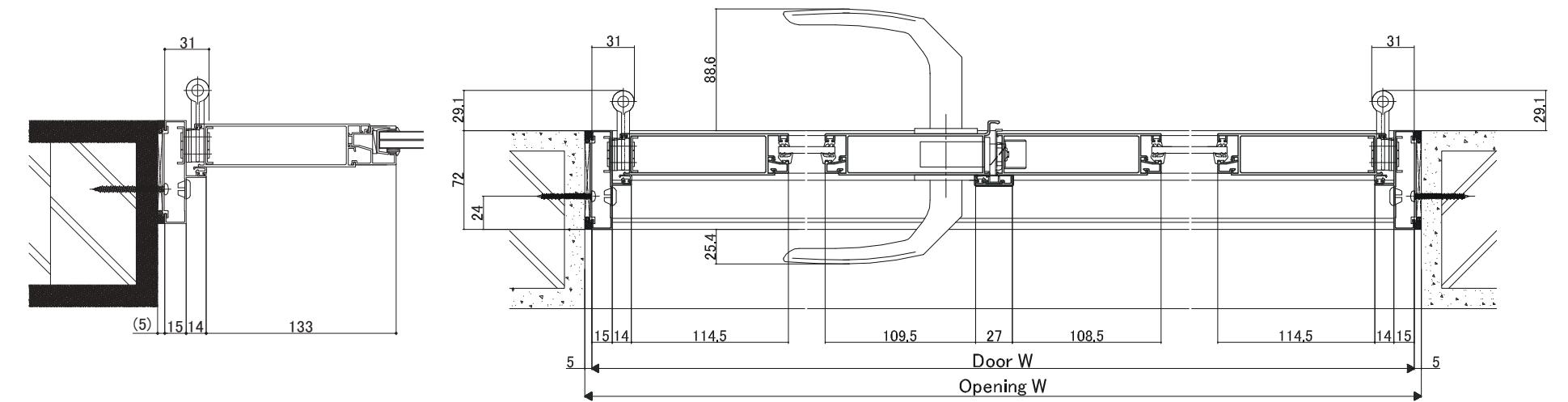
<Vertical section: 3 panels sliding door>



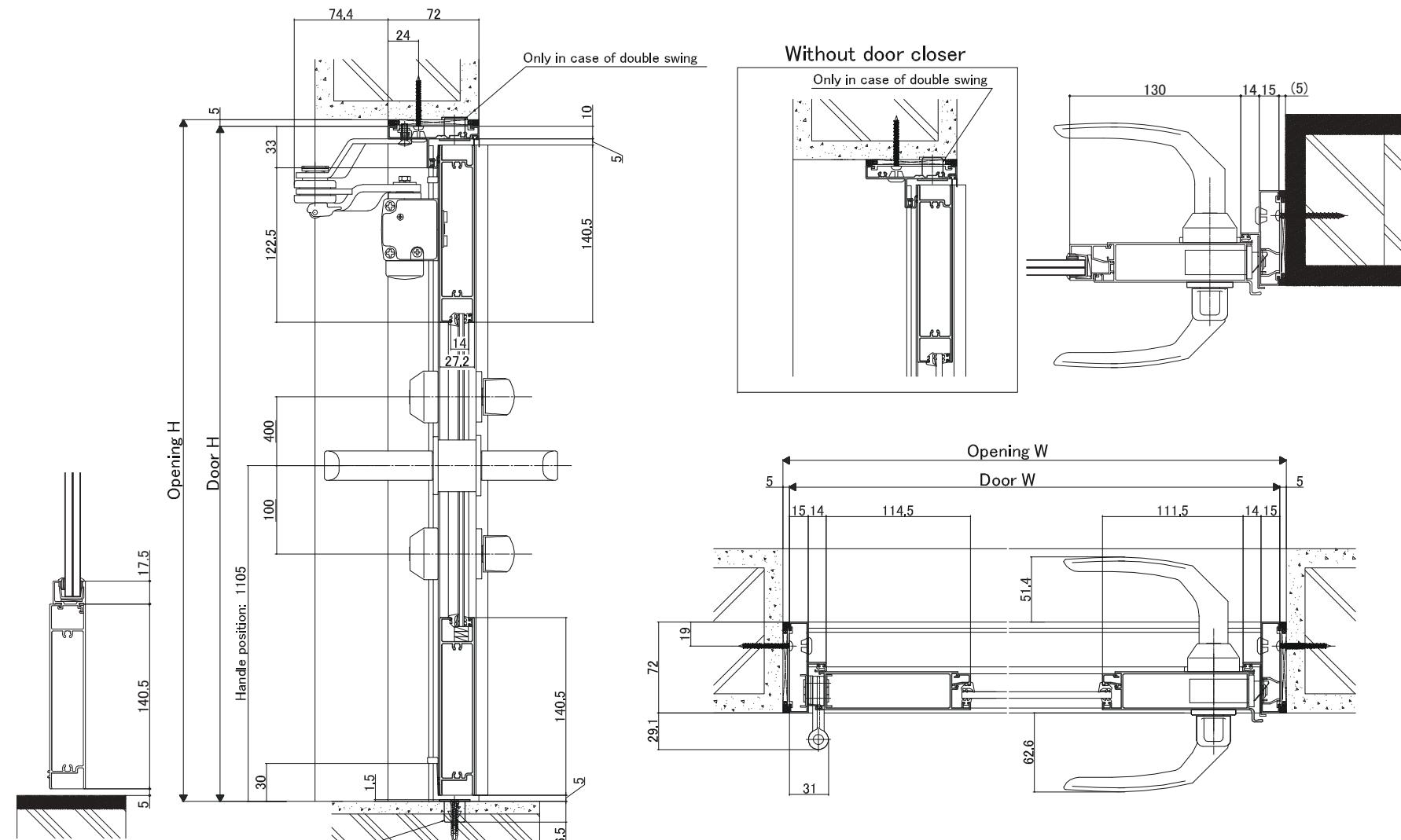
<Horizontal section: 3 panels sliding door>



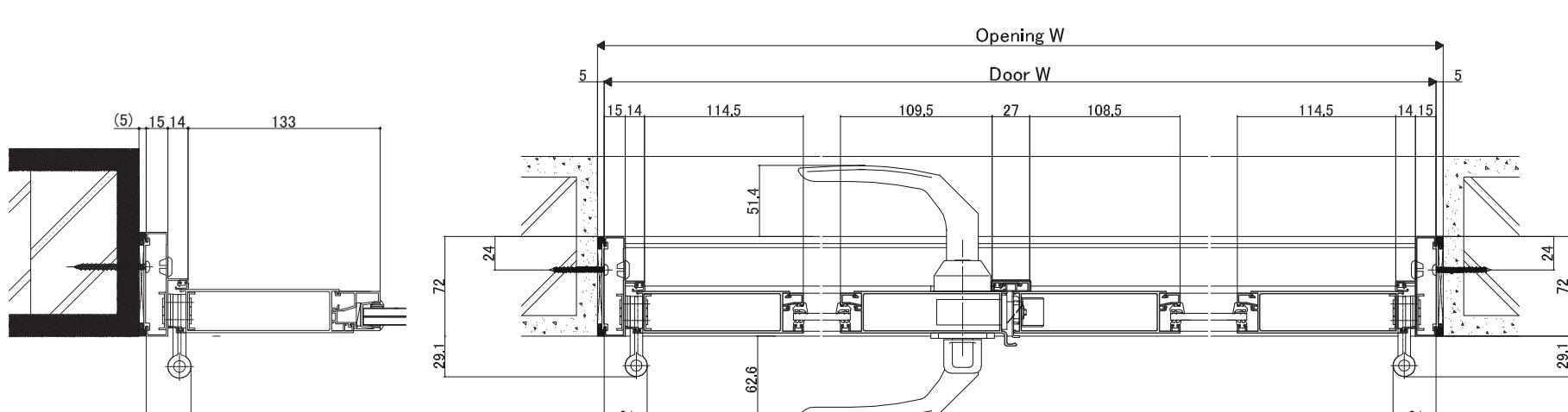
<Vertical section: Single & double out-swing door with sill>



<Horizontal section: Double out-swing door>

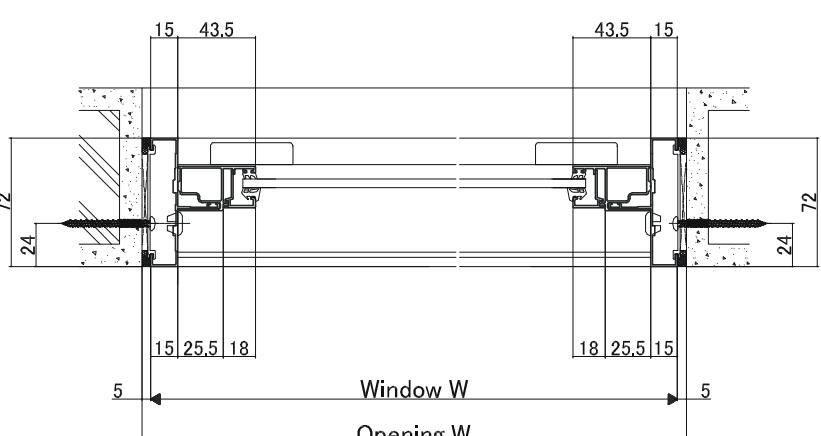
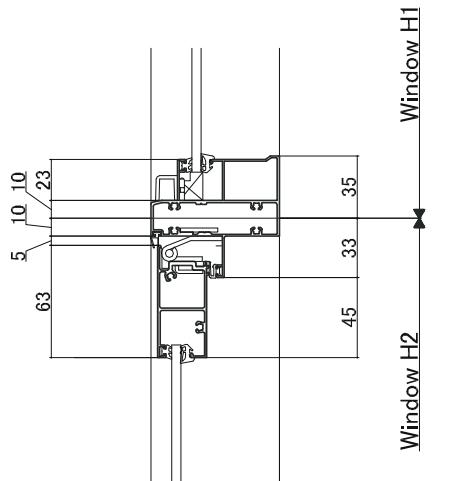
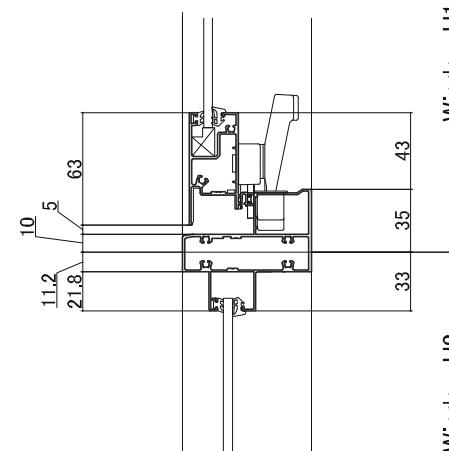
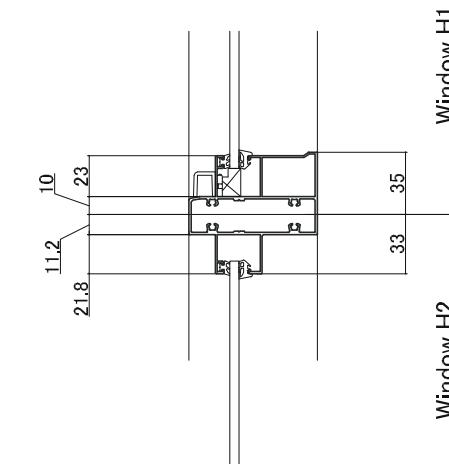


<Vertical section: Single & double in-swing door>

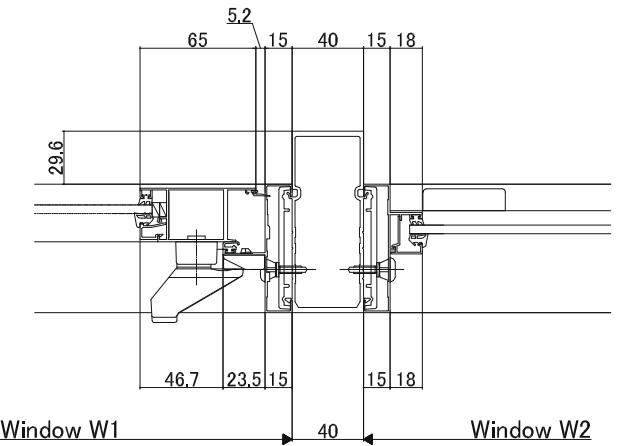


<Horizontal section: Double in-swing door>

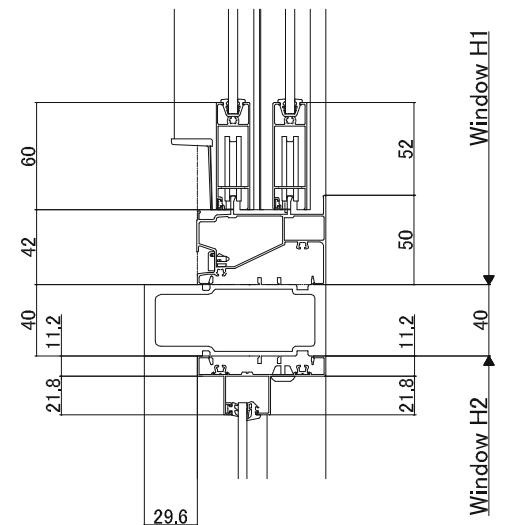
WE PLUS COMBINATION



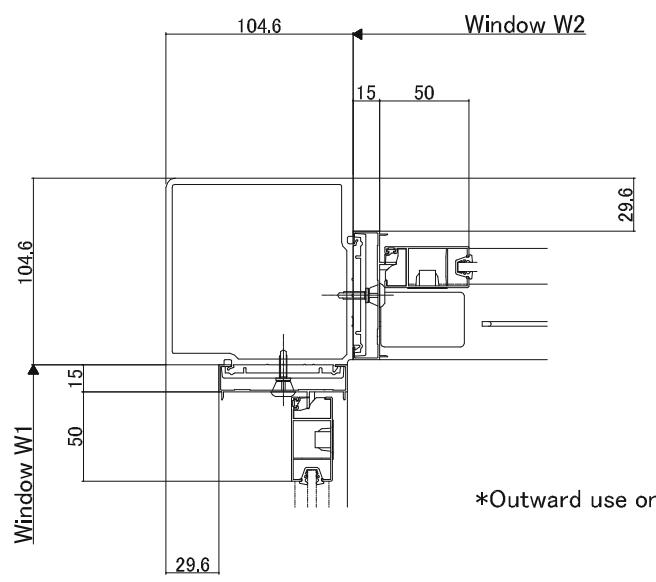
<Horizontal section: Combination fixed window>



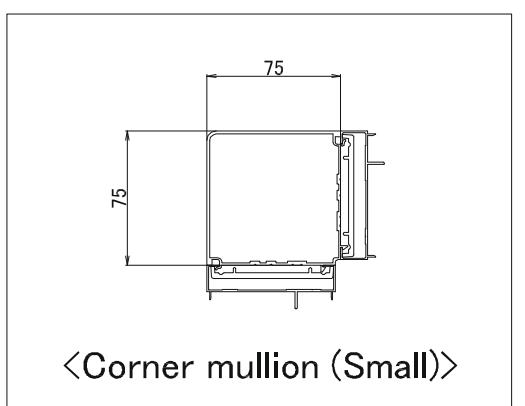
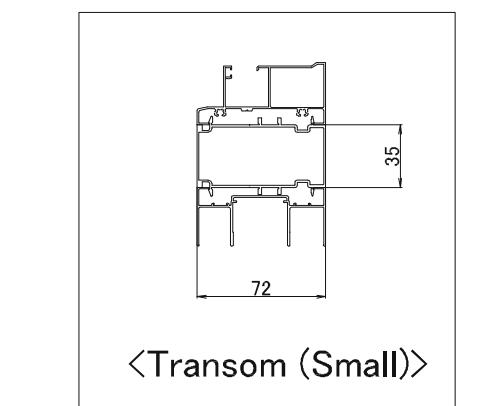
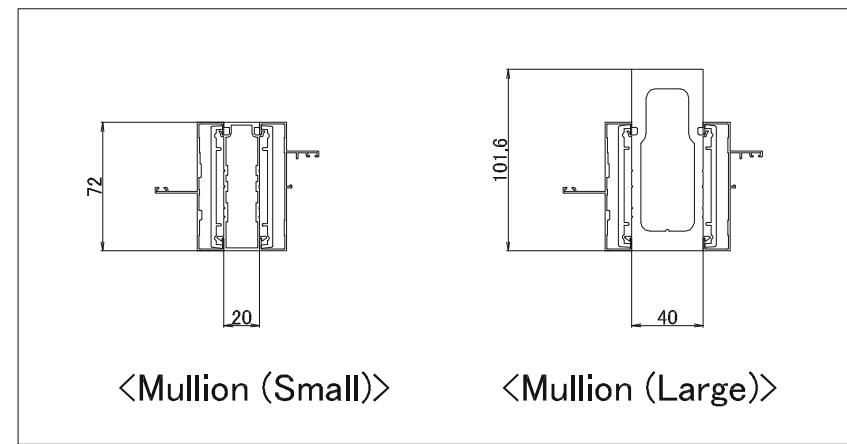
<Mullion (medium)>



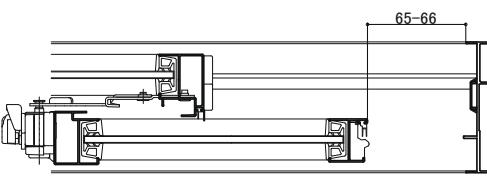
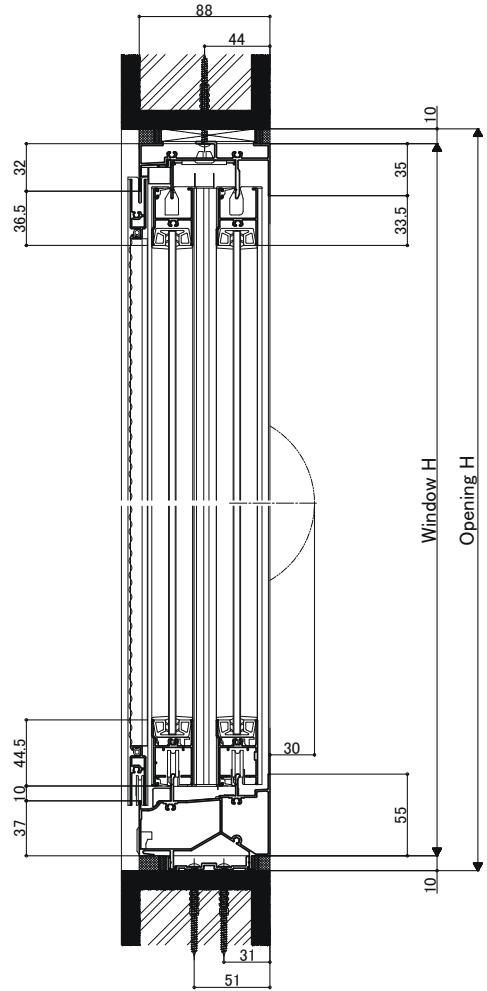
<Transom (Large)>



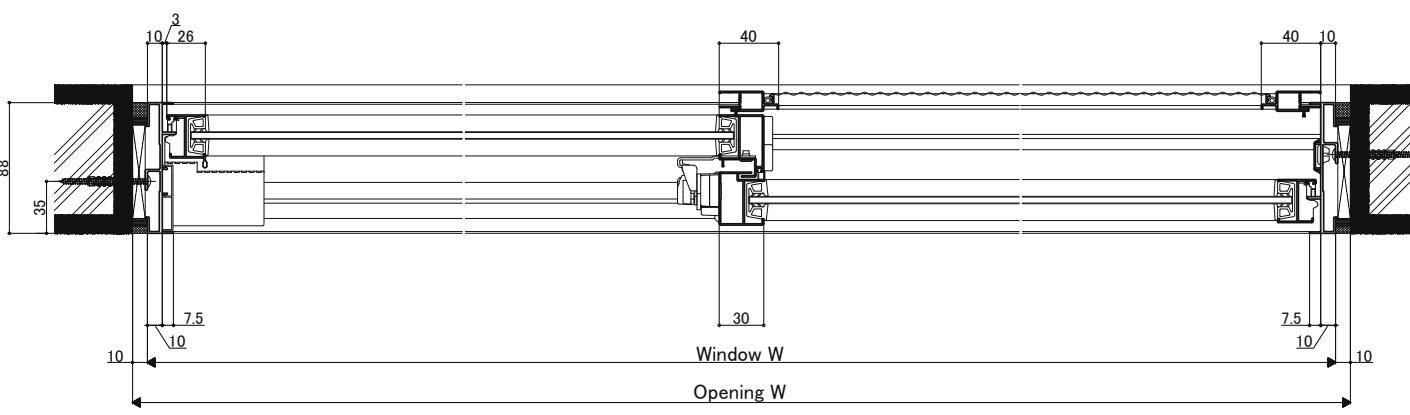
<Corner mullion (Large)>



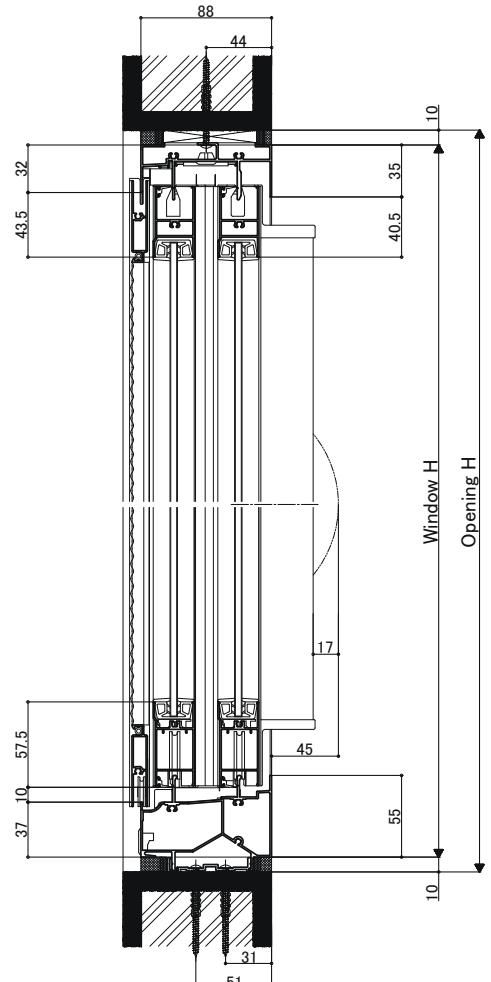
ATIS WINDOW SERIES



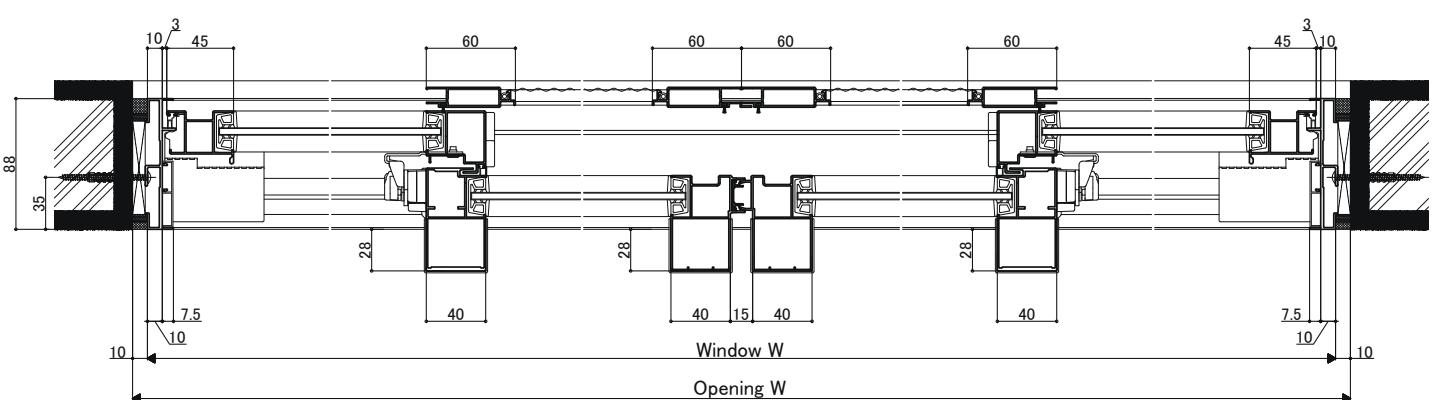
<Vertical section: 2 panels sliding window >



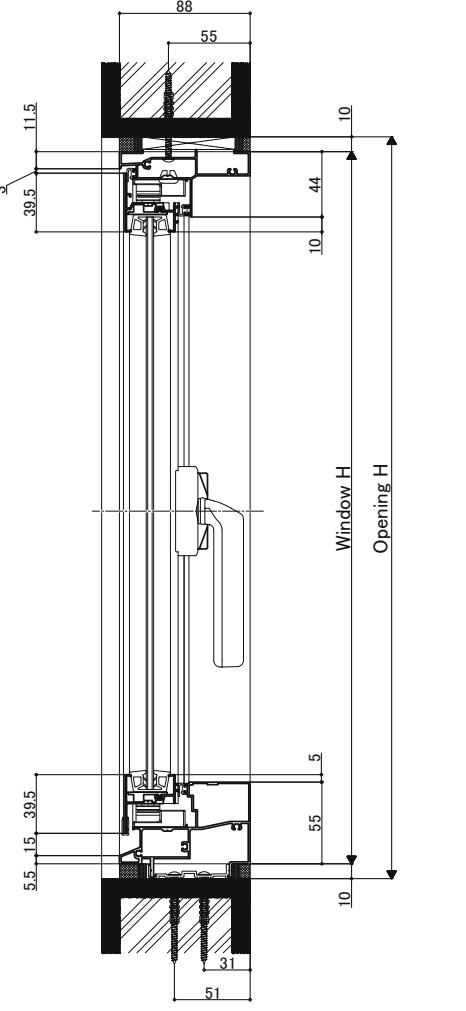
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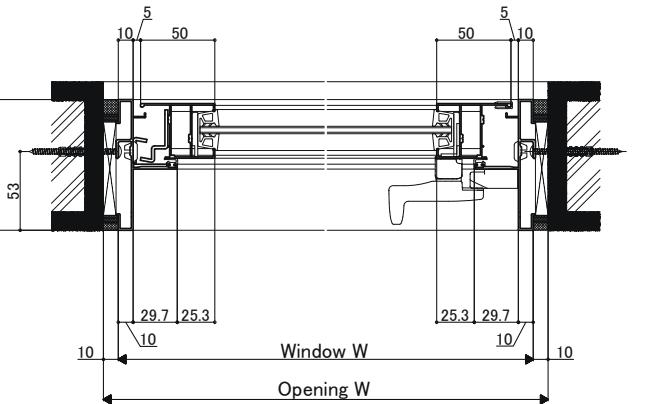
<Vertical section: 4 panels sliding window >



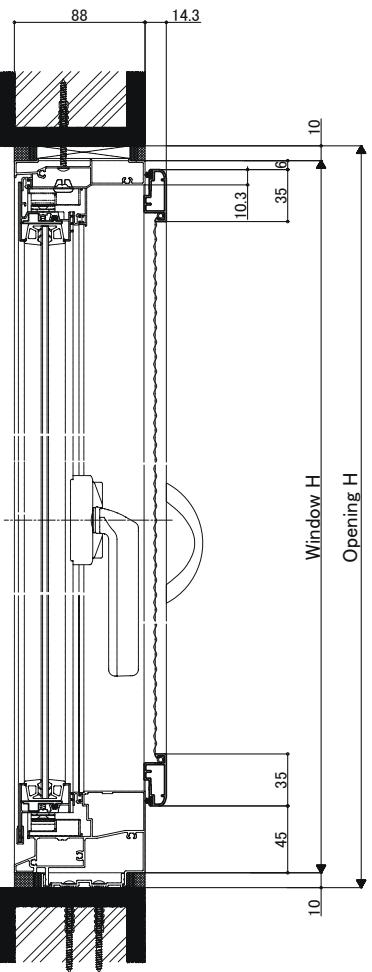
<Horizontal section: 4 panels sliding window >



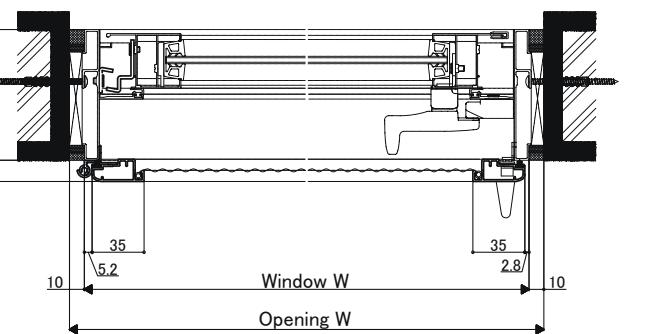
<Vertical section: Casement window(Single lock)>



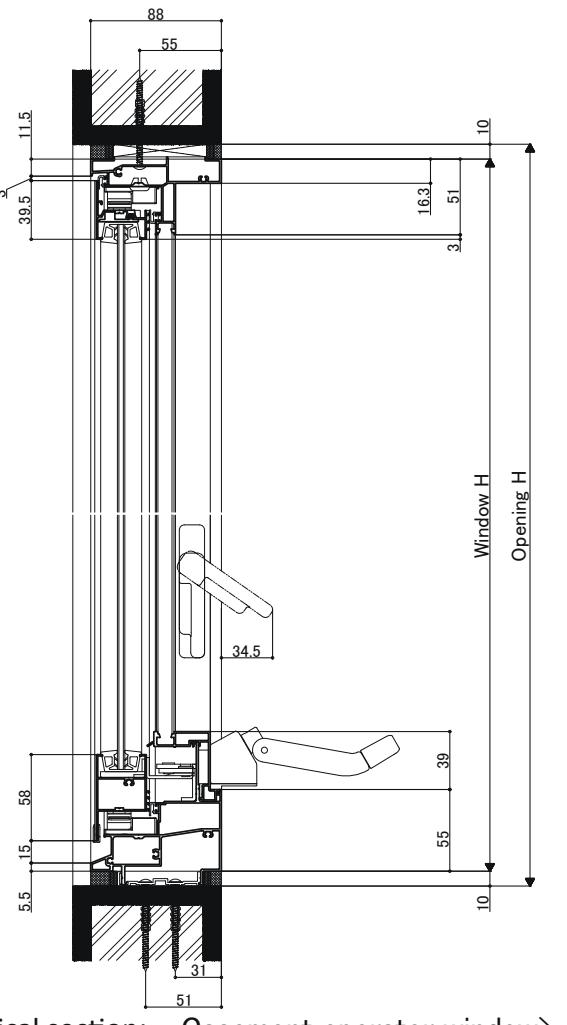
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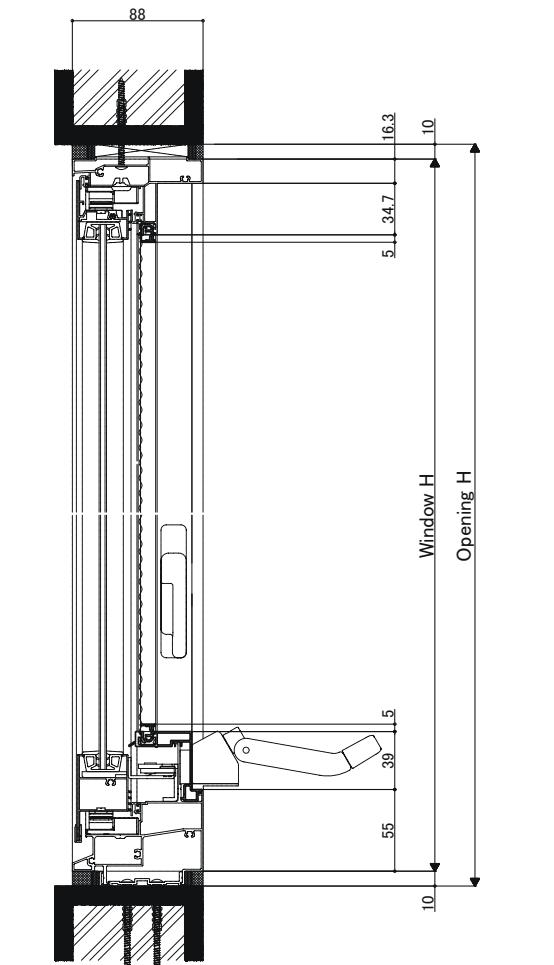
<Vertical section: Casement with screen>



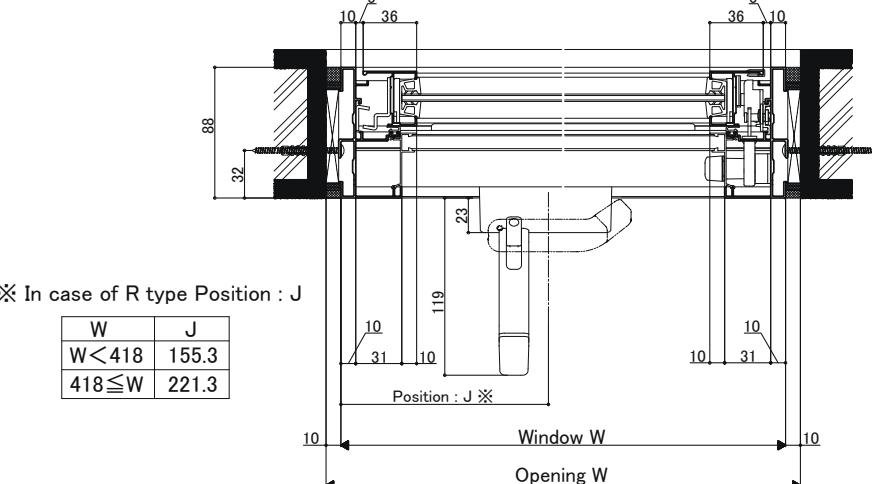
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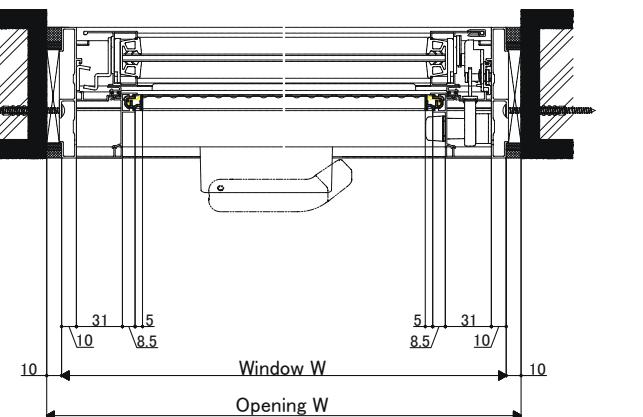
<Vertical section: Casement operator window>



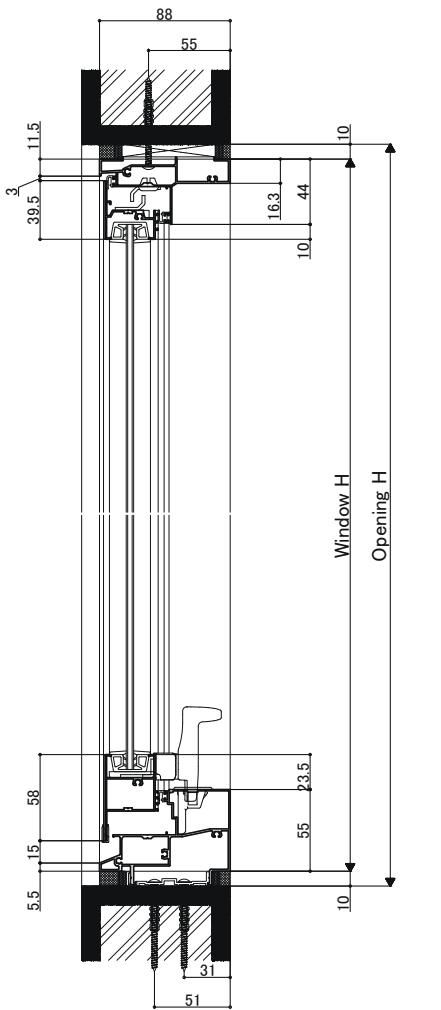
Vertical section: Casement with screen>



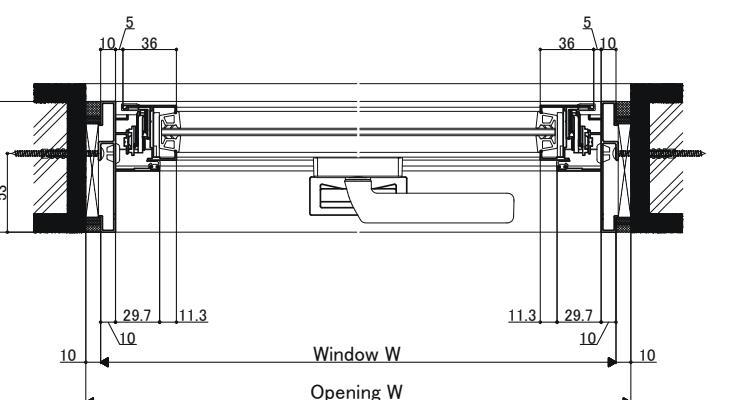
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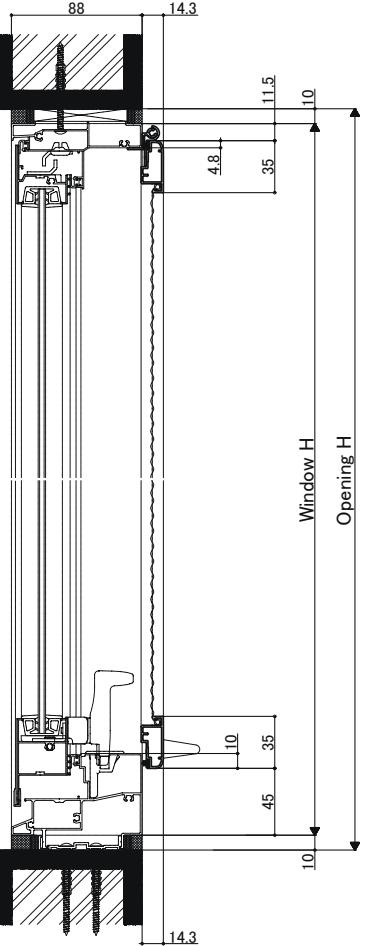
Horizontal section: Casement with screen>



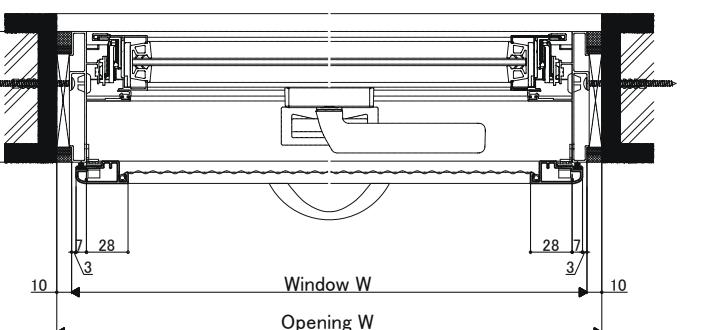
Vertical section: Awning window (Single lock) >



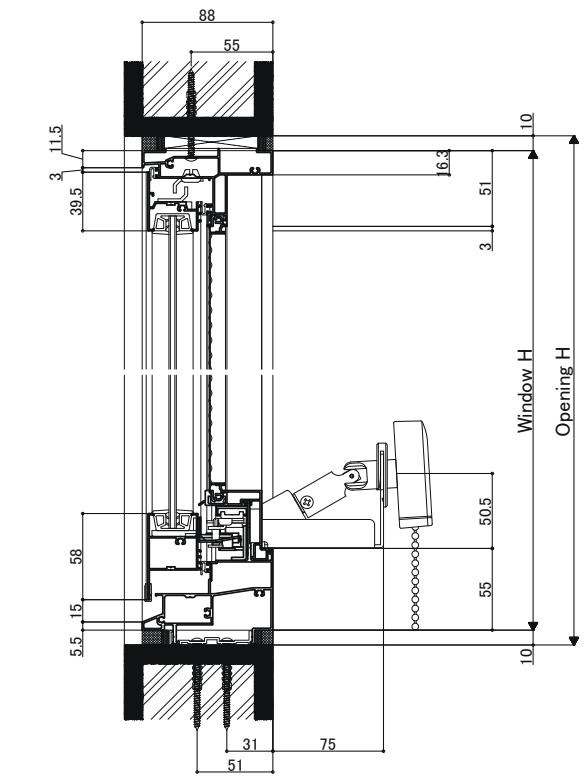
horizontal section: Awning window (Single lock) >



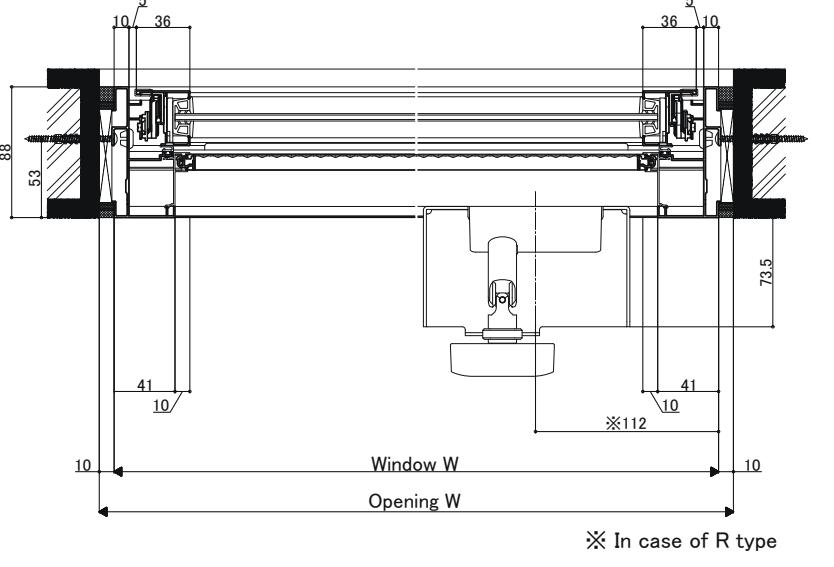
Vertical section: Awning with screen>



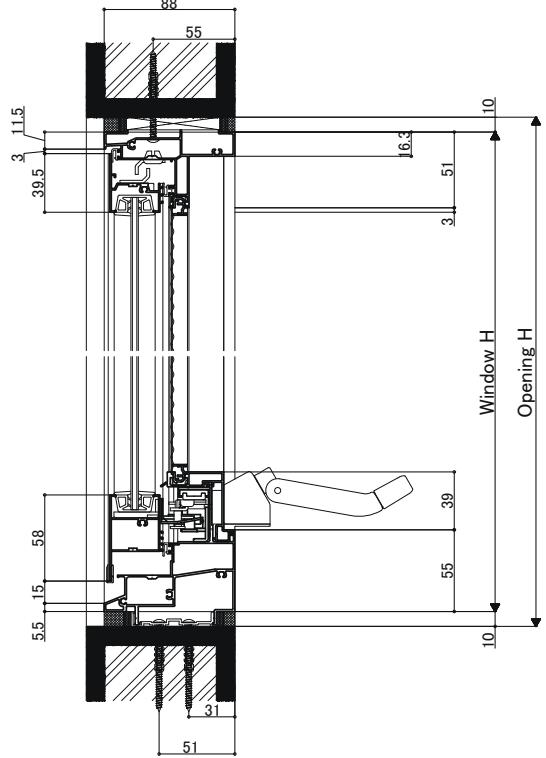
horizontal section: Awning with screen



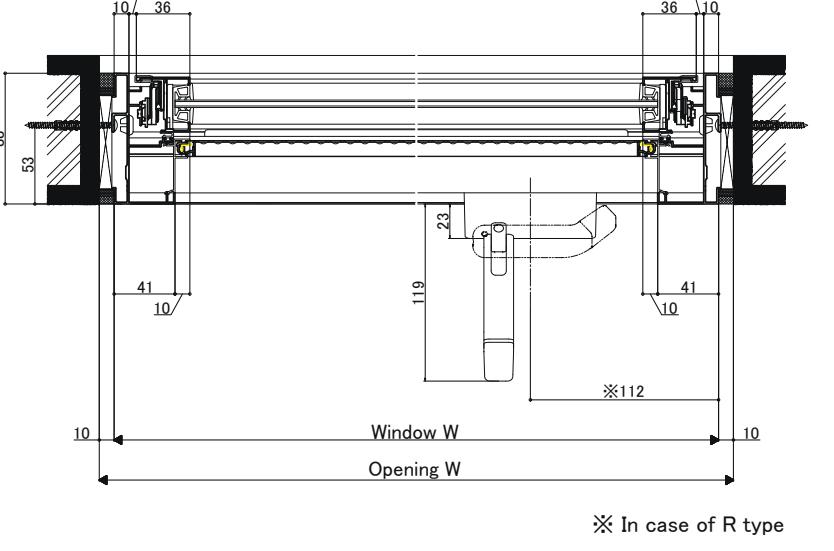
<Vertical section : Awning Slit window (chain set) >



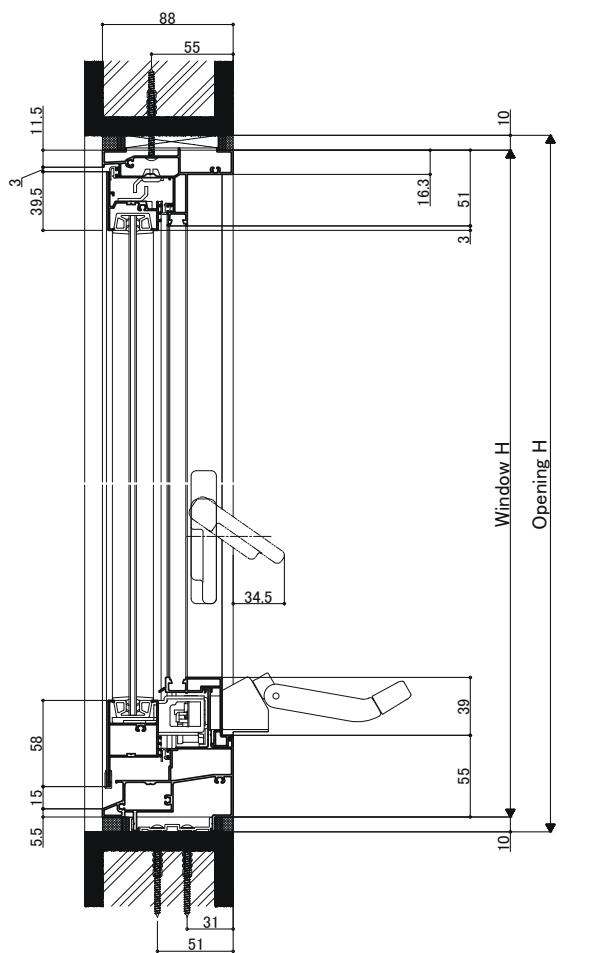
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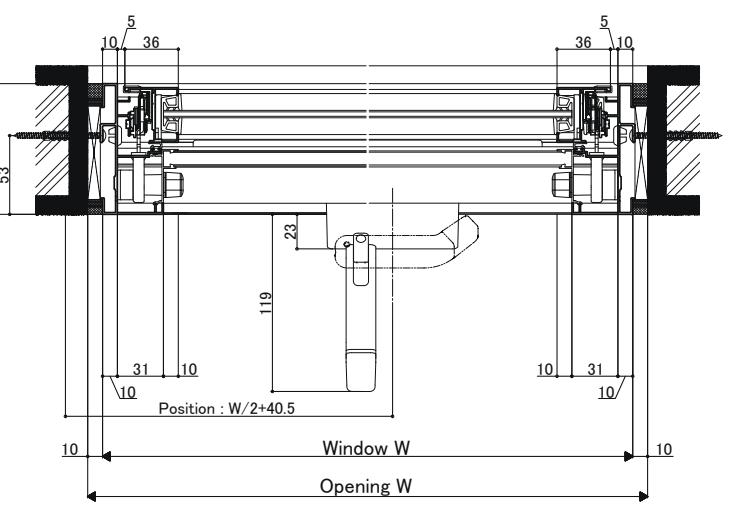
<Vertical section : Awning Slit window (handle set) >



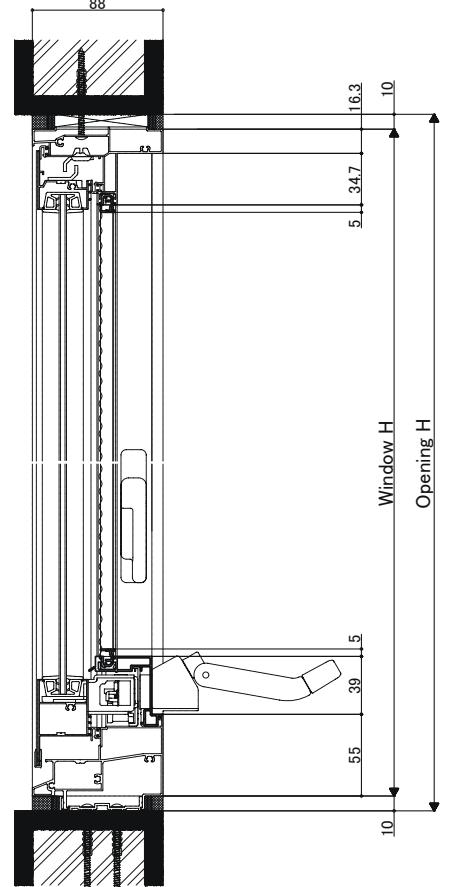
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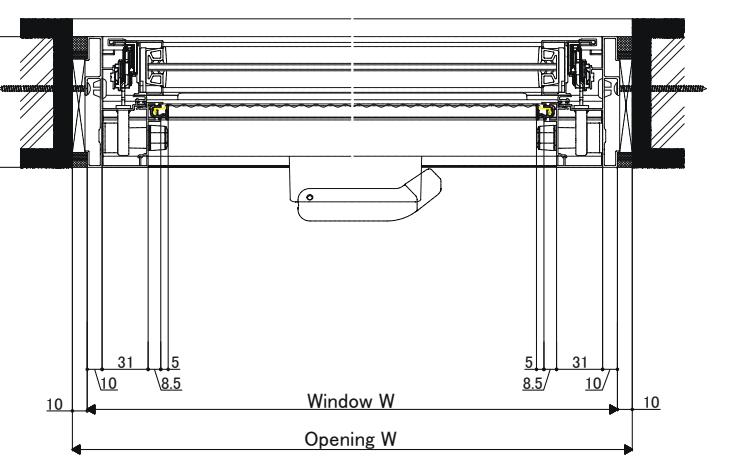
<Vertical section: Awning operator window>



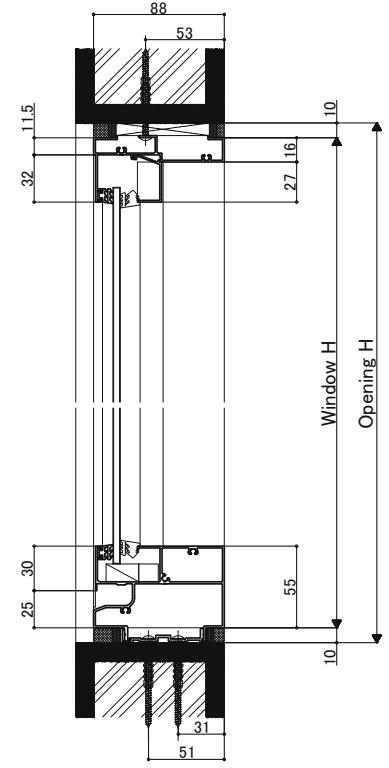
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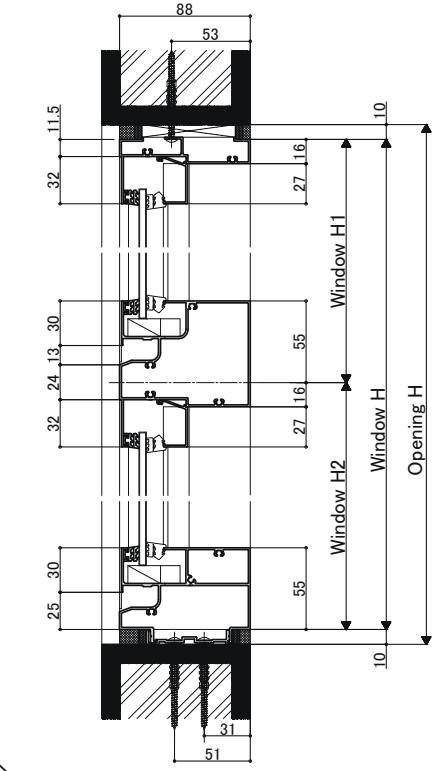
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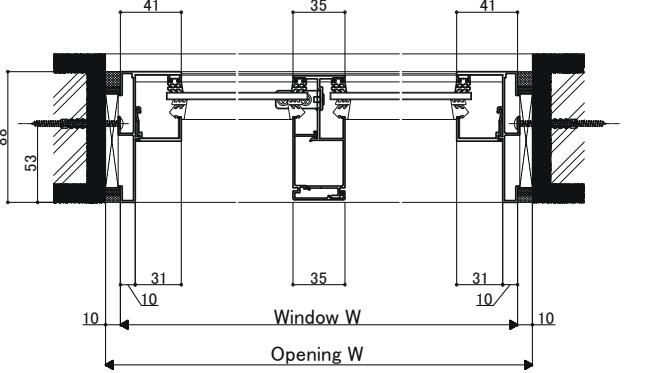
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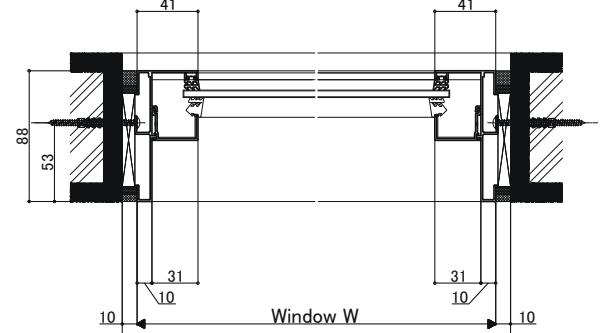
<Vertical section: Single and corner fixed window>



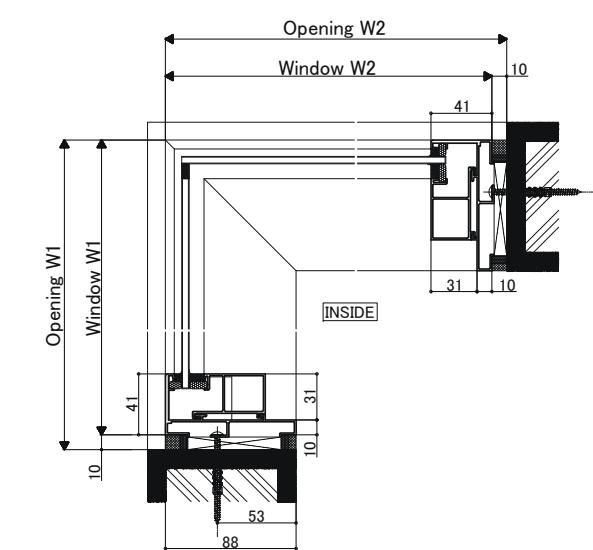
<Vertical section: Fixed window with transom>



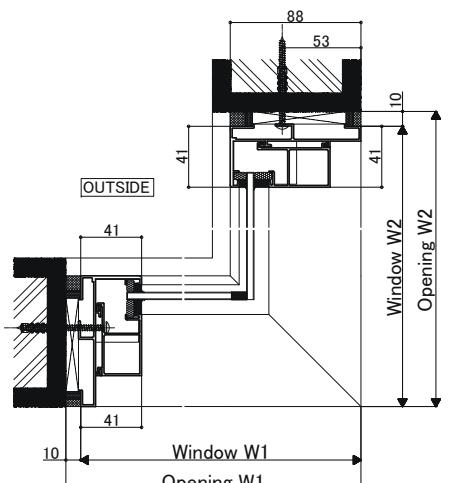
<Horizontal section: Fixed window with mullion>



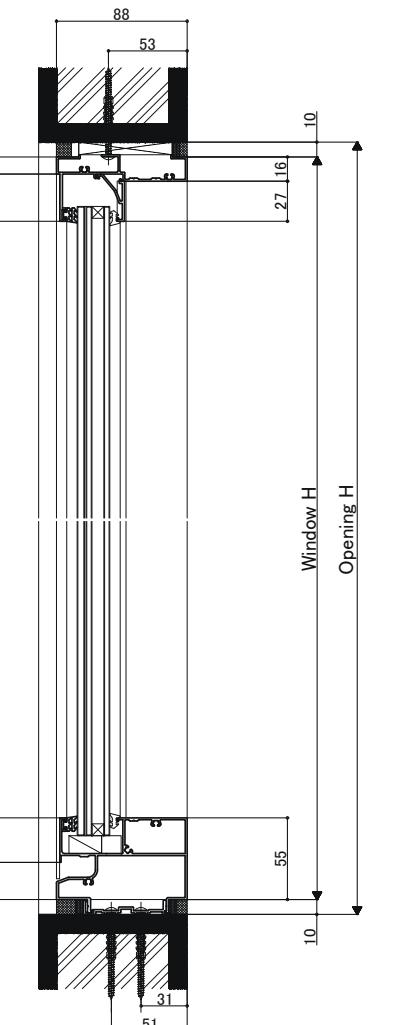
<Horizontal section: Single fixed window>



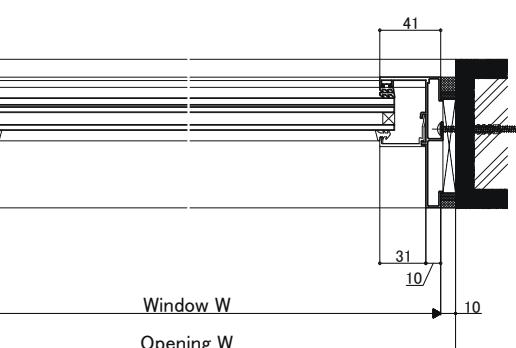
<Horizontal section: Outward fixed window>



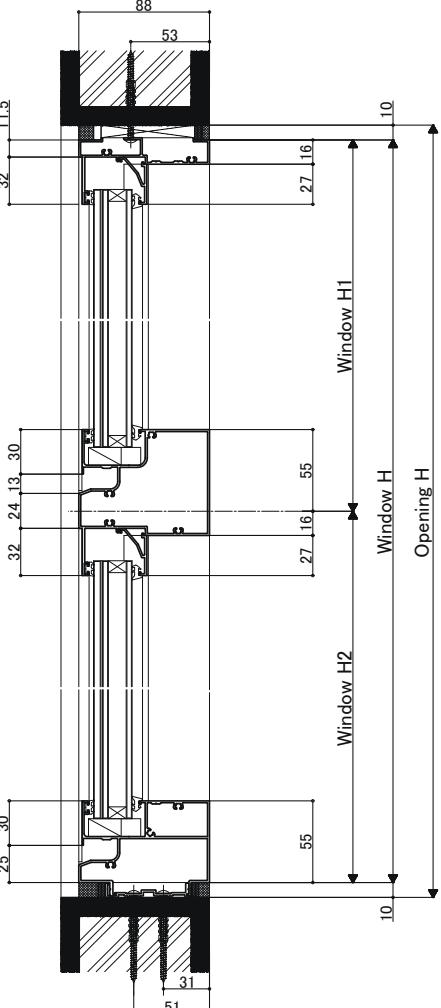
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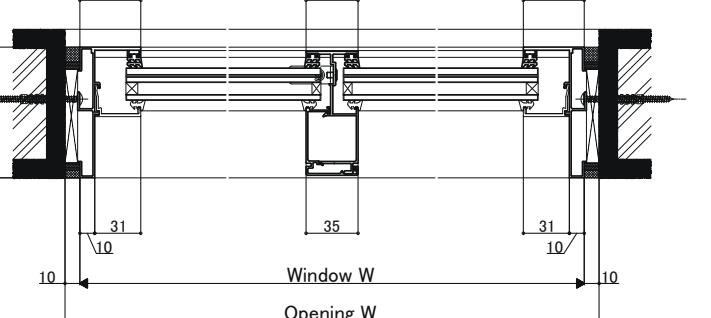
<Vertical section: Single fixed window(IG unit)>



<Horizontal section: Single fixed window(IG unit)>

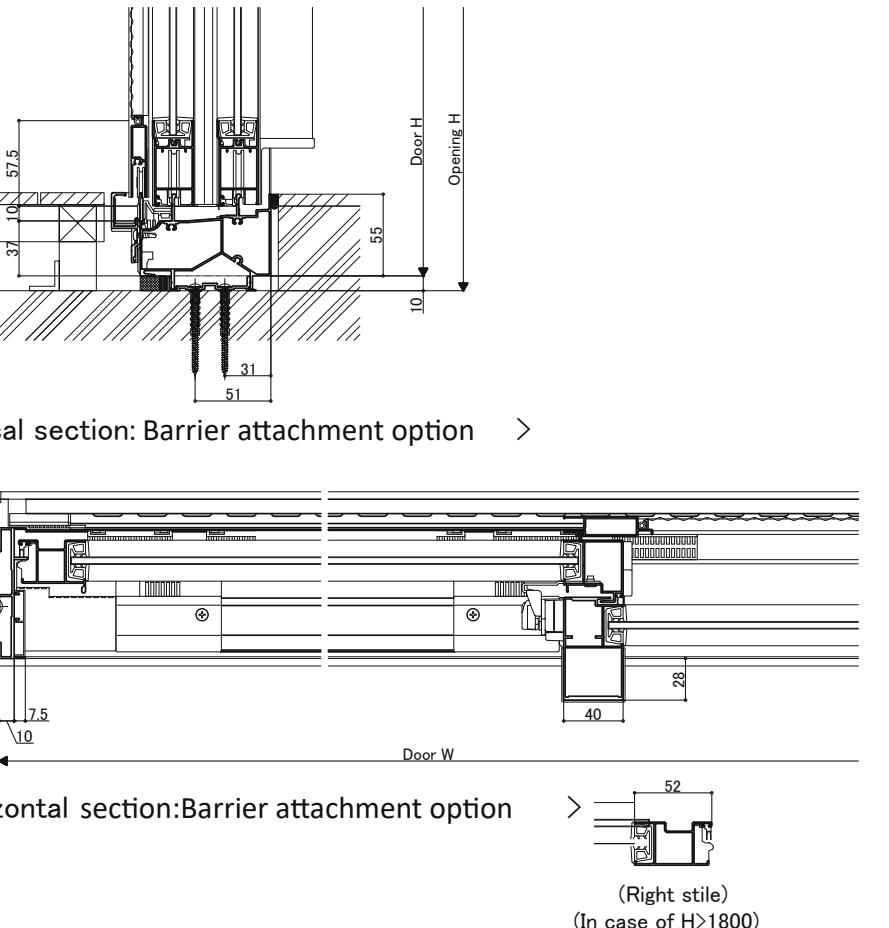
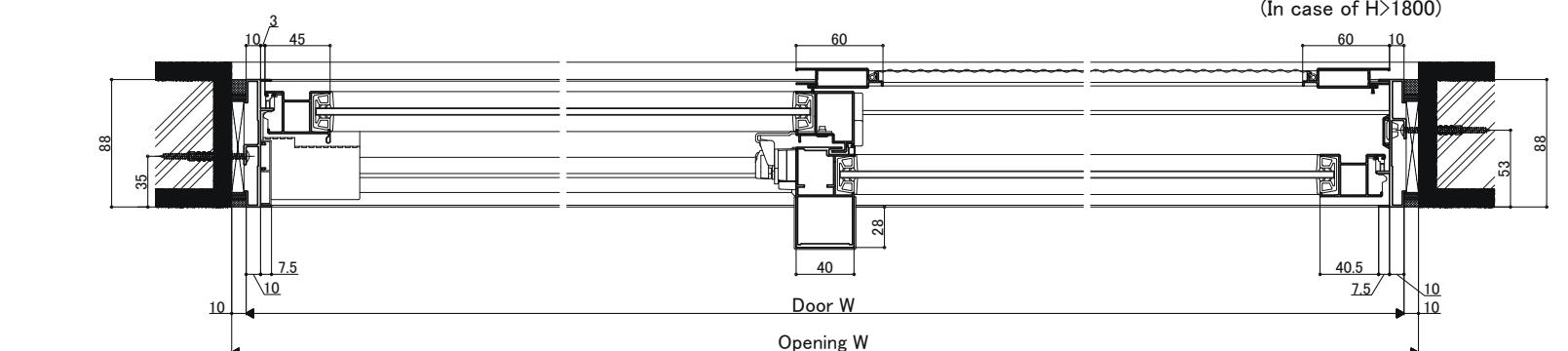
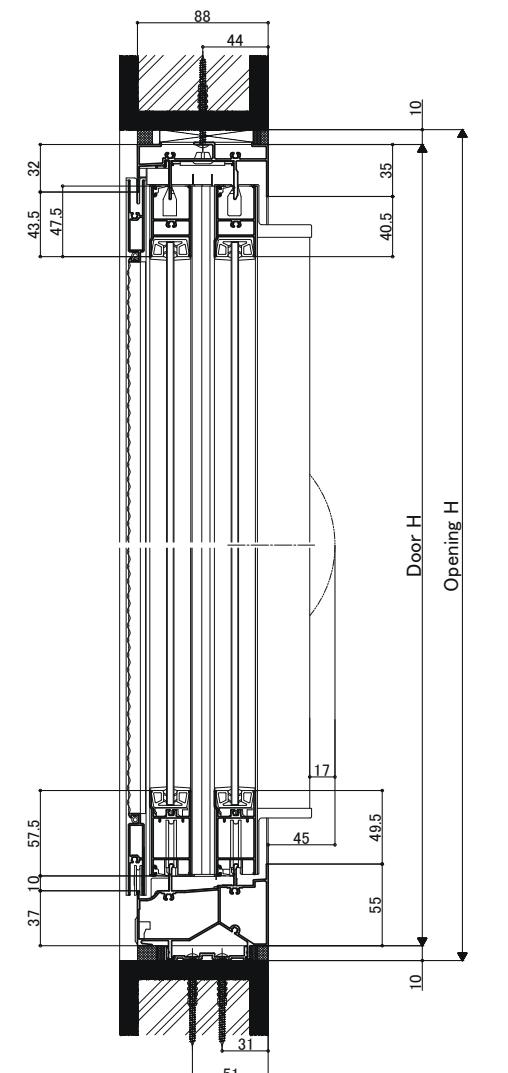
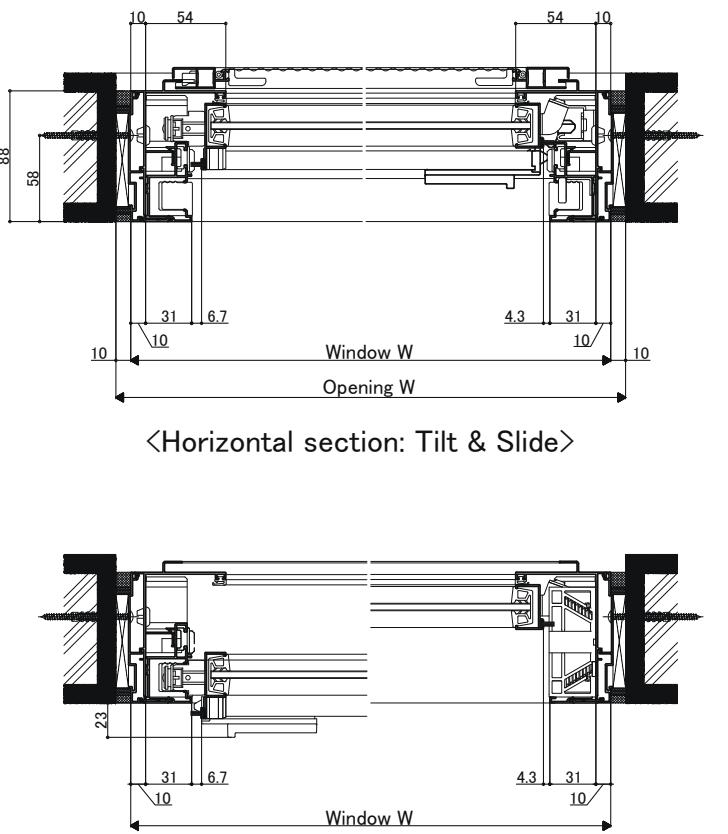
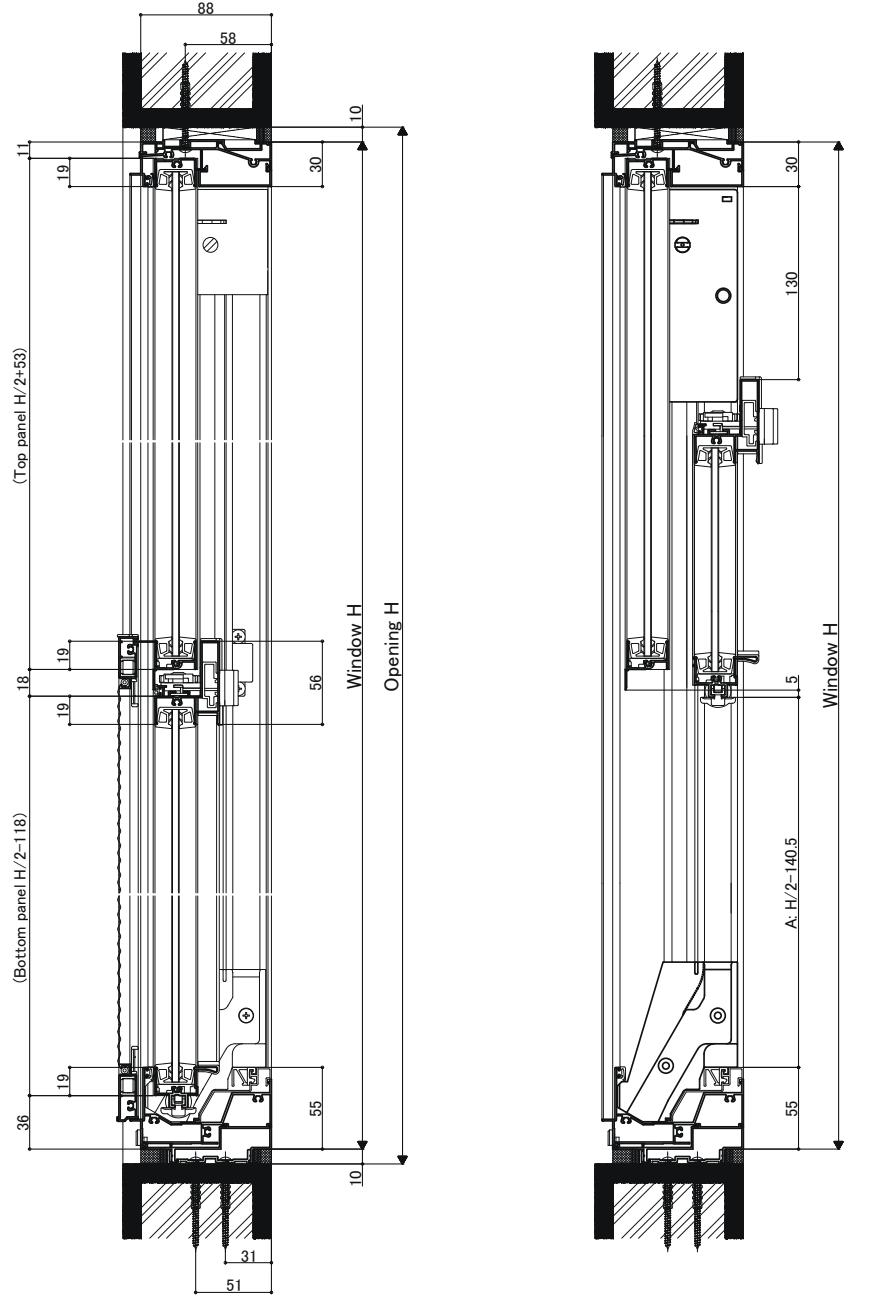


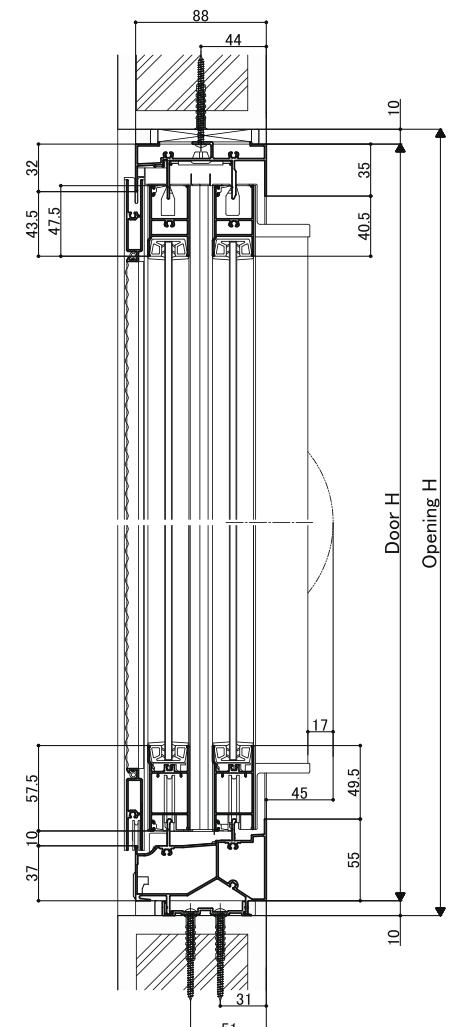
<Vertical section:Fixed window with transom (IG unit)>



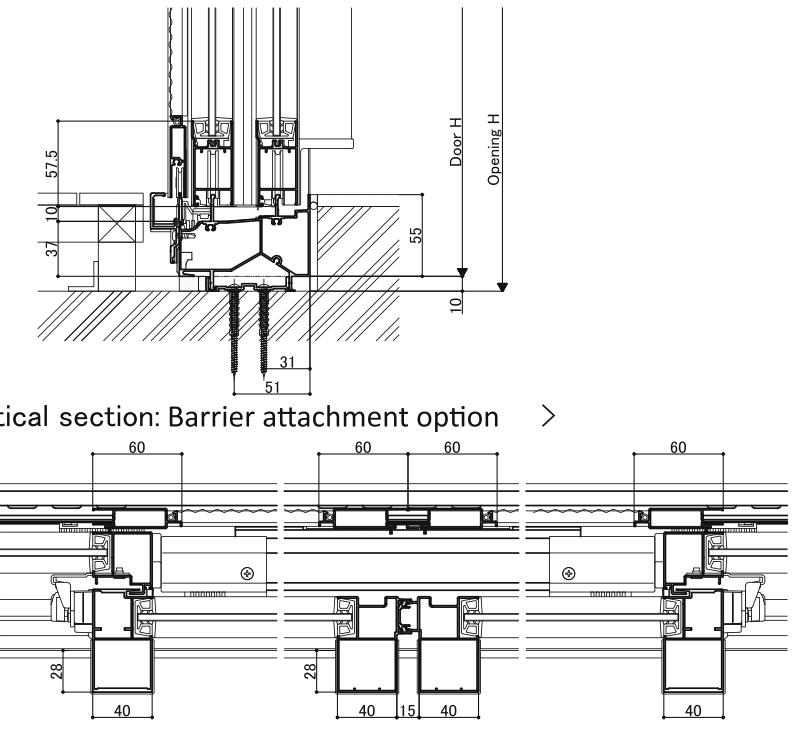
<Horizontal section:Fixed window with mullion(IG unit)>

ATIS DOOR SERIES

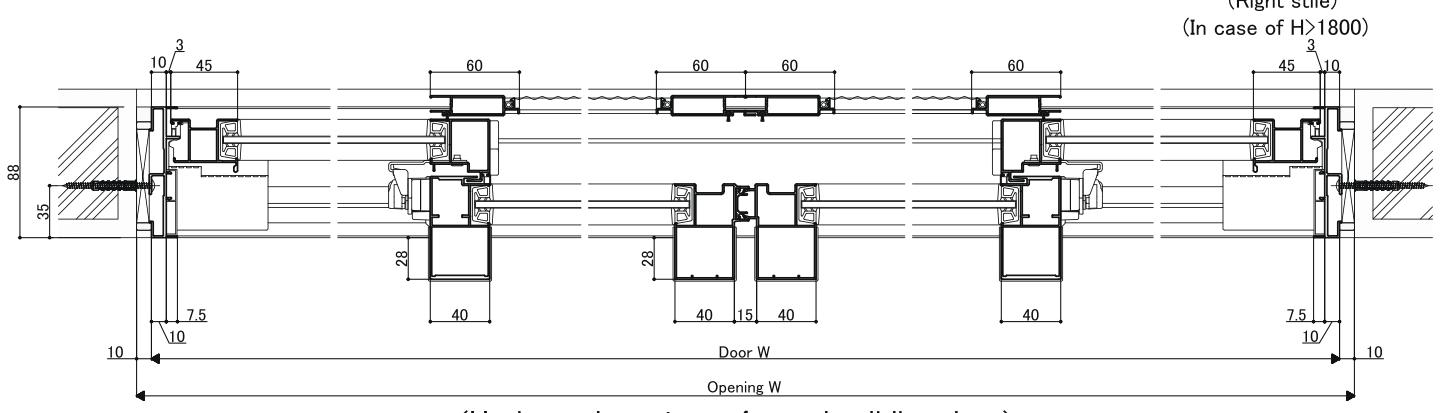




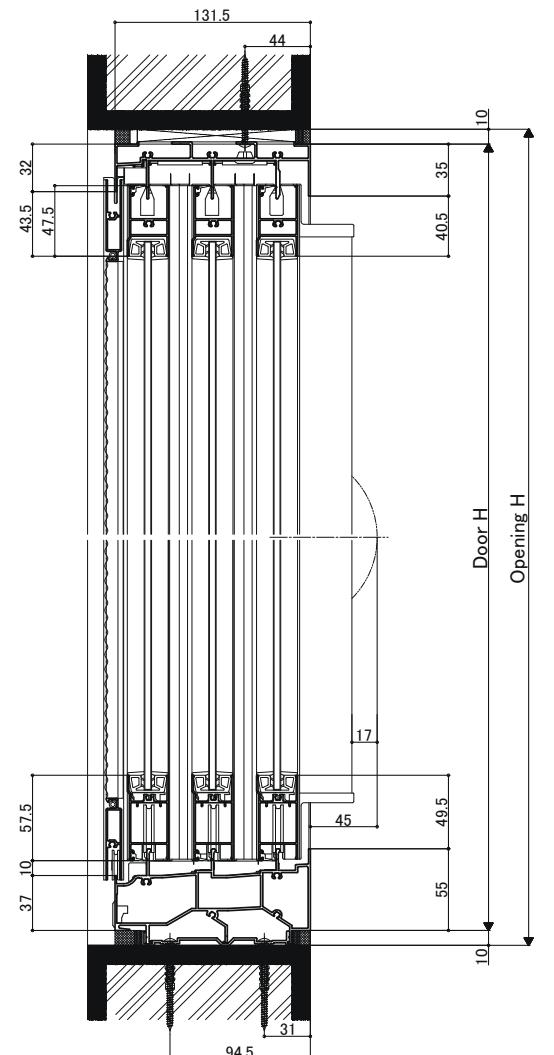
<Vertical section: 4 panels sliding door>



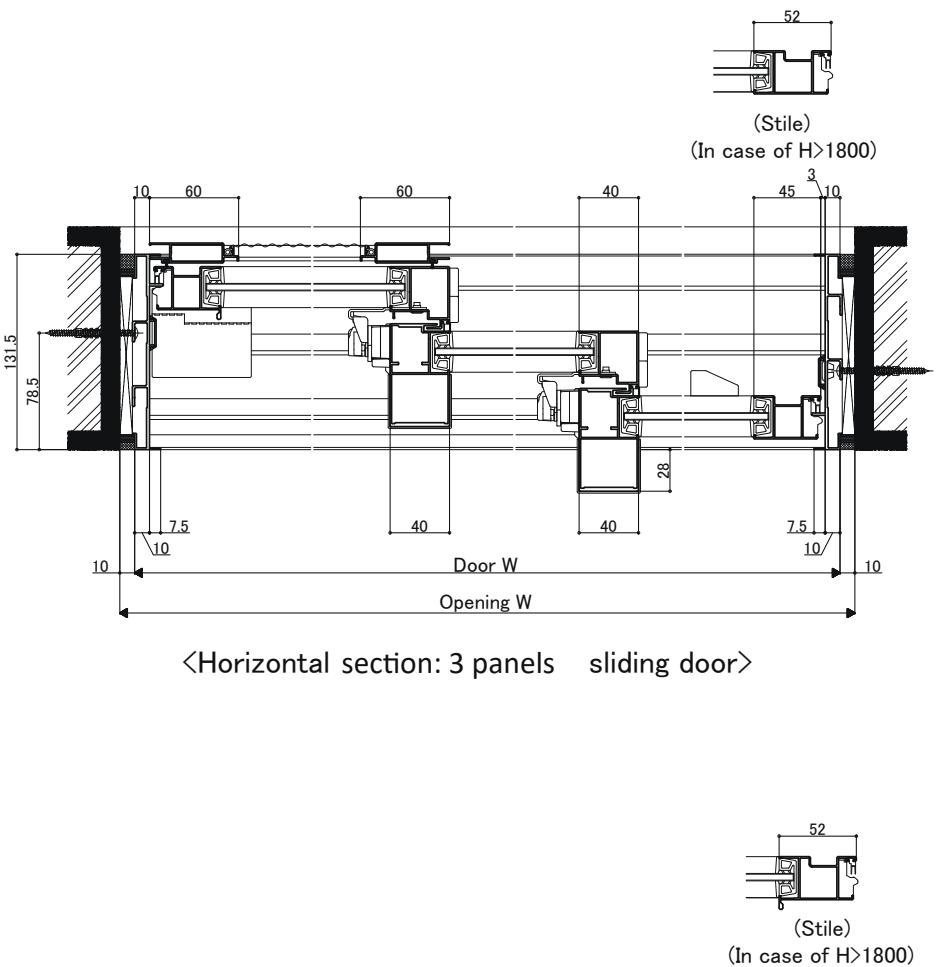
<Horizontal section: Barrier attachment option >



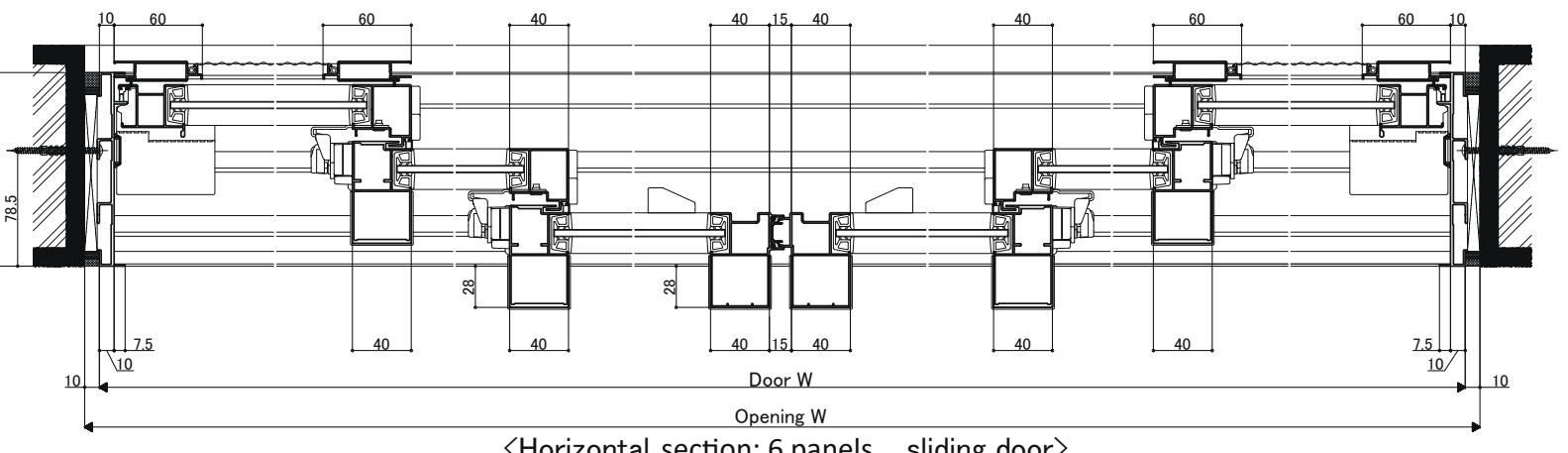
<Horizontal section: 4 panels sliding door>



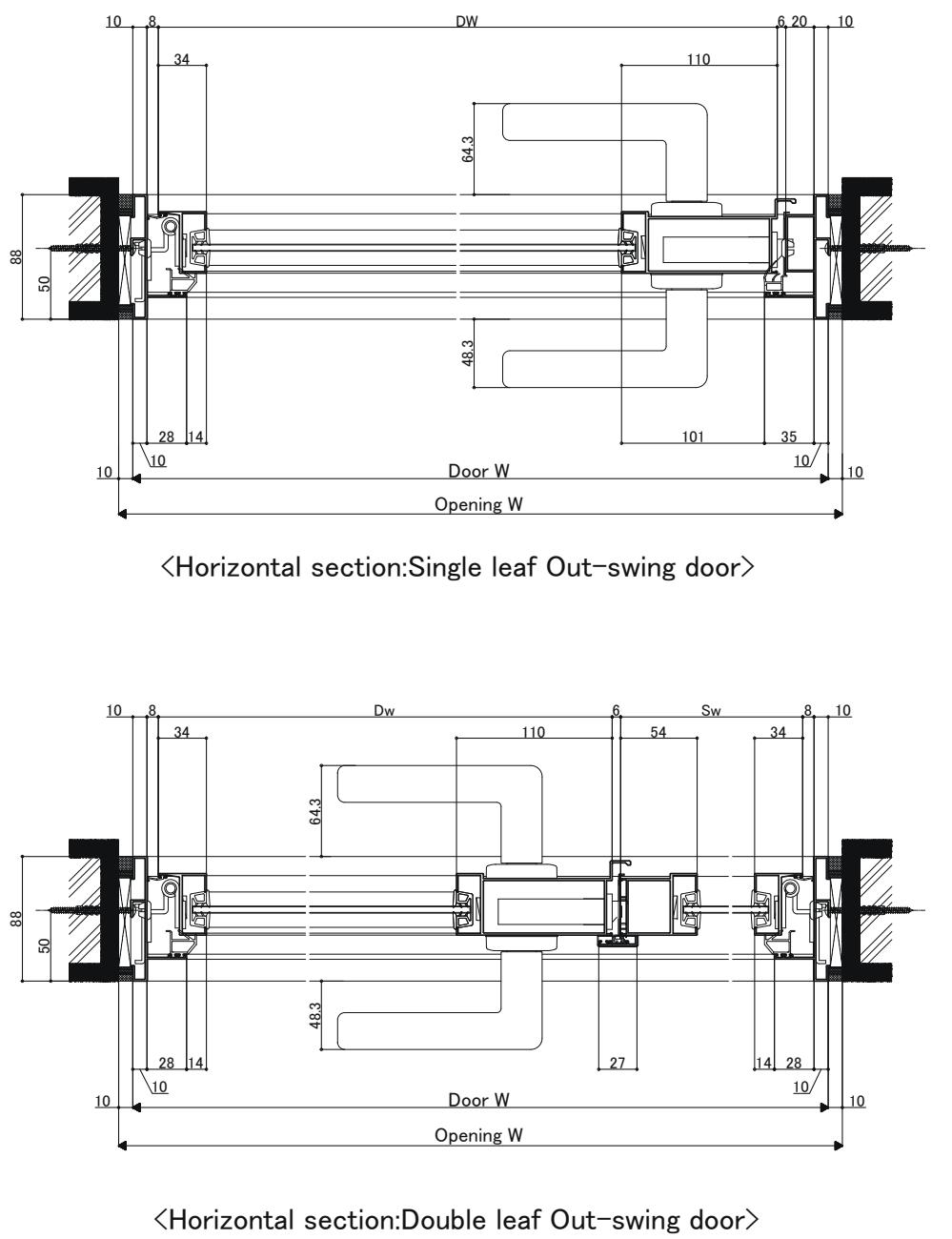
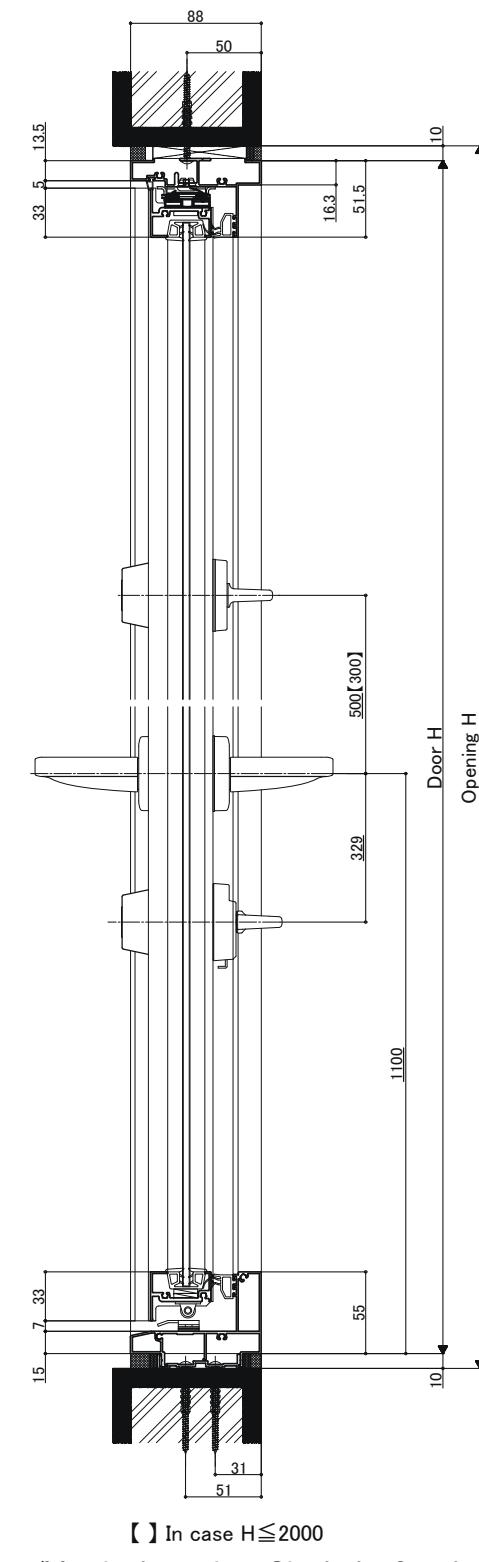
<Vertical section: 3 and 6 panels sliding door>



(Stile)
(In case of H>1800)

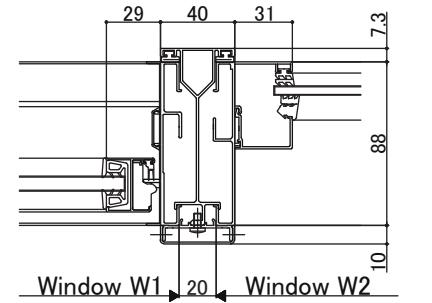


<Horizontal section: 6 panels sliding door>

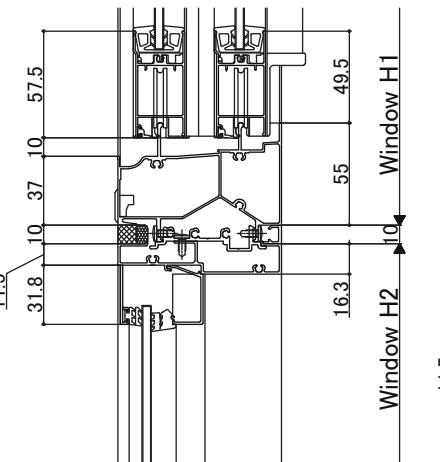


ATIS COMBINATION

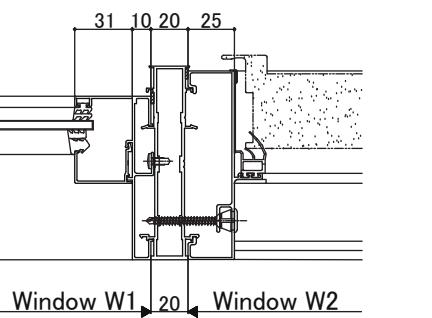
Mullion 180° A Type



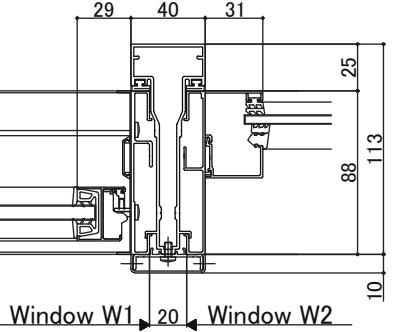
Transom A (88 mm.)



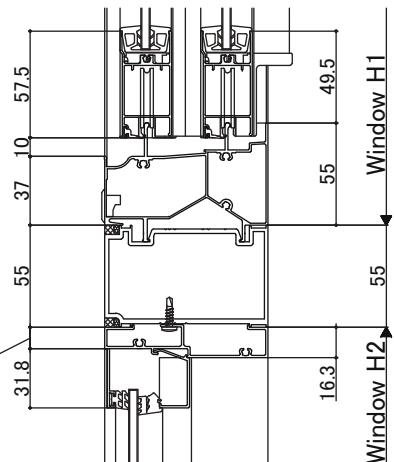
Mullion 180°(101mm.)



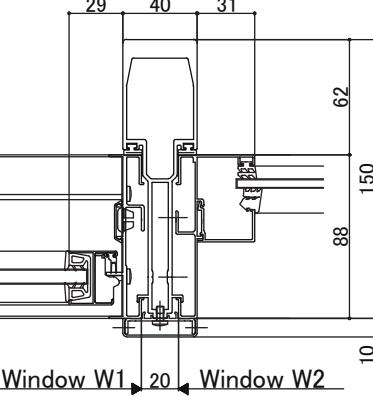
Mullion 180° B Type



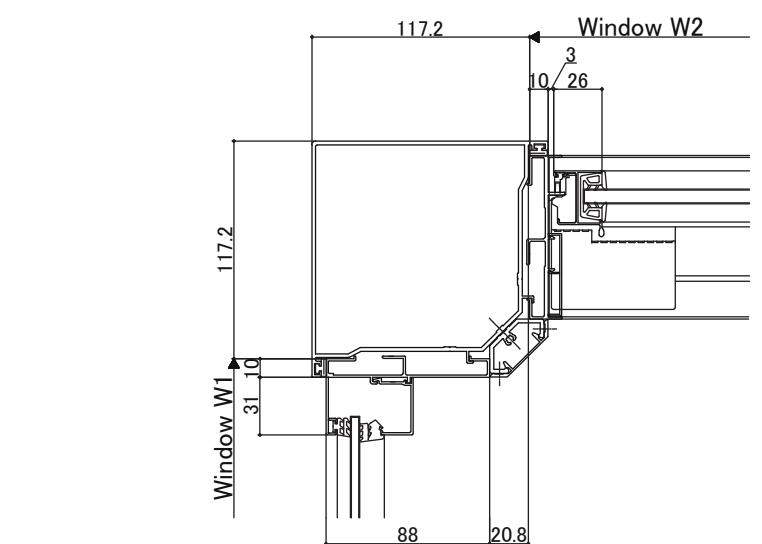
Reinforcement Transom



Mullion 180° C Type



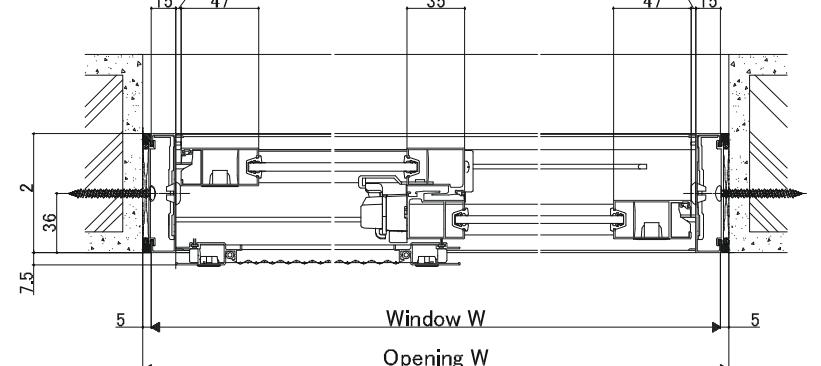
<Horizontal section: Mullion180° for WE combination>



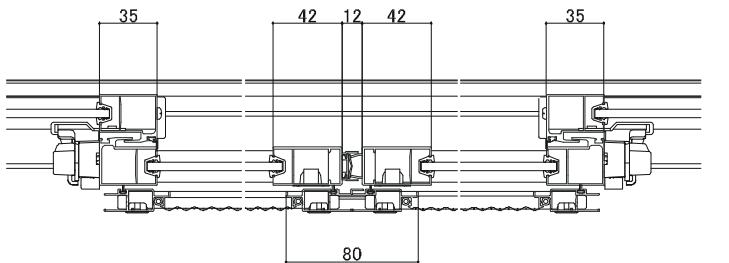
<Horizontal section: Mullion 90° combination>

<Horizontal section: Mullion180° & Vertical section Transom for GIESTA combination>

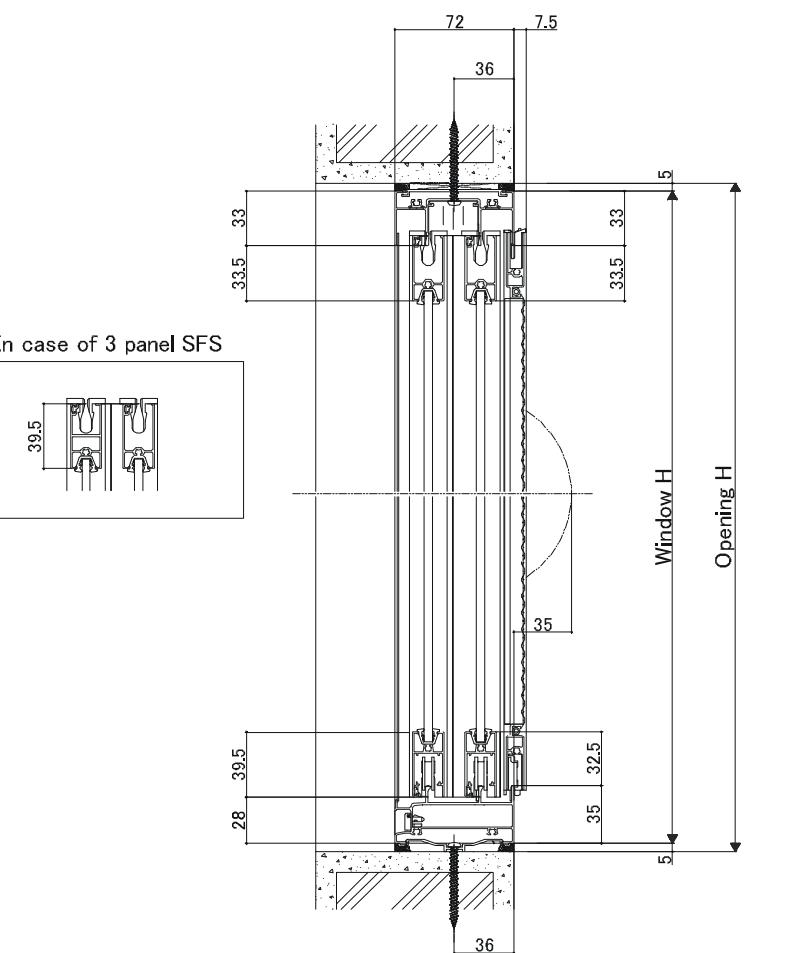
WE 70 WINDOW SERIES



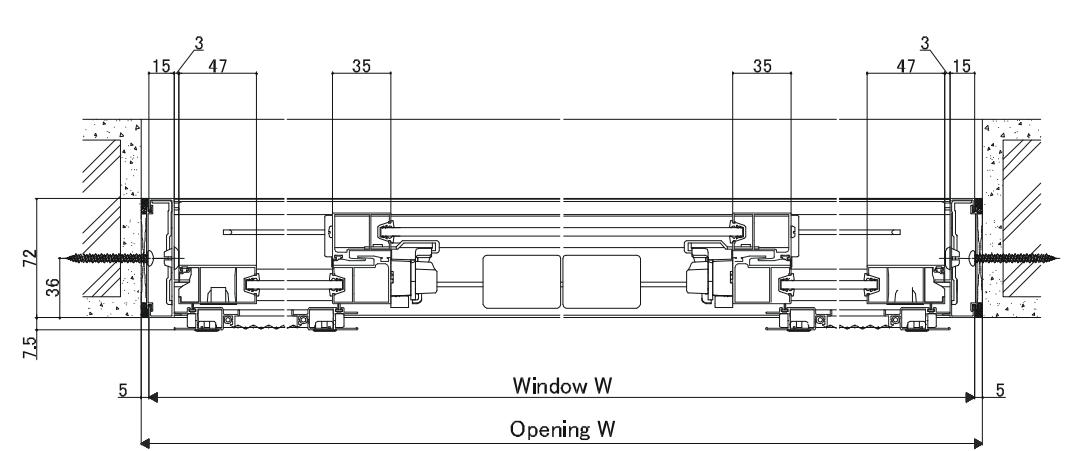
< Horizontal section: 2 panels sliding window >



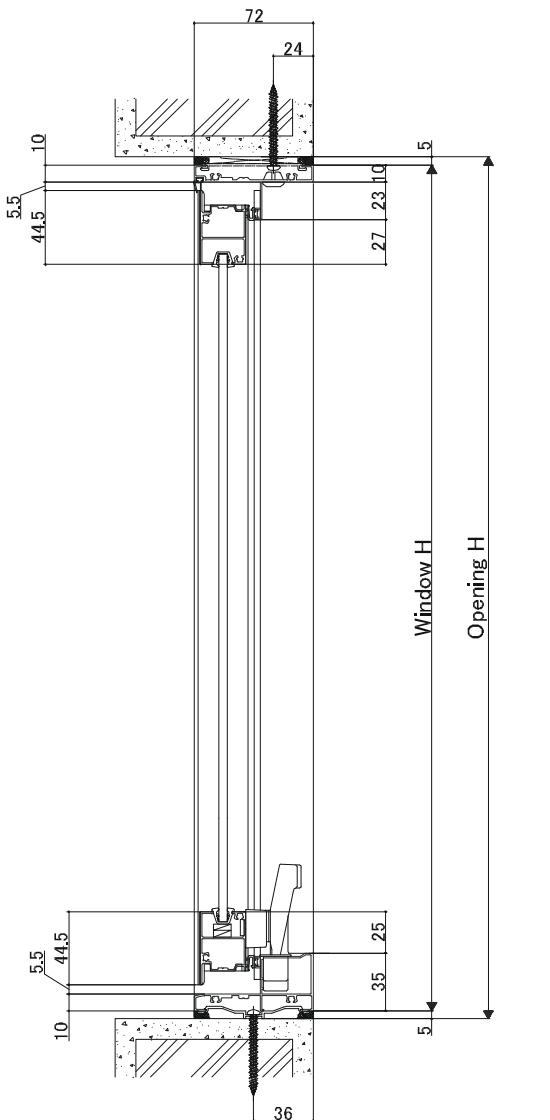
< Horizontal section: 4 panels sliding window >



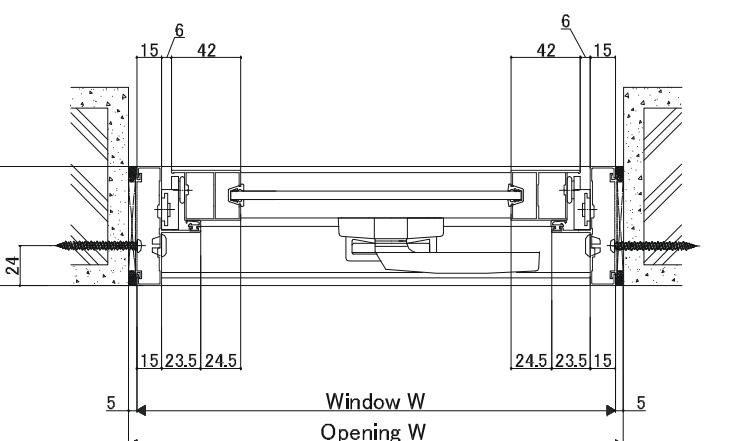
< Vertical section: 2, 4 and SFS 3 panels sliding window >



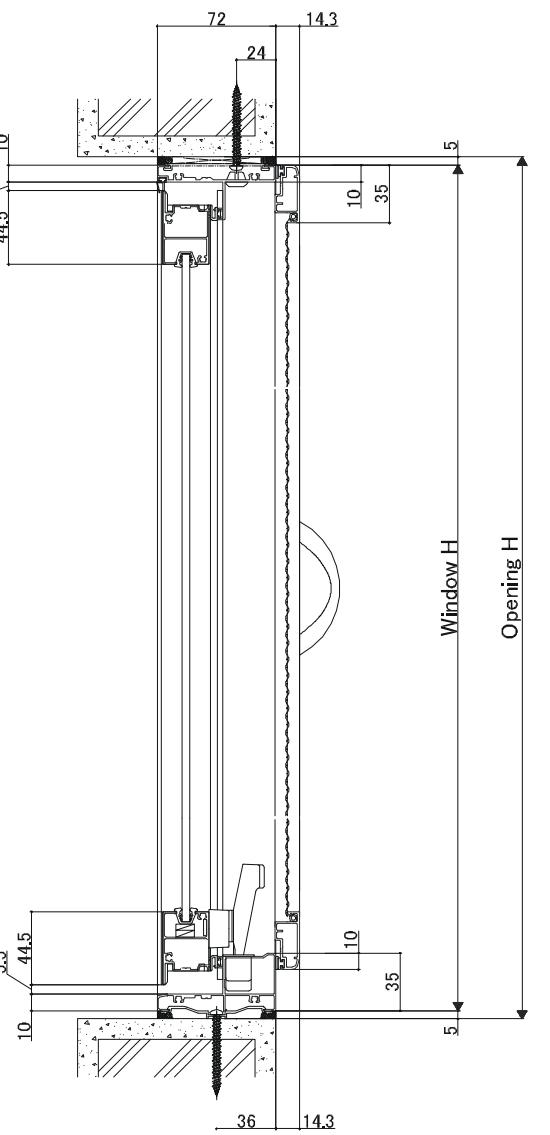
< Horizontal section: SFS 3 panels sliding window >



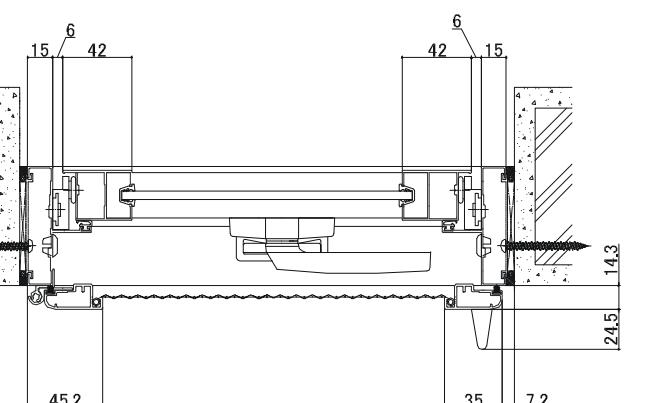
< Vertical section: Awning window >



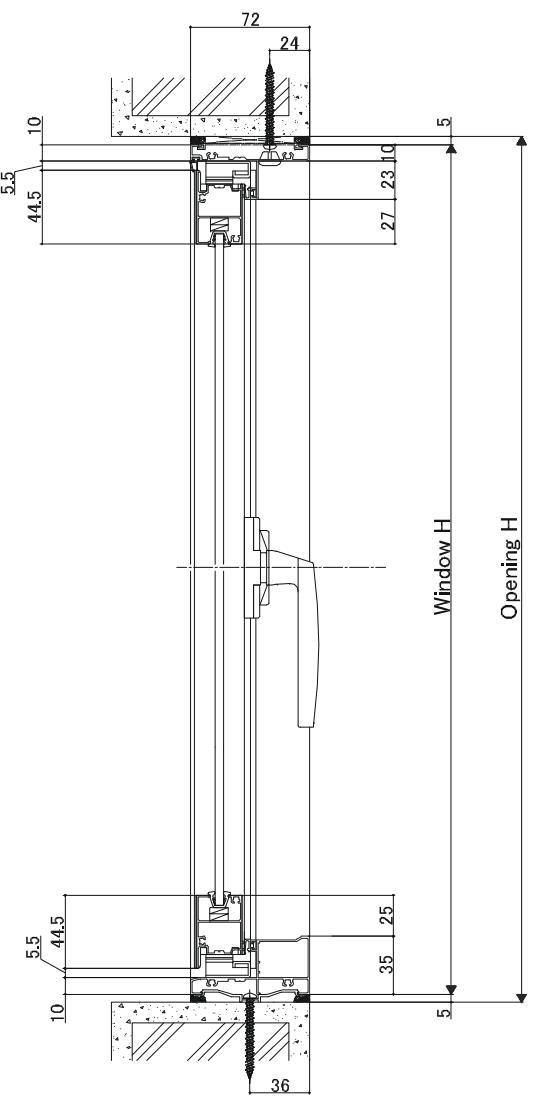
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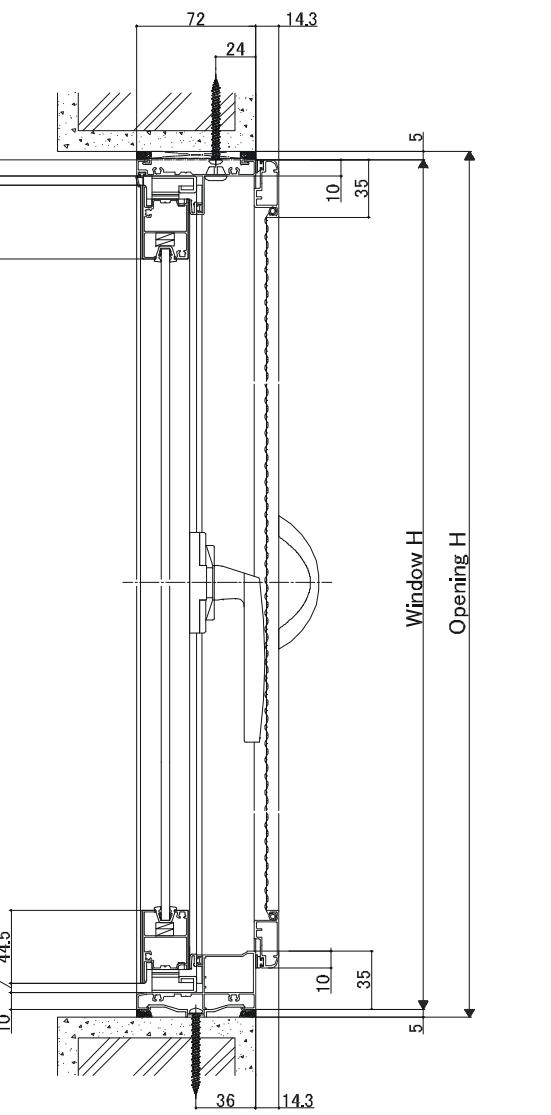
< Vertical section: Awning with screen >



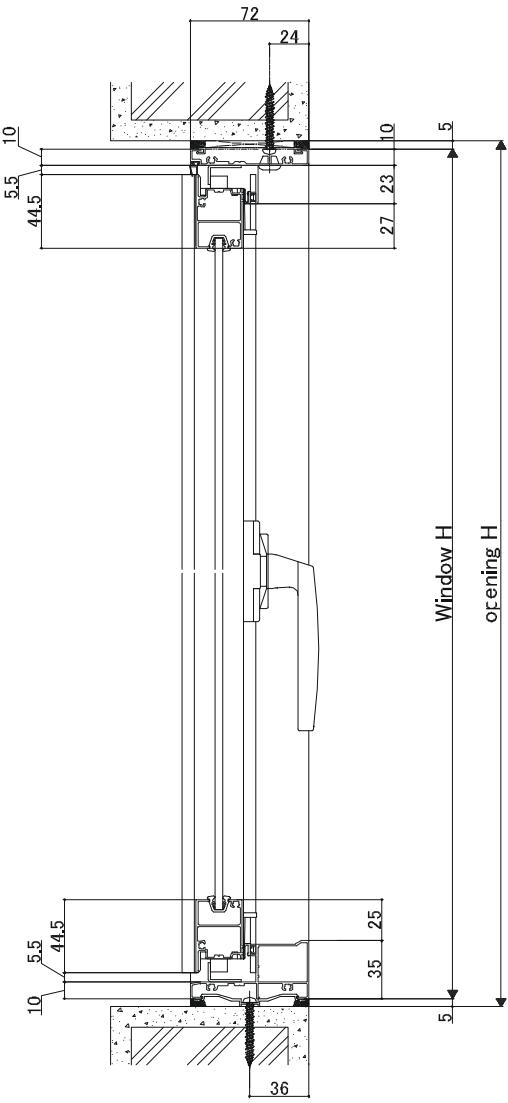
< Horizontal section: Awning with screen >



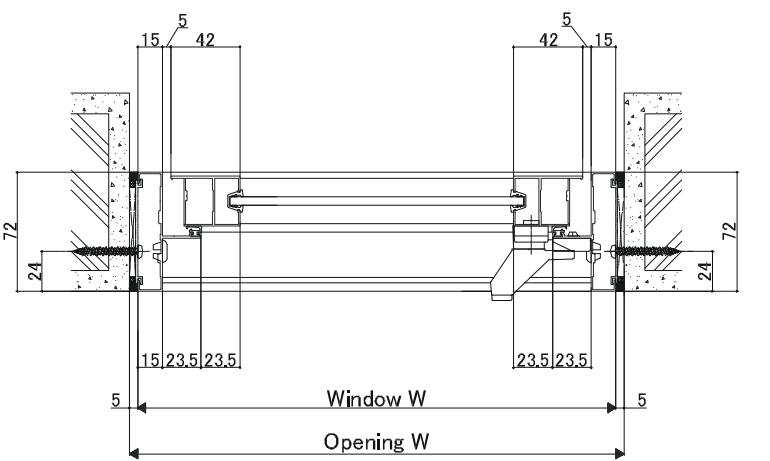
< Vertical section: Casement window >



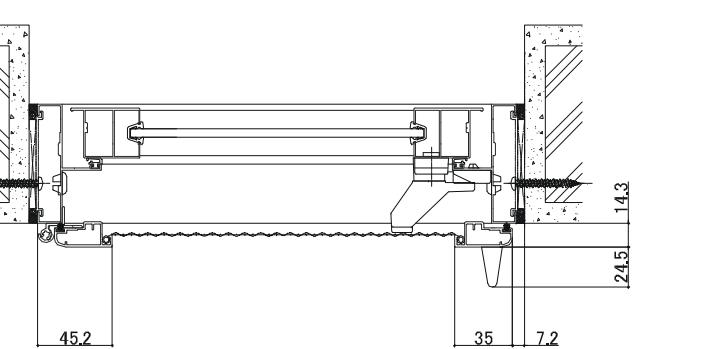
< Vertical section: Casement with screen >



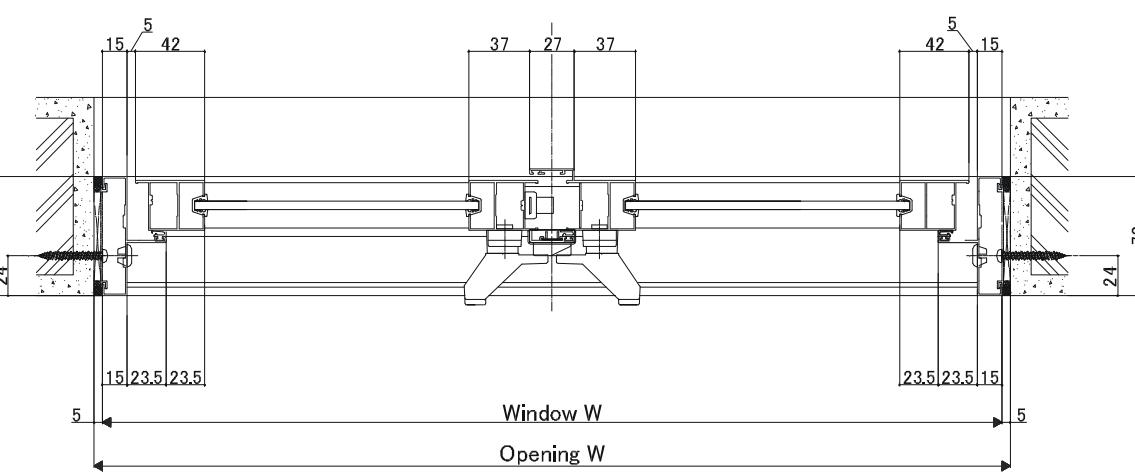
< Vertical section: Double casement window >



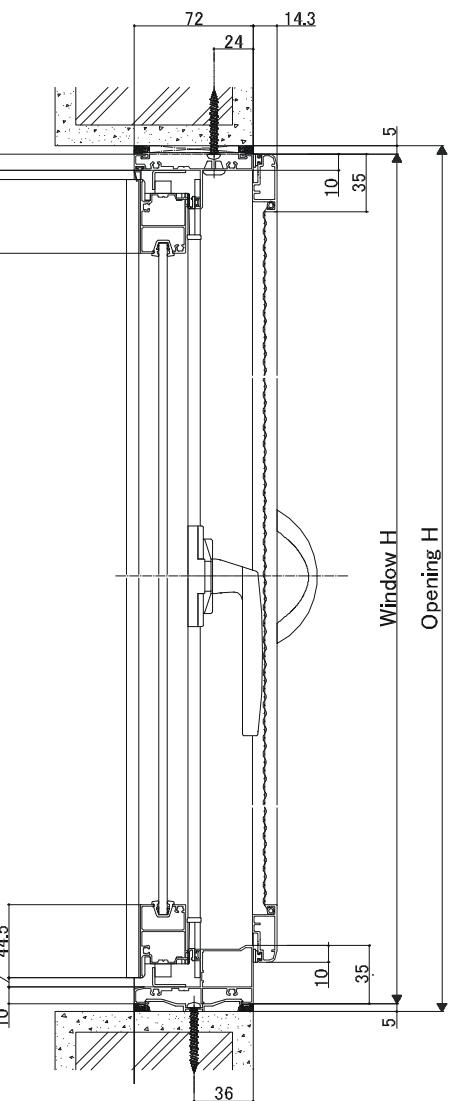
< Horizontal section: Casement window >



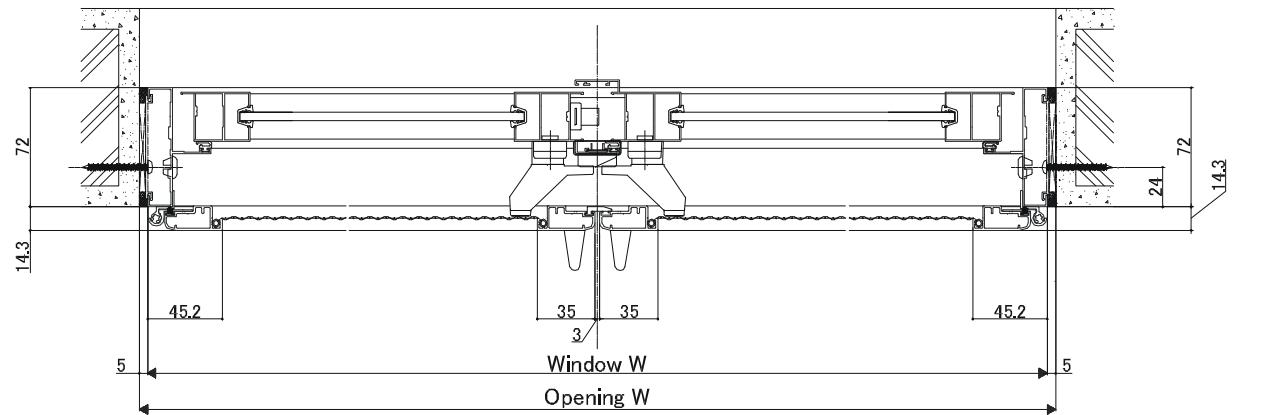
< Horizontal section: Casement with screen >



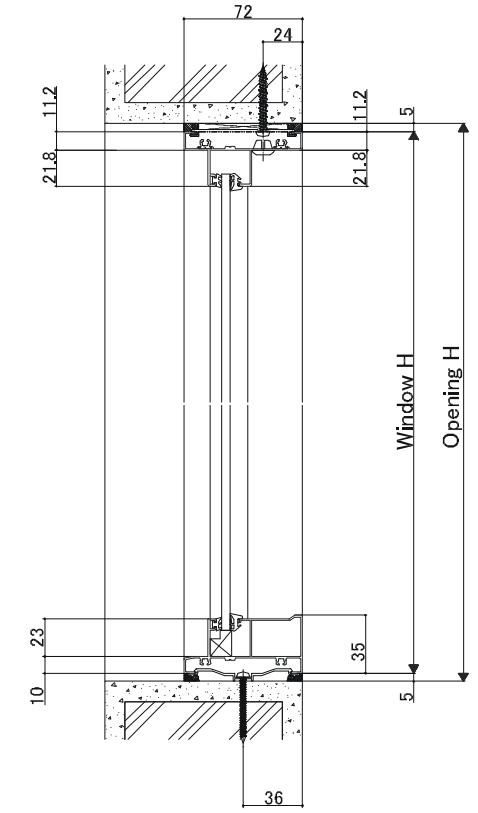
< Horizontal section: Double casement window >



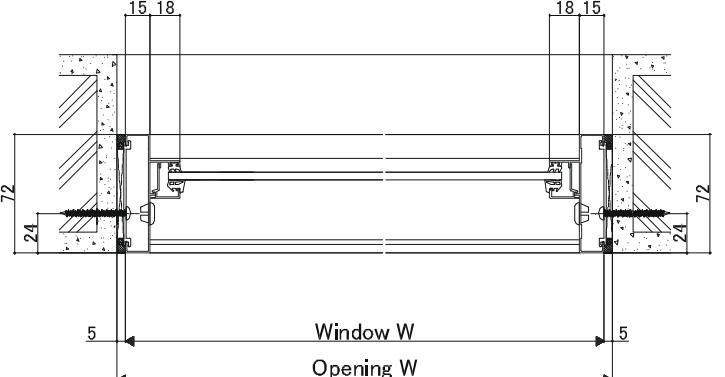
< Vertical section: Single and corner fixed window >



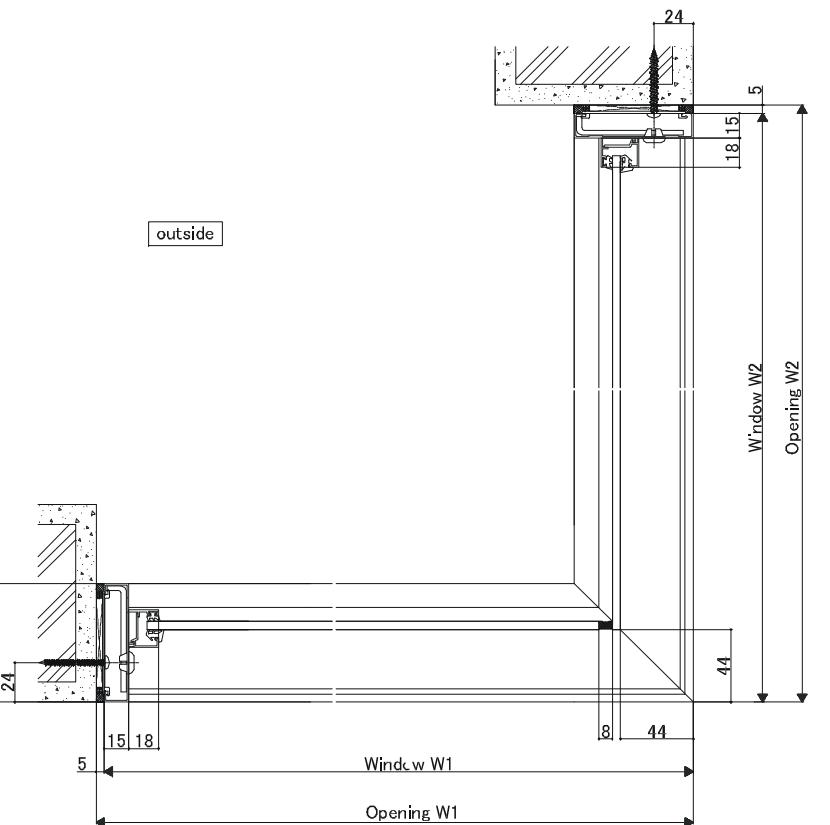
< Horizontal section: Double Casement with screen >



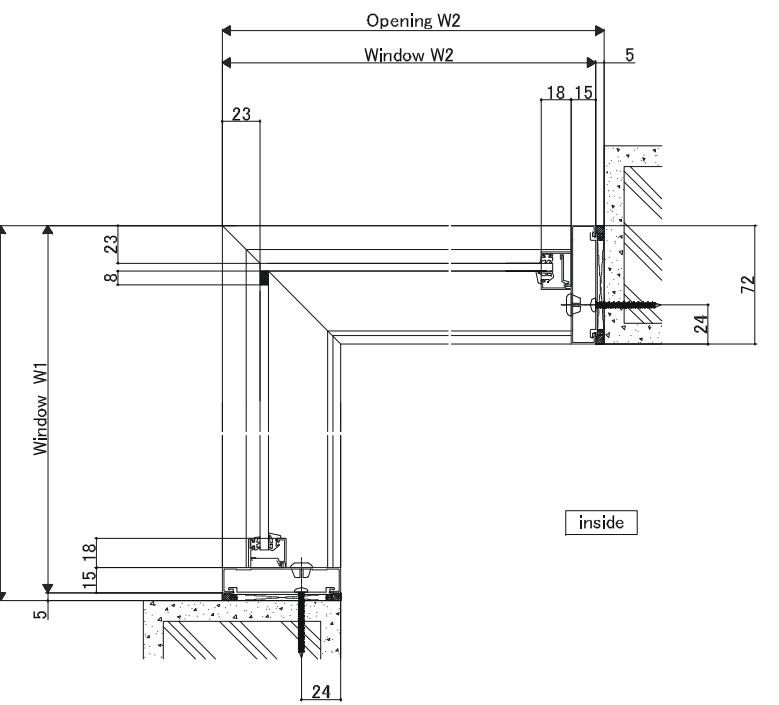
< Vertical section: Double Casement with screen >



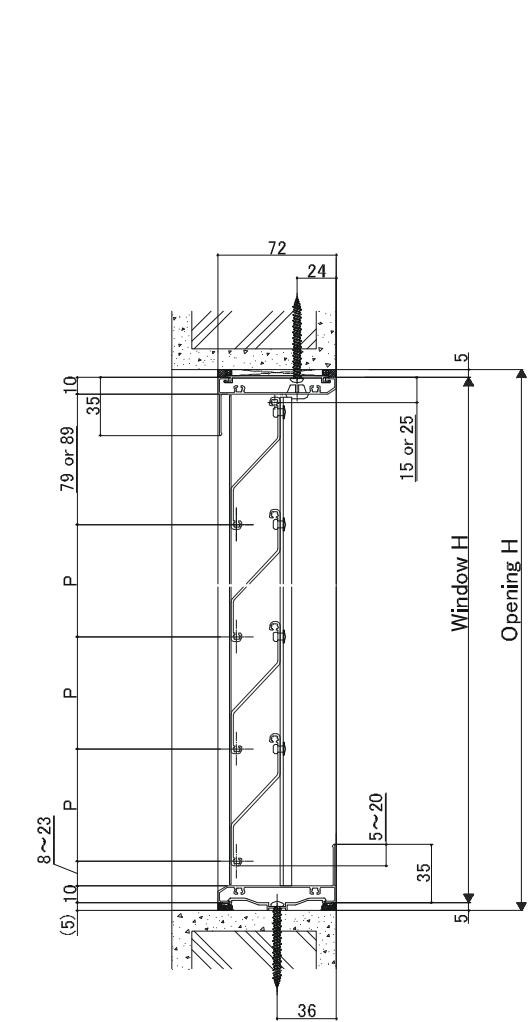
< Horizontal section: Single fixed window >



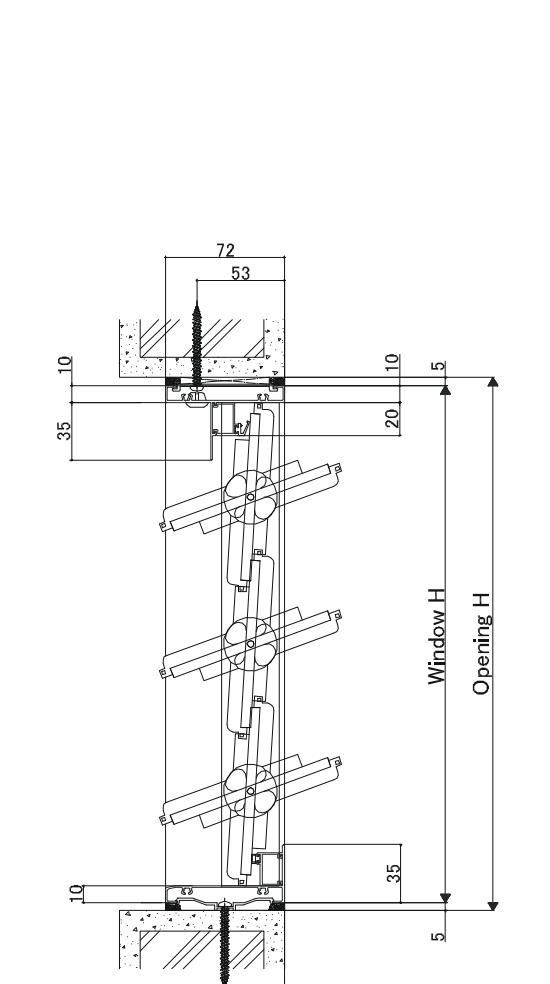
< Horizontal section: Inward fixed window >



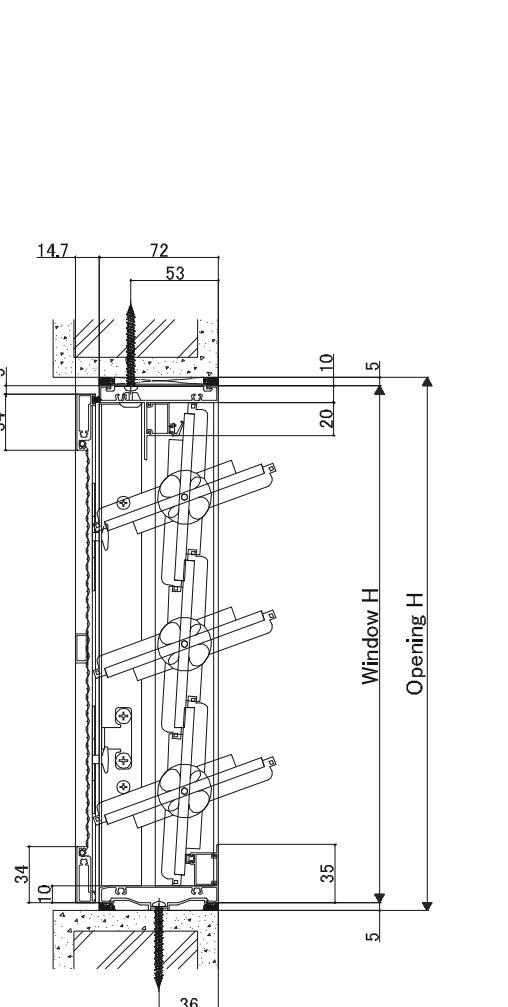
< Horizontal section: Outward fixed window >



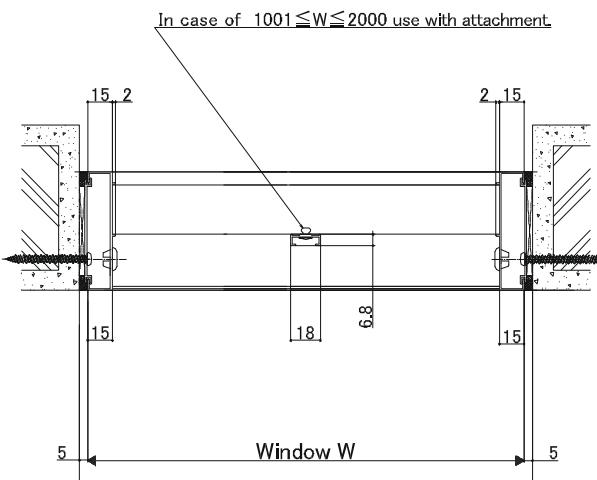
< Vertical section: Aluminum louver >



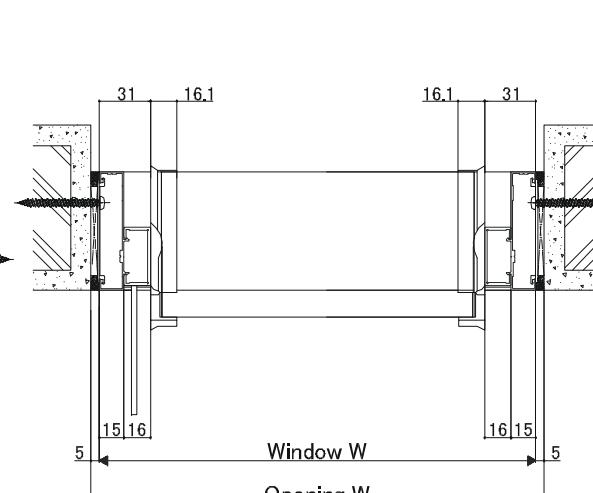
< Vertical section: Glass louver >



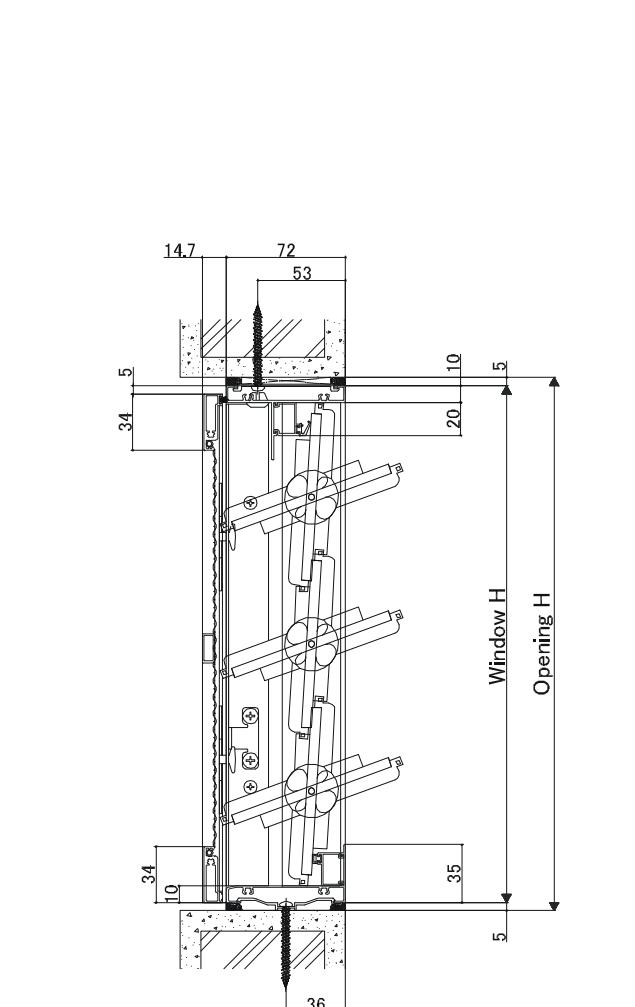
< Vertical section: Glass louver >
(with screen)



< Horizontal section: Aluminum louver >

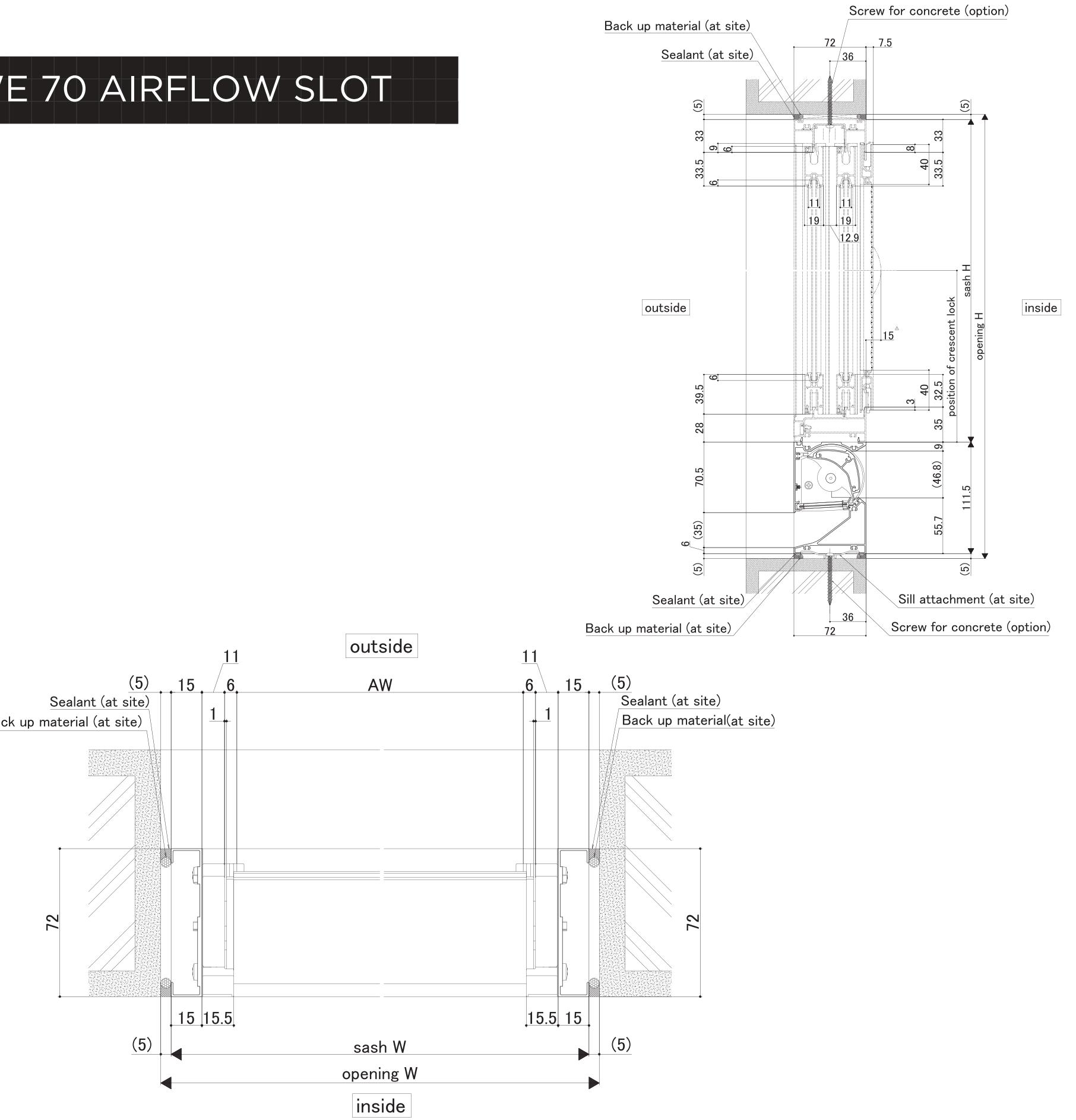


< Horizontal section: Glass louver >

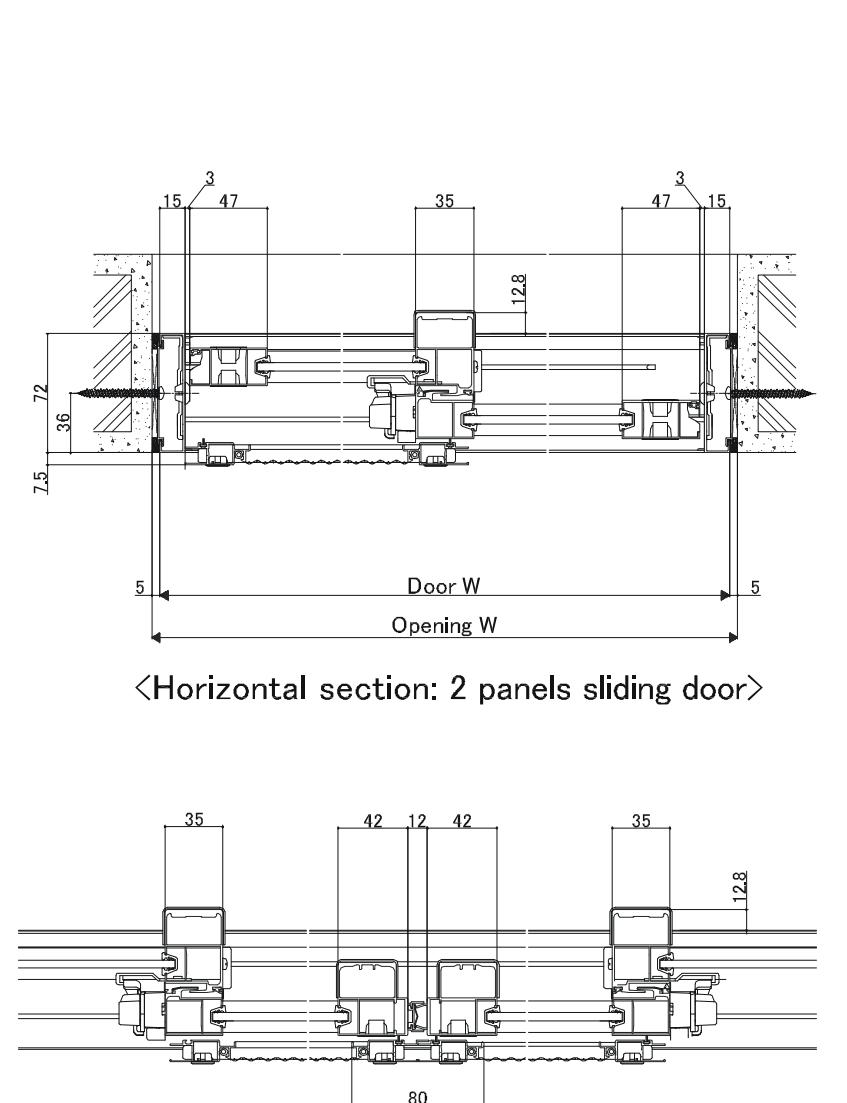
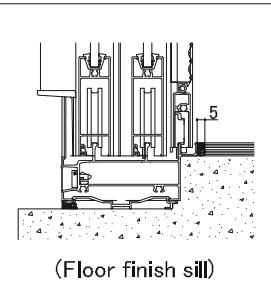
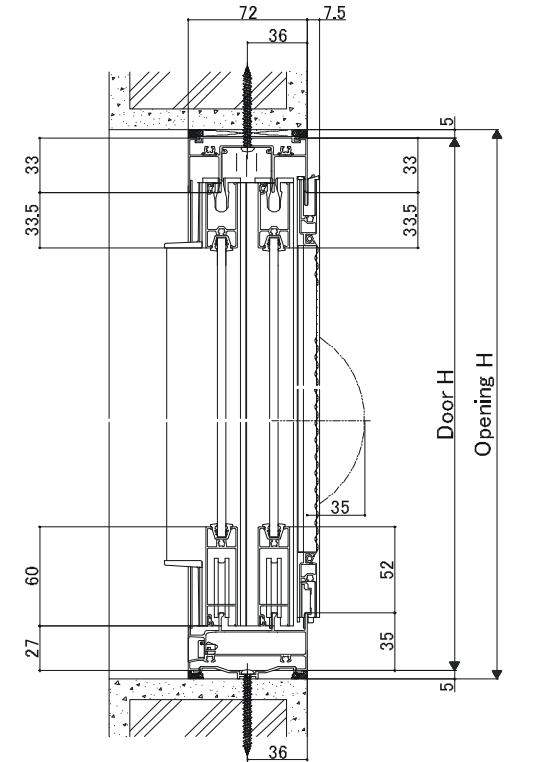
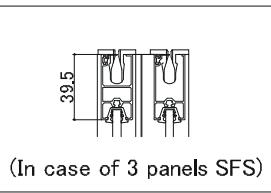


< Horizontal section: Glass louver >
(with screen)

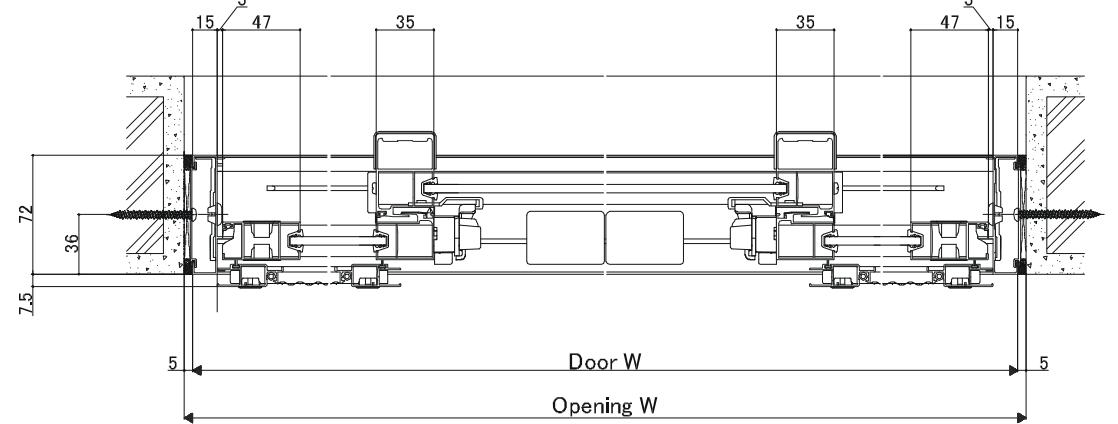
WE 70 AIRFLOW SLOT



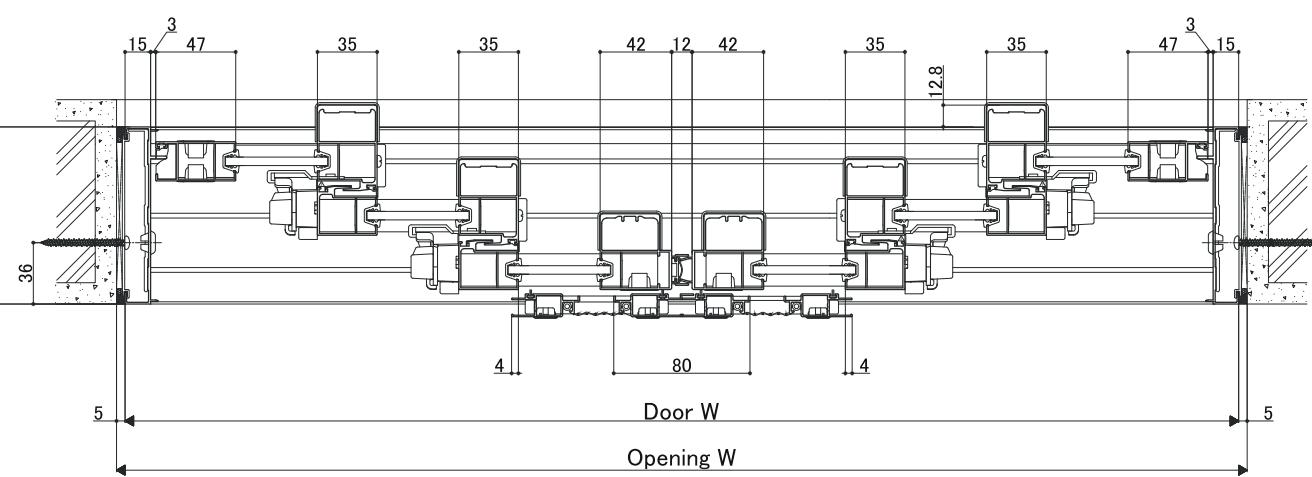
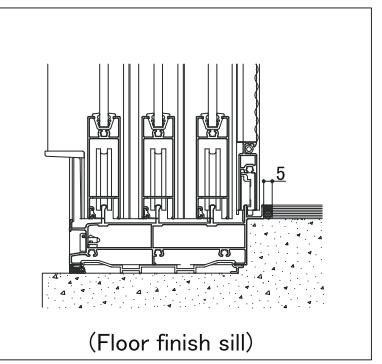
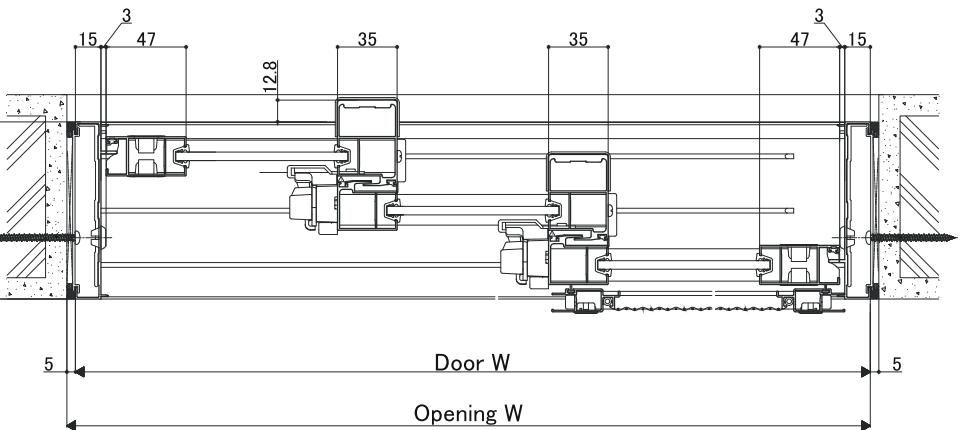
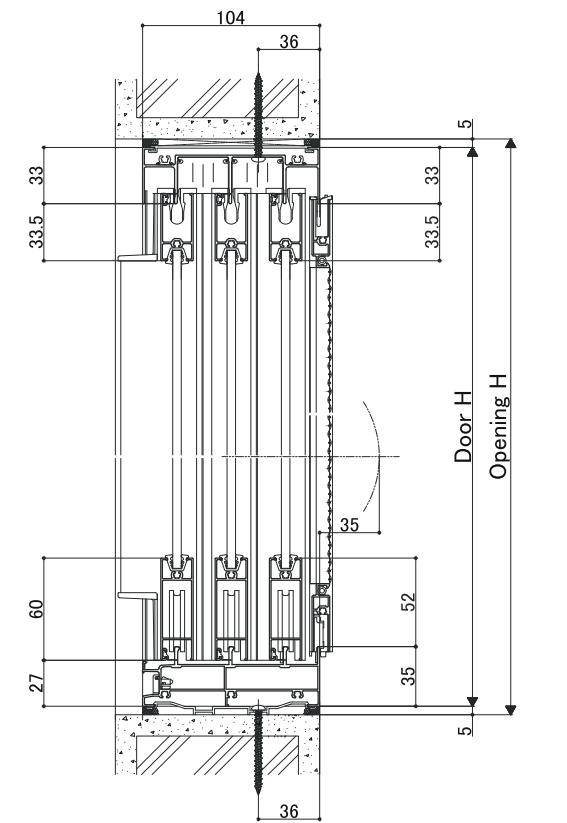
WE 70 DOOR SERIES

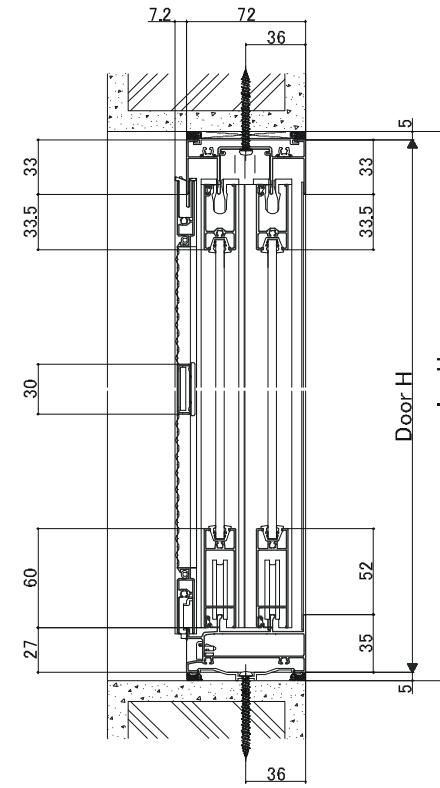


< Horizontal section: 4 panels sliding door >

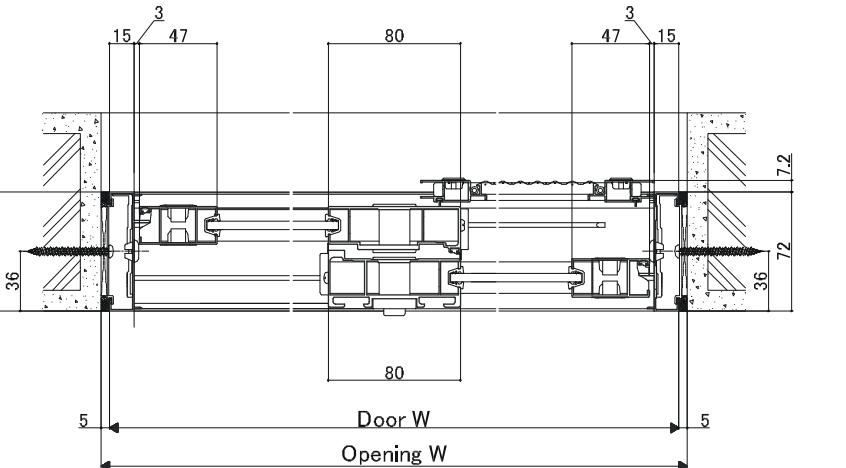


< Horizontal section: SFS 3 panels sliding door >

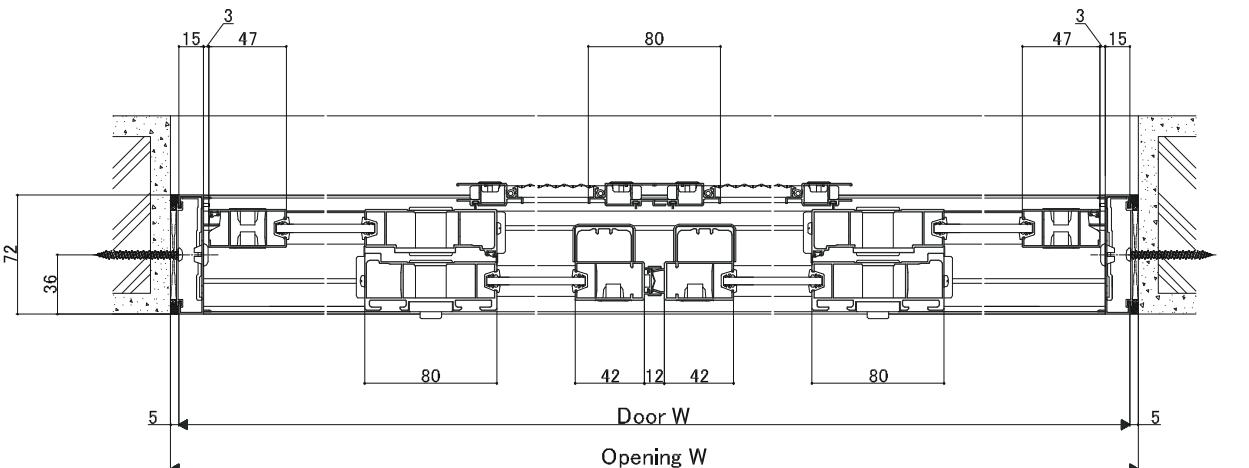




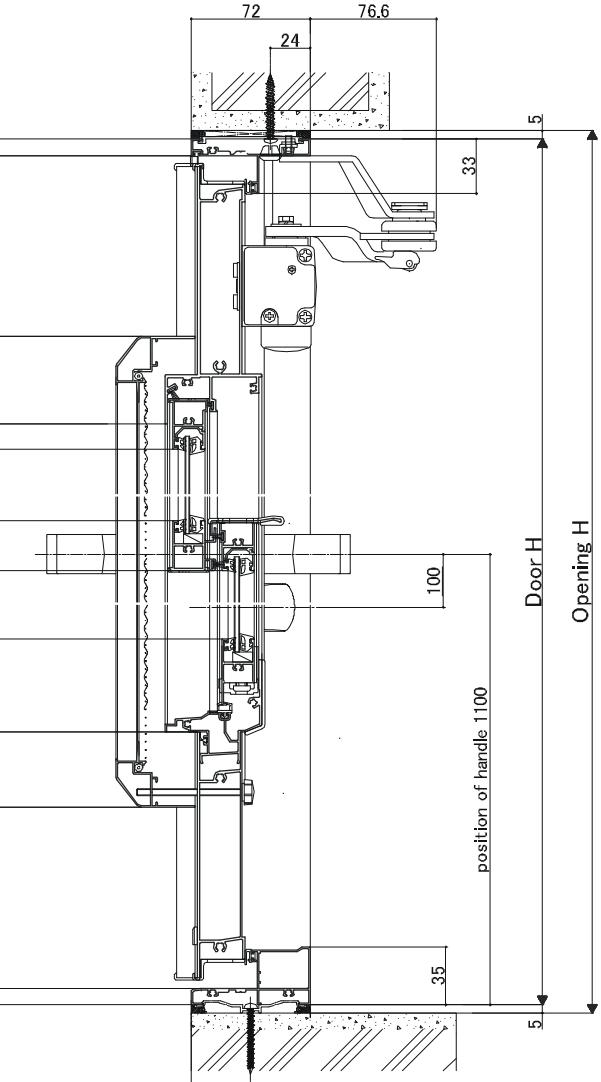
: Horizontal section: 2 panels panel sliding door >



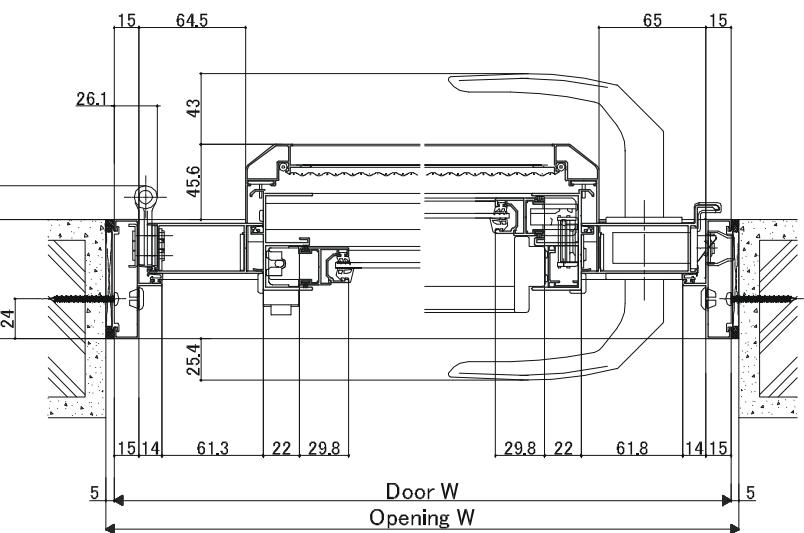
< Vertical section: 2 and 4 panels sliding door >



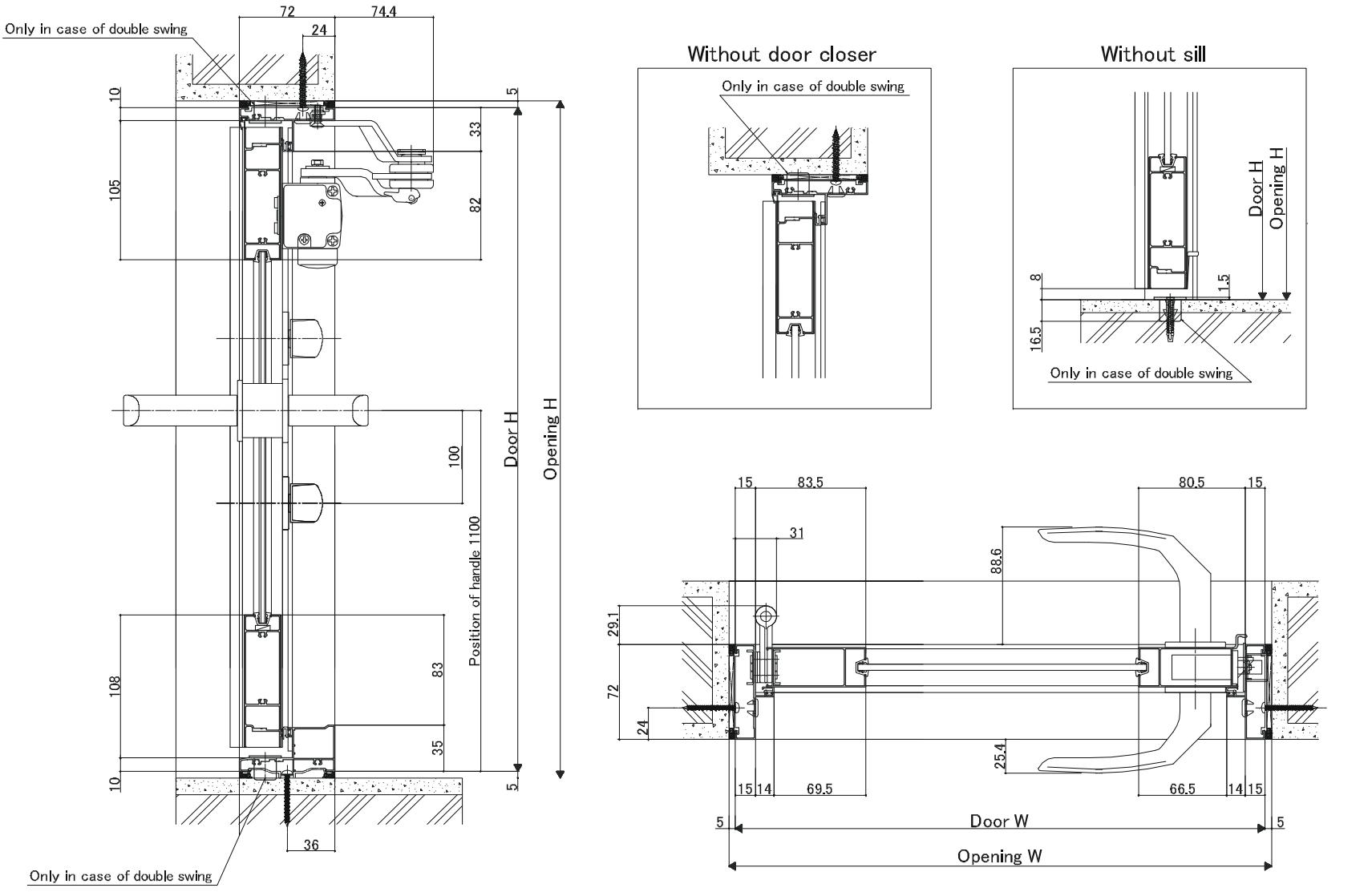
< Horizontal section: 4 panels sliding door >



< Vertical section: AirFlow Door >

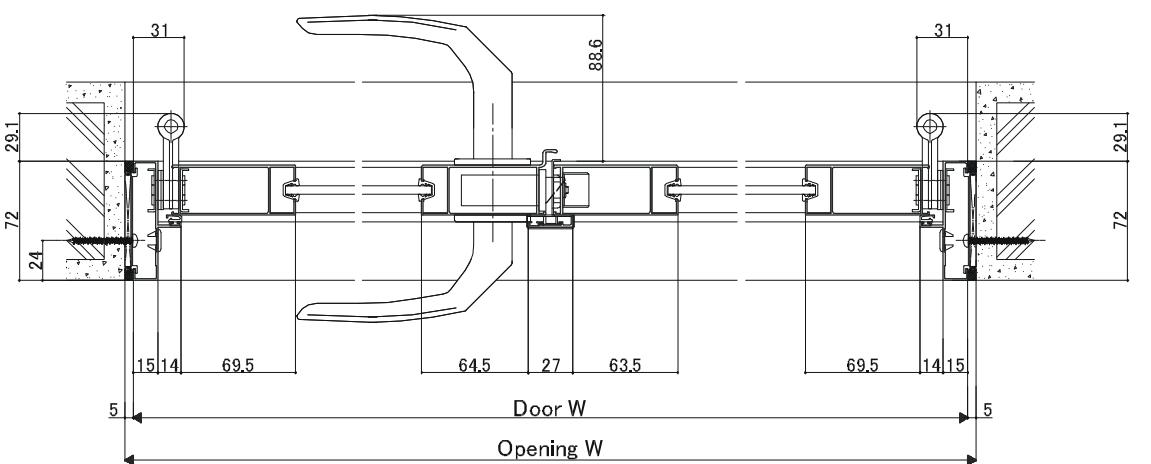


Horizontal section: AirFlow Door >

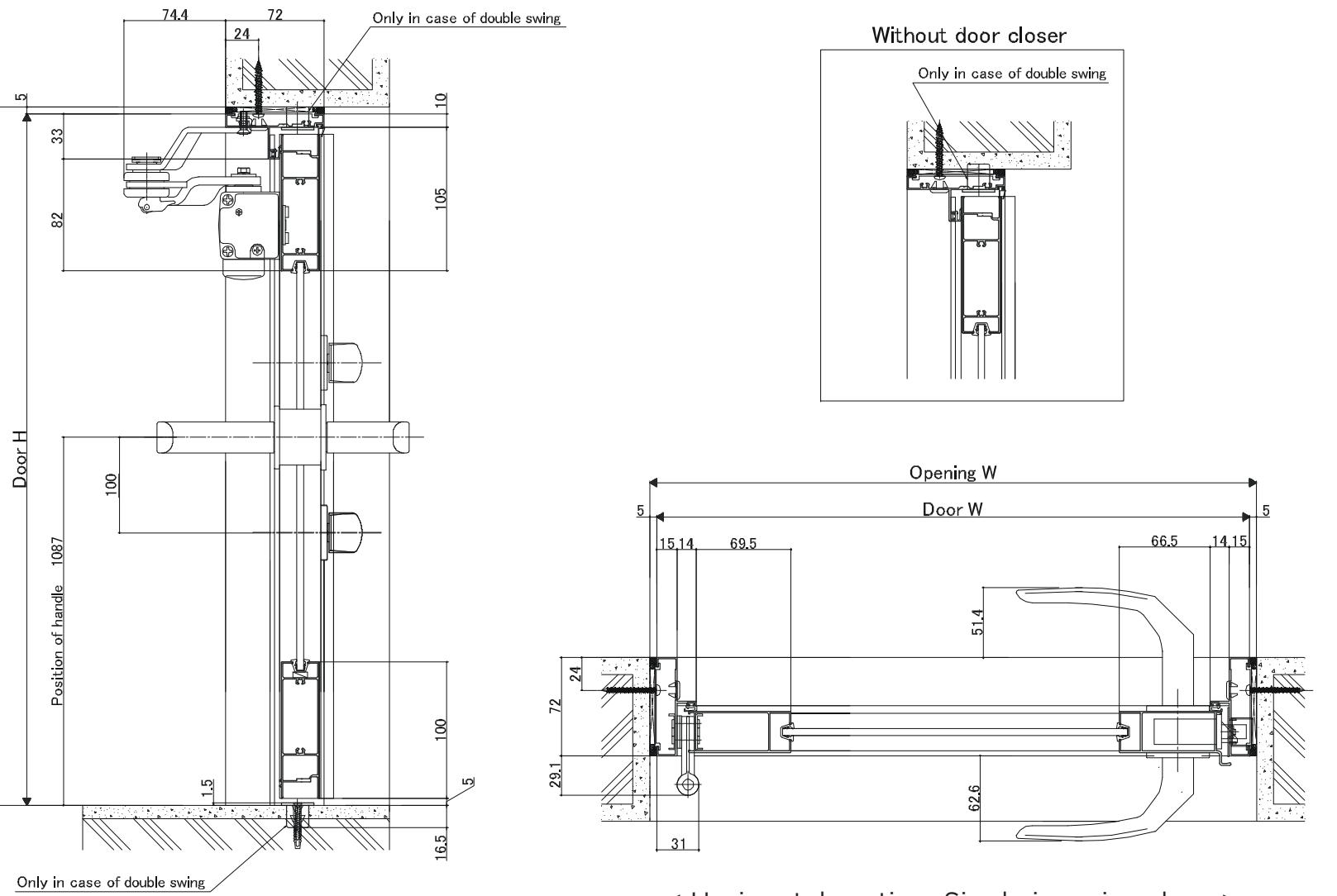


≤ Vertical section: Single & double cut-swing door

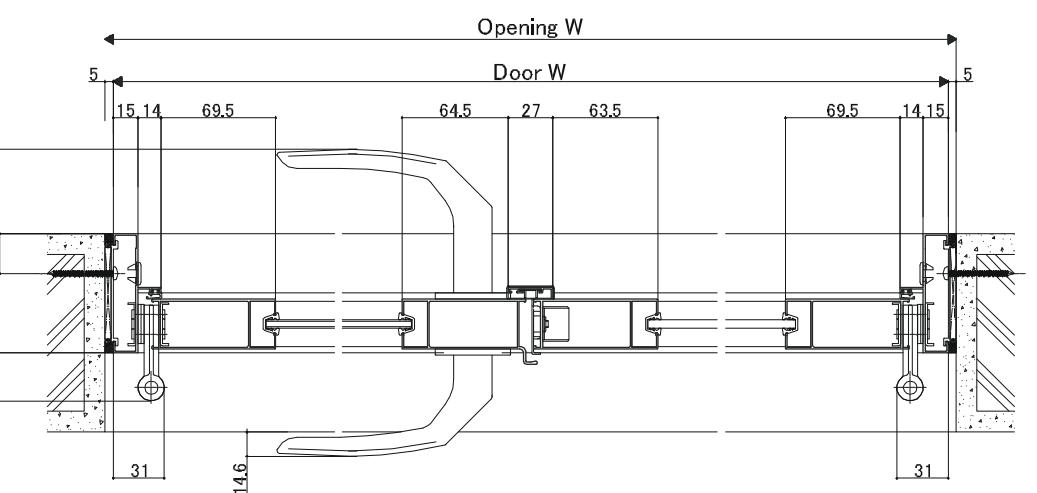
| > < Horizontal section: Single out-swing door >



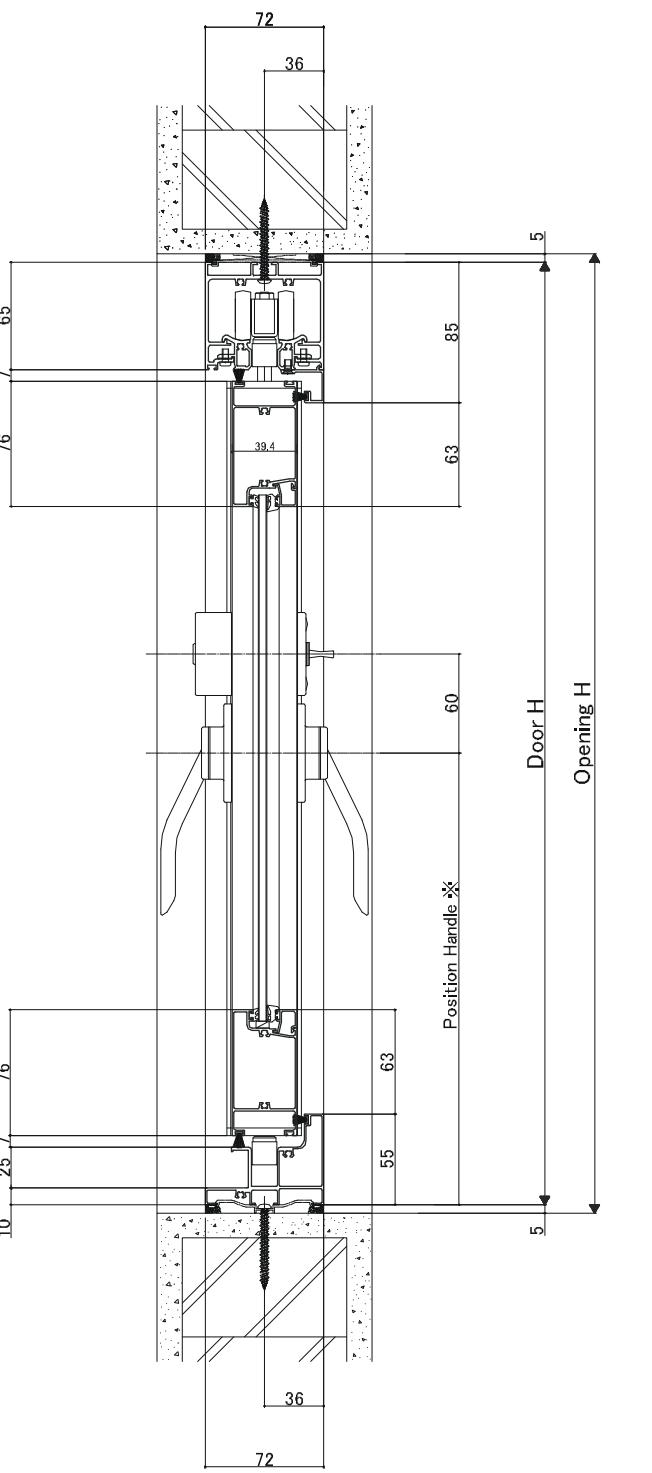
< Horizontal section: Double out-swing door >



Vertical section: Single & double in-swing door >



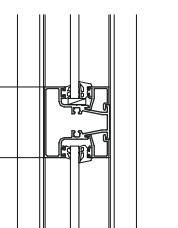
Horizontal section: Double in-swing door >



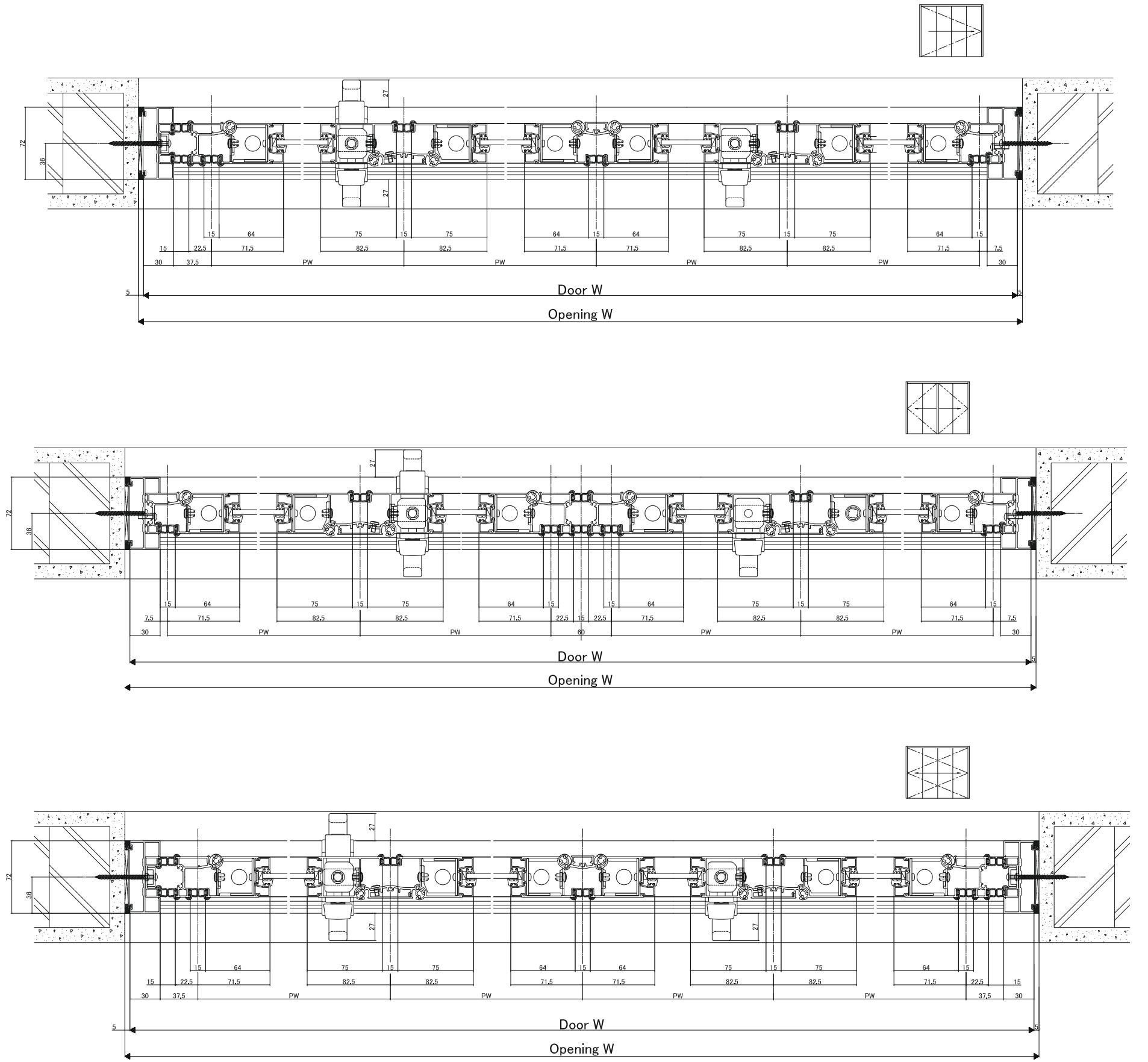
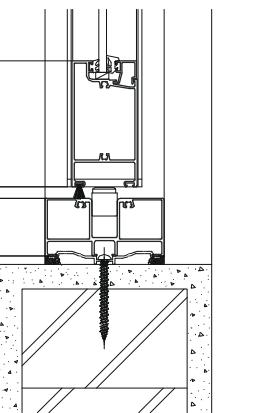
< Vertical section: Folding Door >

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

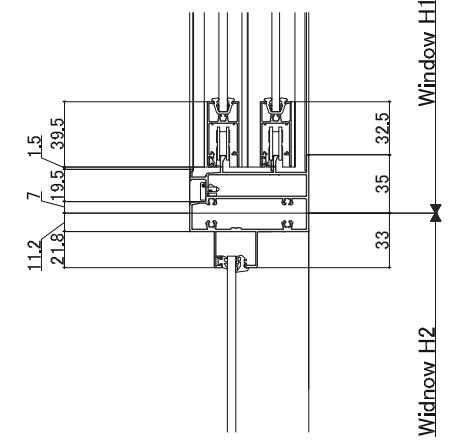
< Vertical section: With middle bar >



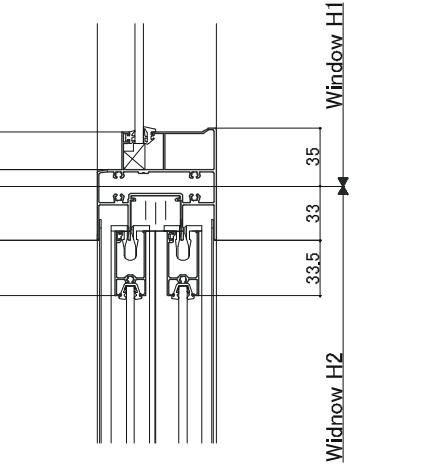
< Vertical section: Flat sill >



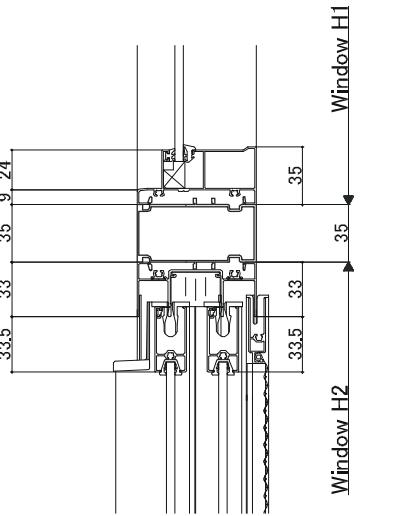
WE 70 COMBINATION



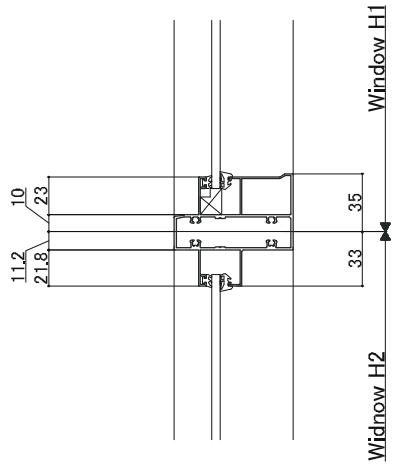
< Vertical section: Sliding/Fixed transom >



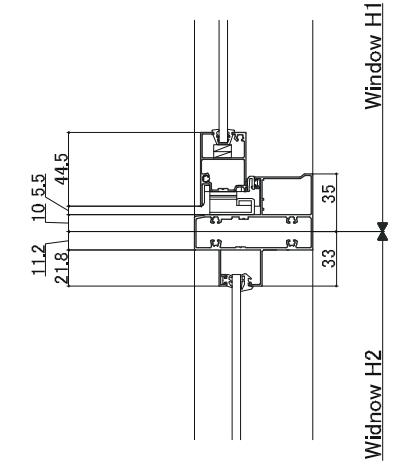
< Vertical section: Fixed/Sliding transom >



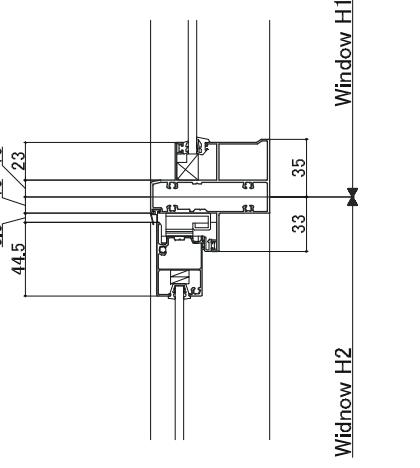
< Transom >



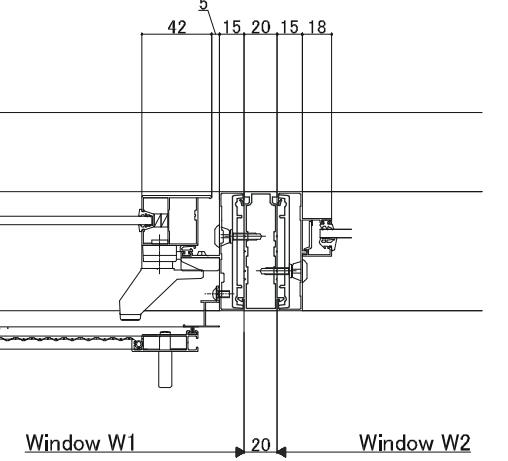
< Vertical: Fixed/Fixed transom >



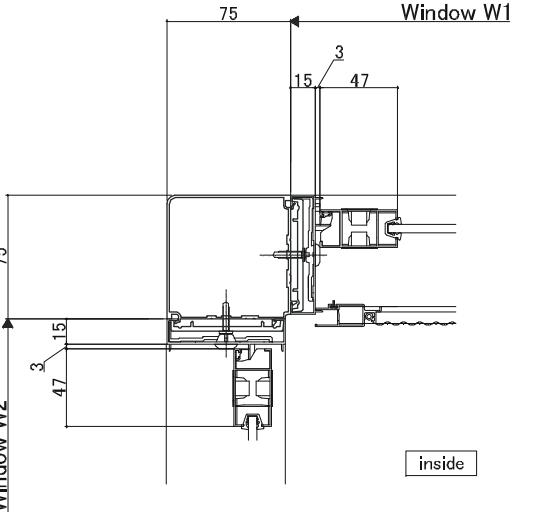
< Vertical: Projection/Fixed transom >



< Vertical: Fixed/Projection transom >

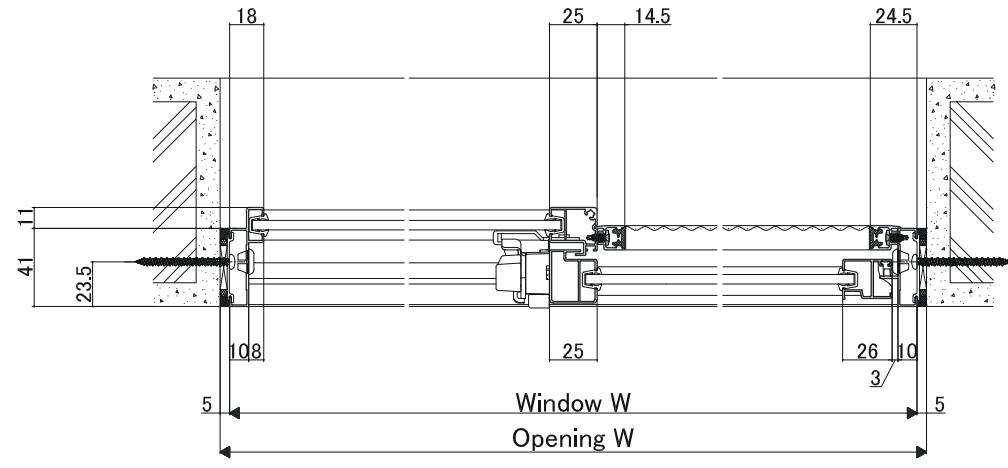


< Mullion >

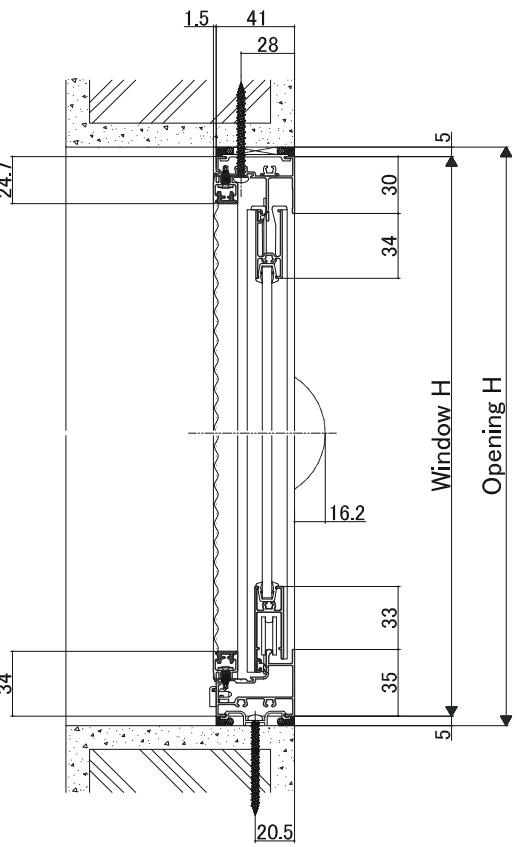


< Corner mullion >

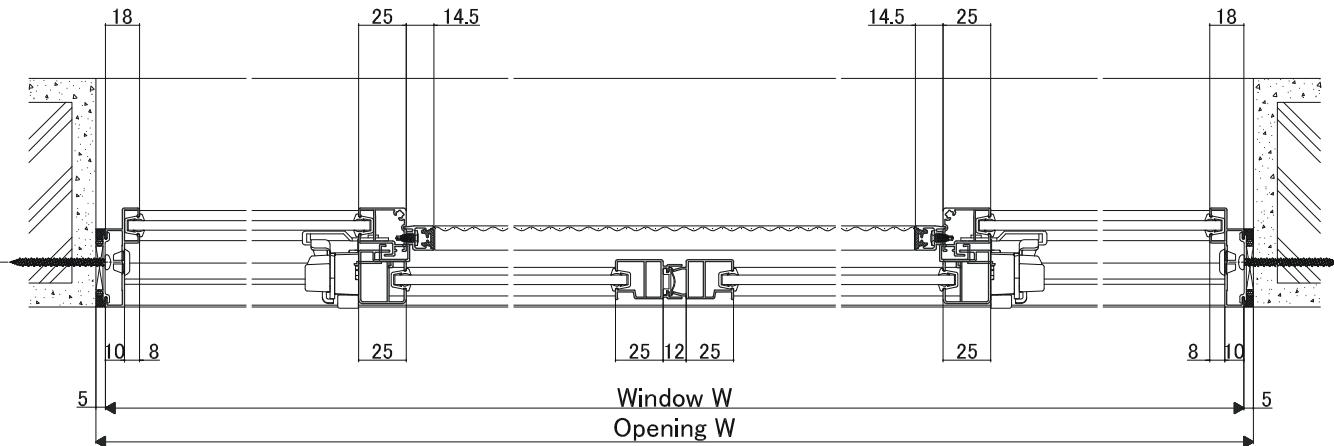
WE 40 SERIES



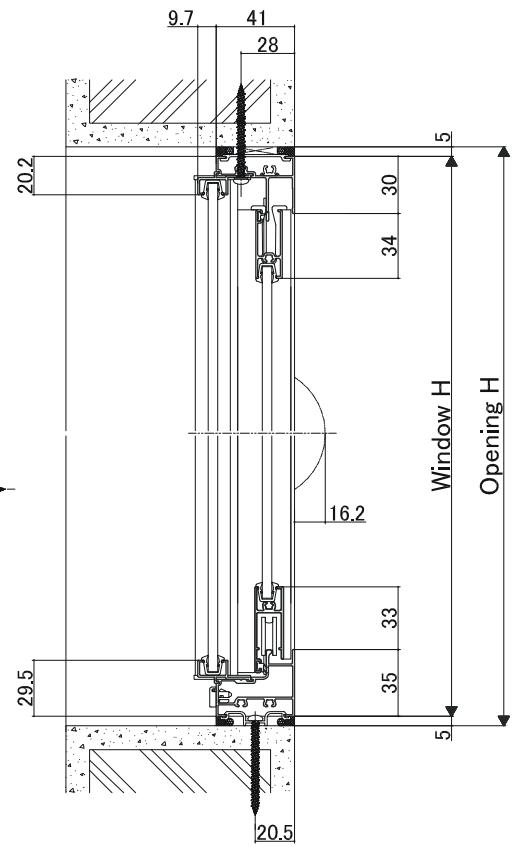
< Horizontal section: Single sliding window >



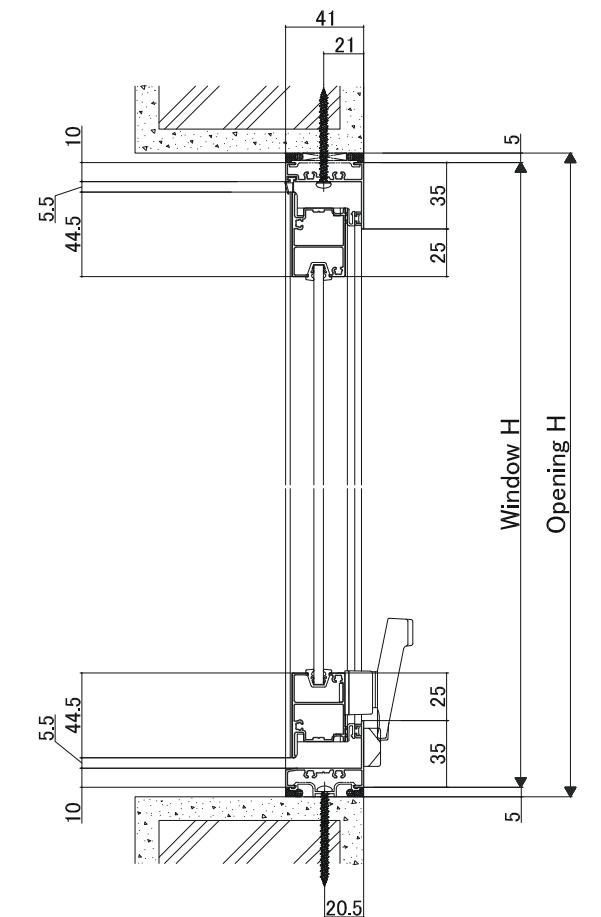
< Vertical section: Single sliding (screen side) >



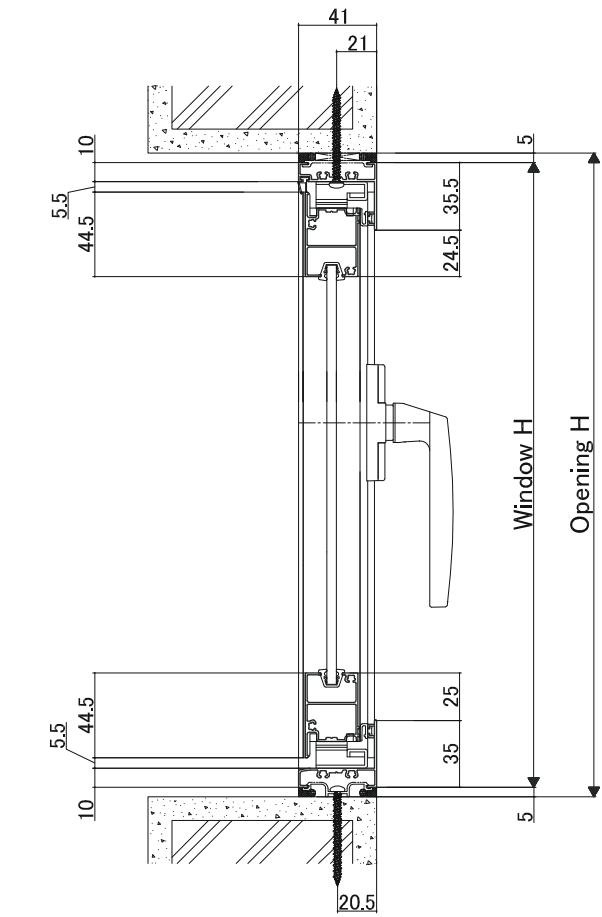
< Horizontal section: Center sliding window >



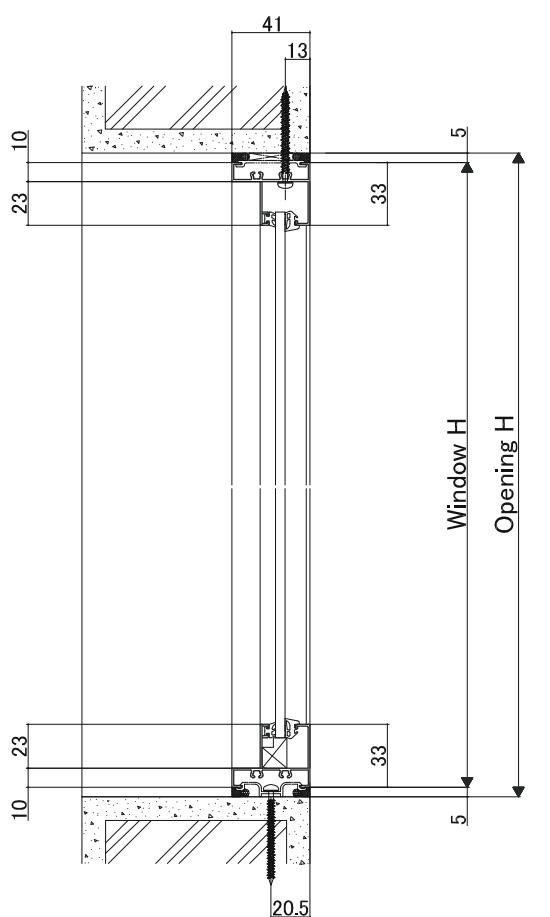
< Vertical section: Single sliding window (panel side) >



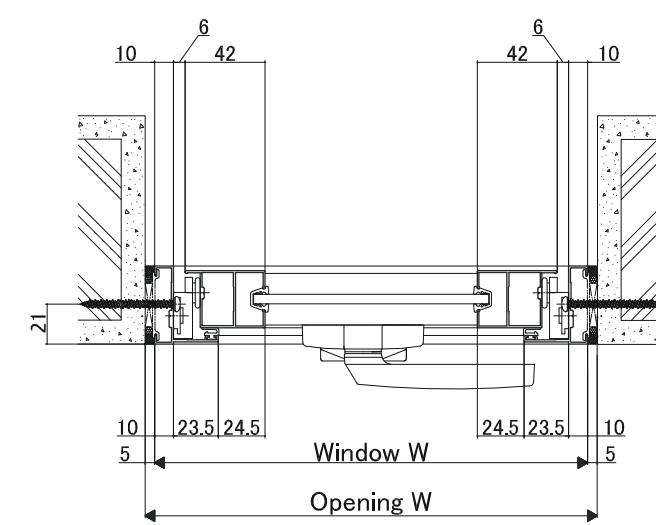
< Vertical section: Awning window >



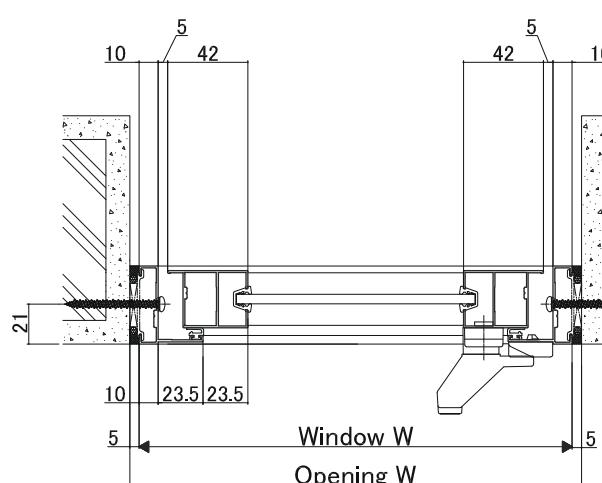
< Vertical section: Casement window >



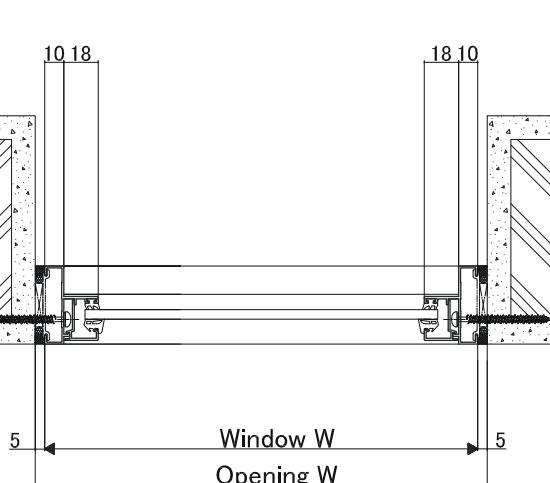
< Vertical section: Fixed window >



< Horizontal section: Awning window >

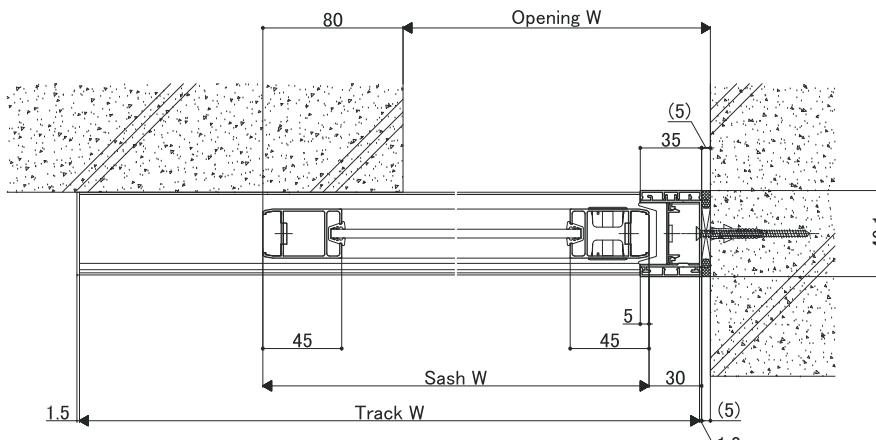


< Horizontal section: Casement window >

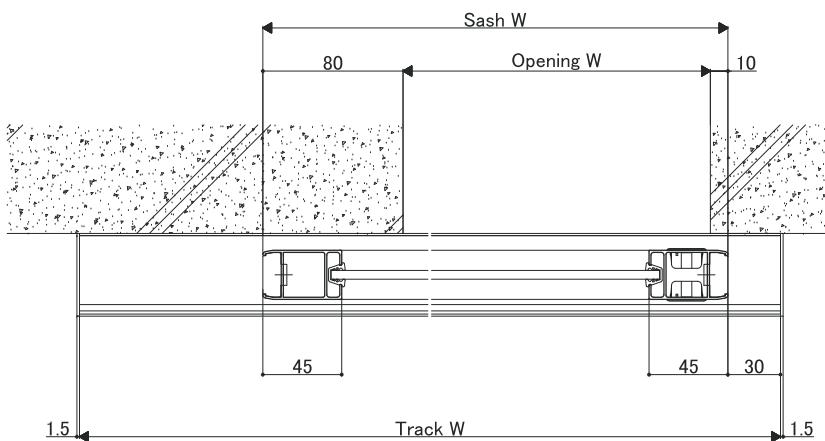


< Horizontal section: Fixed window >

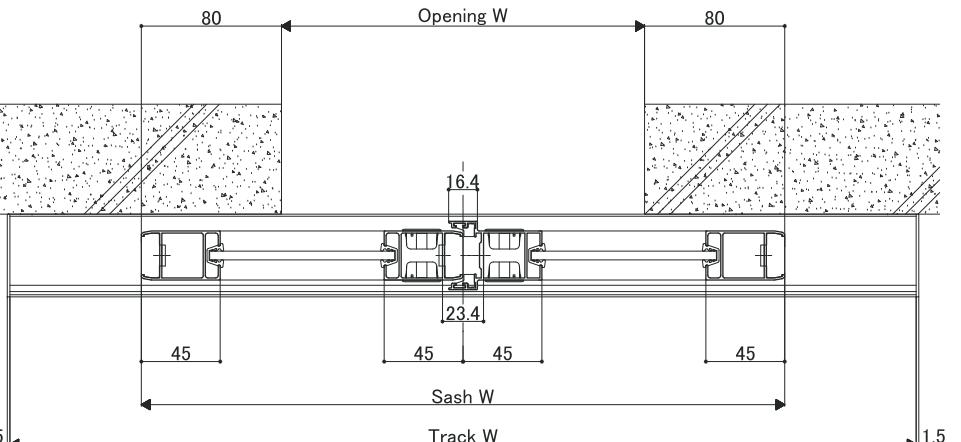
INTERIOR SERIES



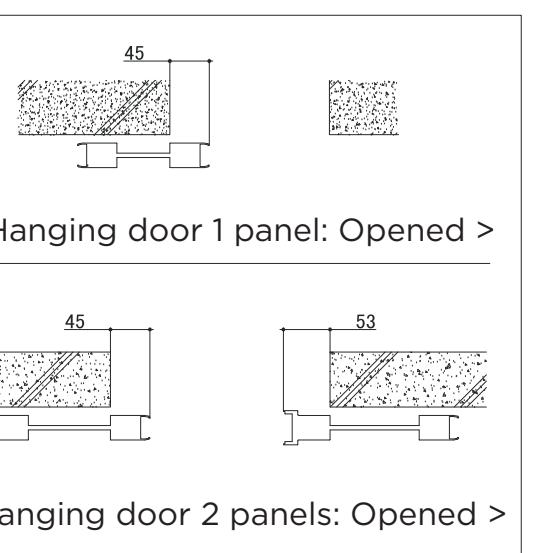
< Horizontal section: 1 panel on 1 track on-wall hanging door with jamb (R) >



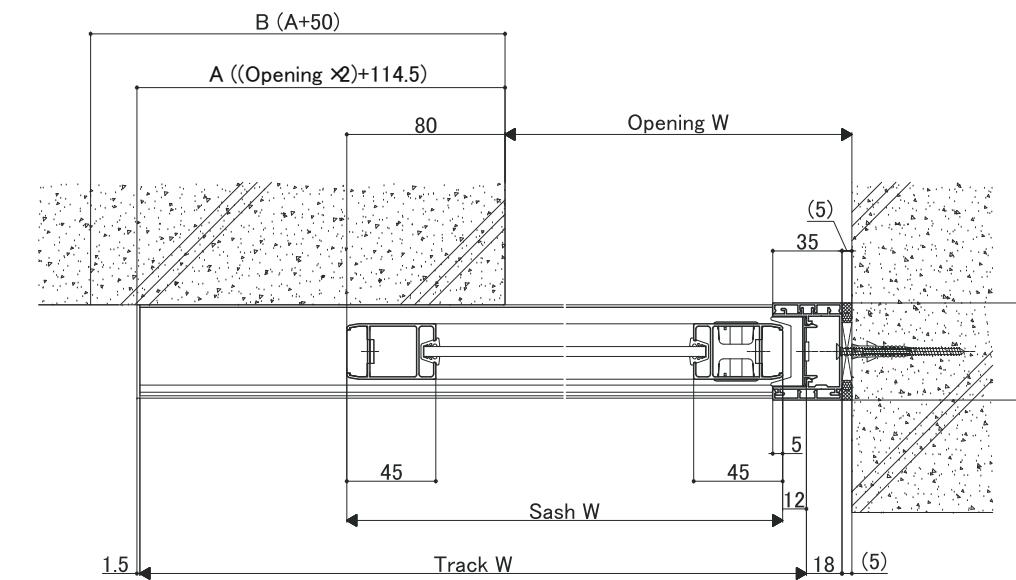
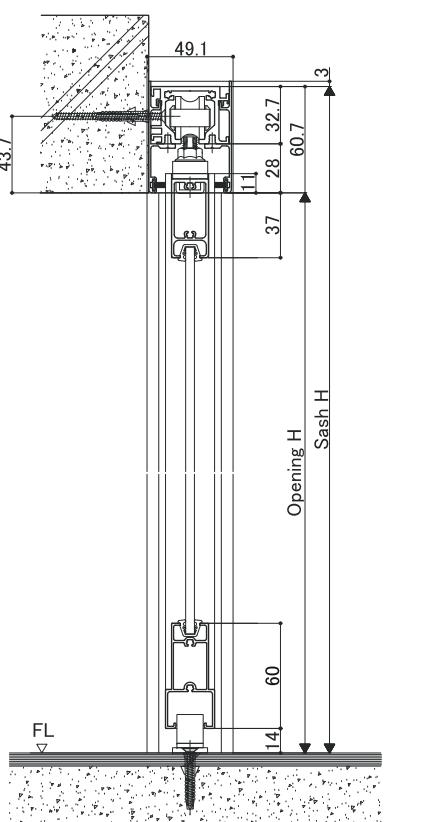
< Horizontal section: 1 panel on 1 track on-wall hanging door without jamb (R) >



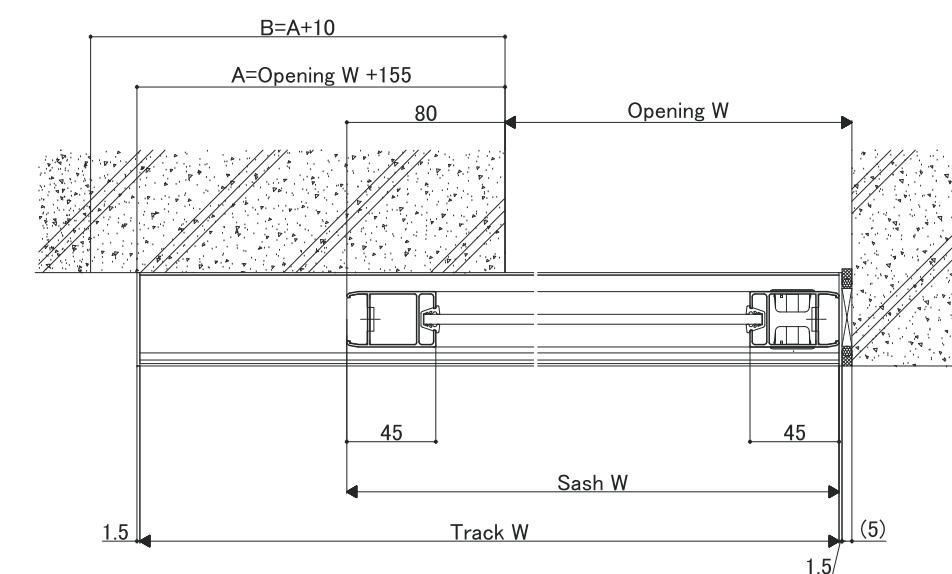
< Horizontal section: 2 panels on 1 track on-wall hanging door >



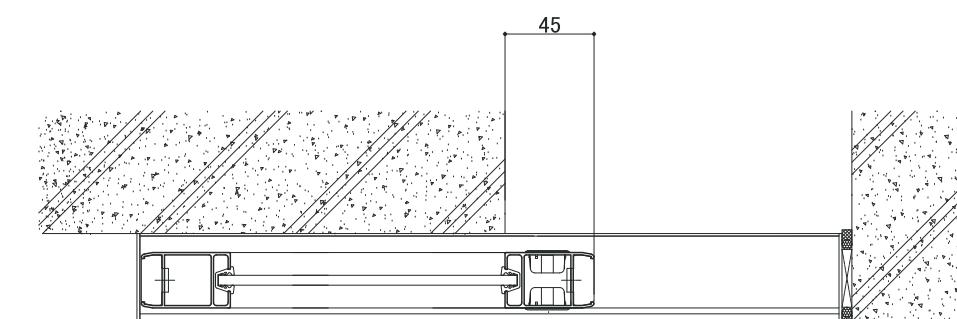
< Vertical section: 1 track on-wall hanging door >



< Horizontal section: 1 panel on 1 track in-wall hanging door with jamb (R) >

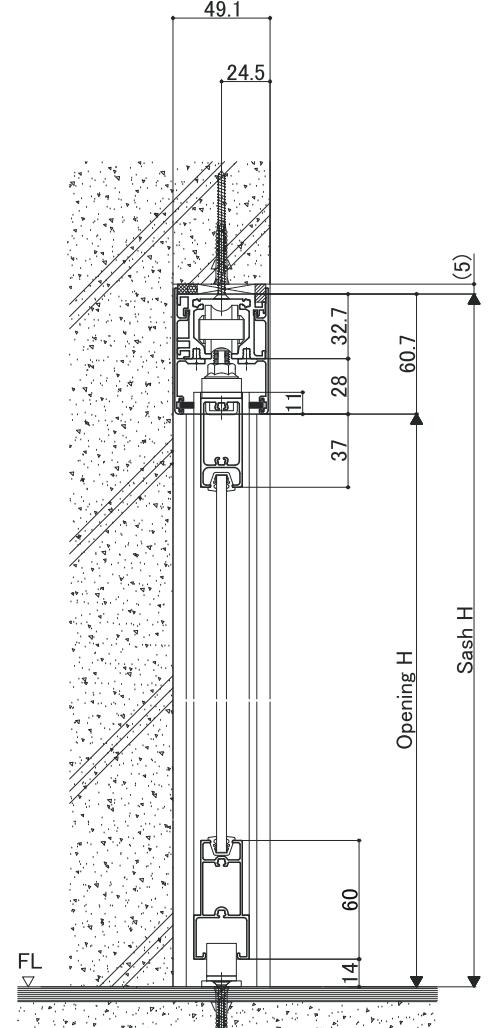


< Horizontal section: 1 panel on 1 track in-wall hanging door without jamb (R) >

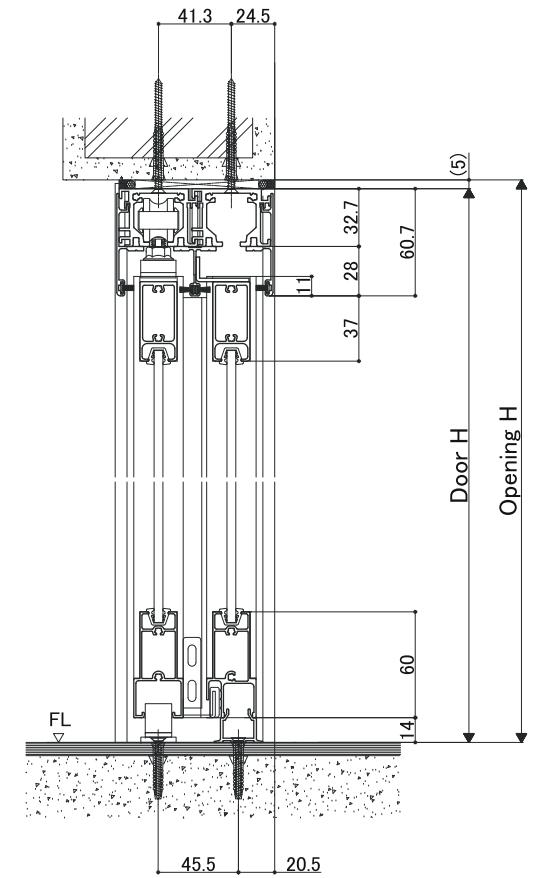


< Horizontal section: 1 panel on 1 track in-wall hanging door >

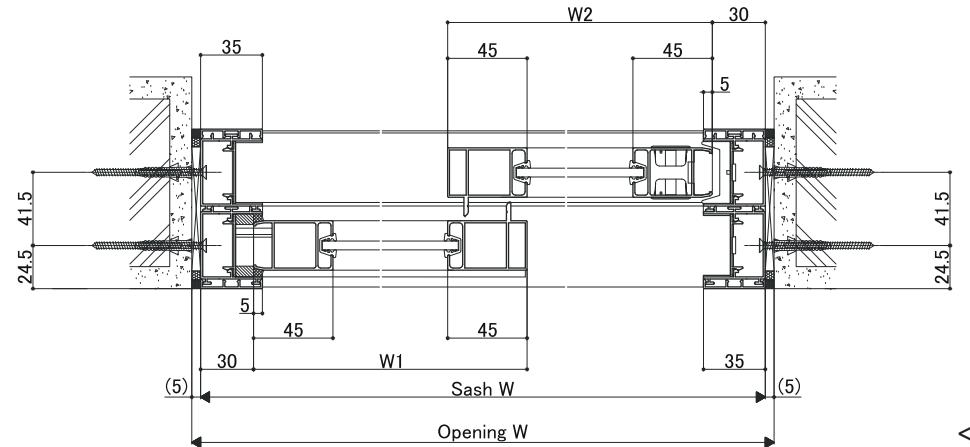
*opened



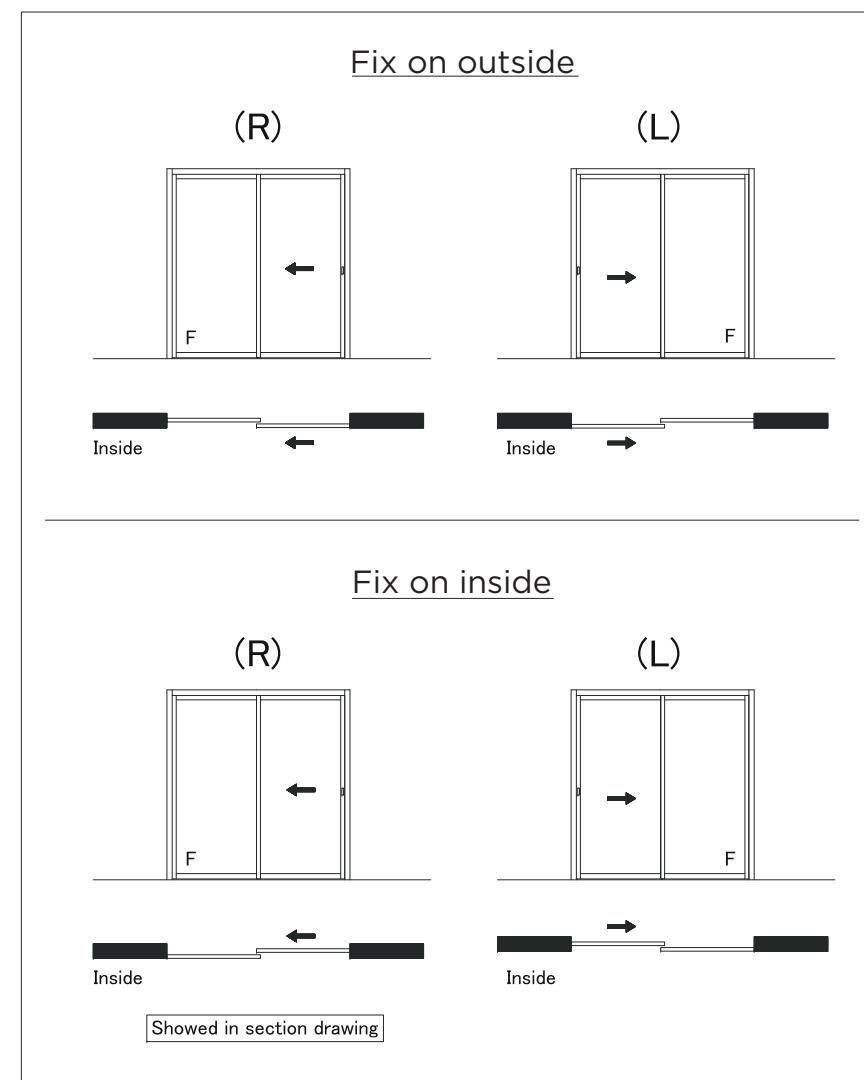
< Vertical section: 1 track in-wall hanging door >



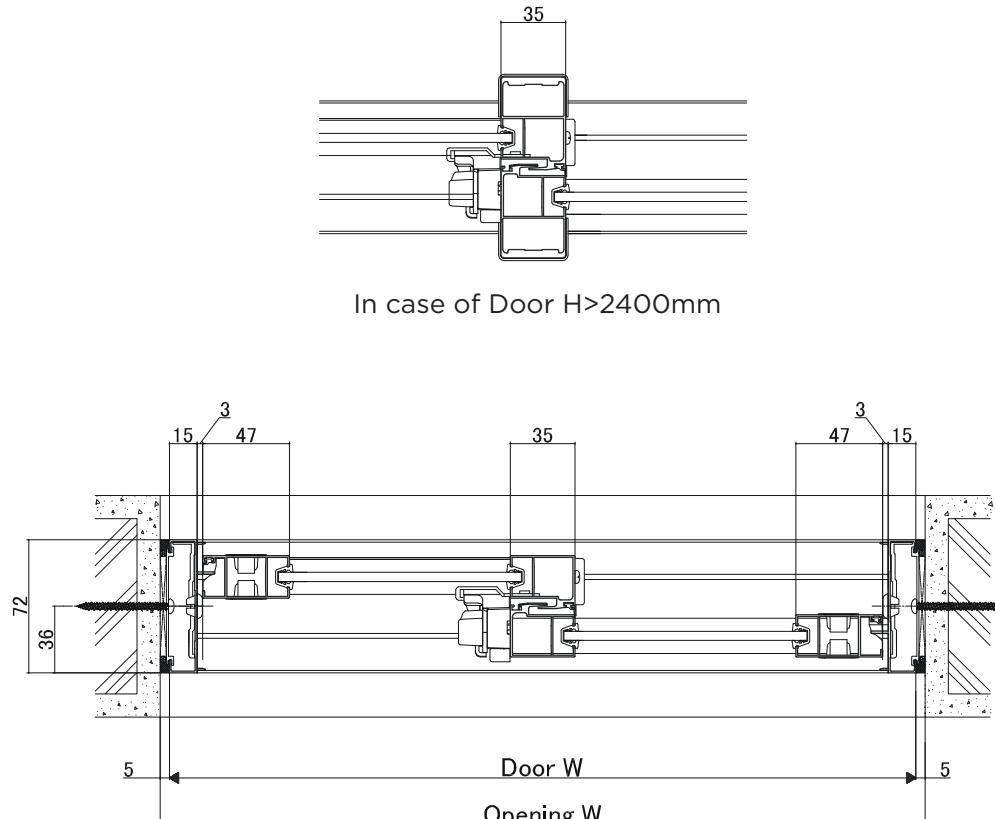
< Vertical section:
2 panels on 2 tracks in-wall hanging door >



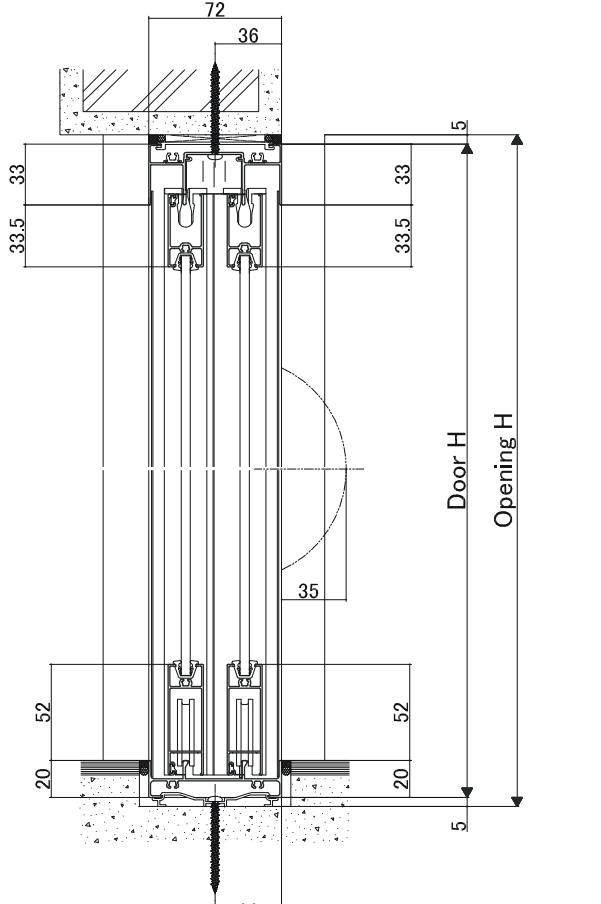
< Horizontal section: 2 panels on 2 tracks in-wall hanging door >



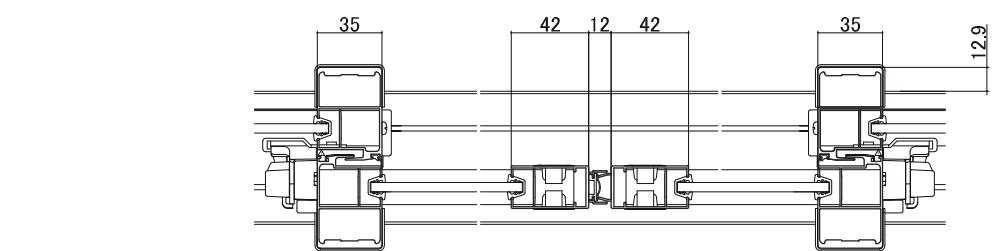
< Horizontal section: 2 panels on 2 tracks hanging door >
*opened



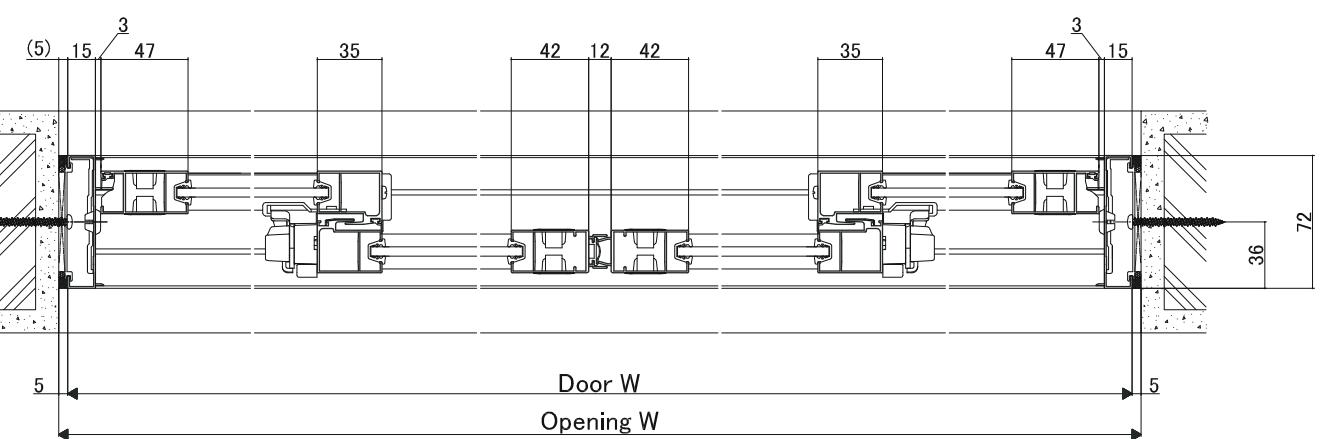
< Horizontal section: 2 panels partition door >



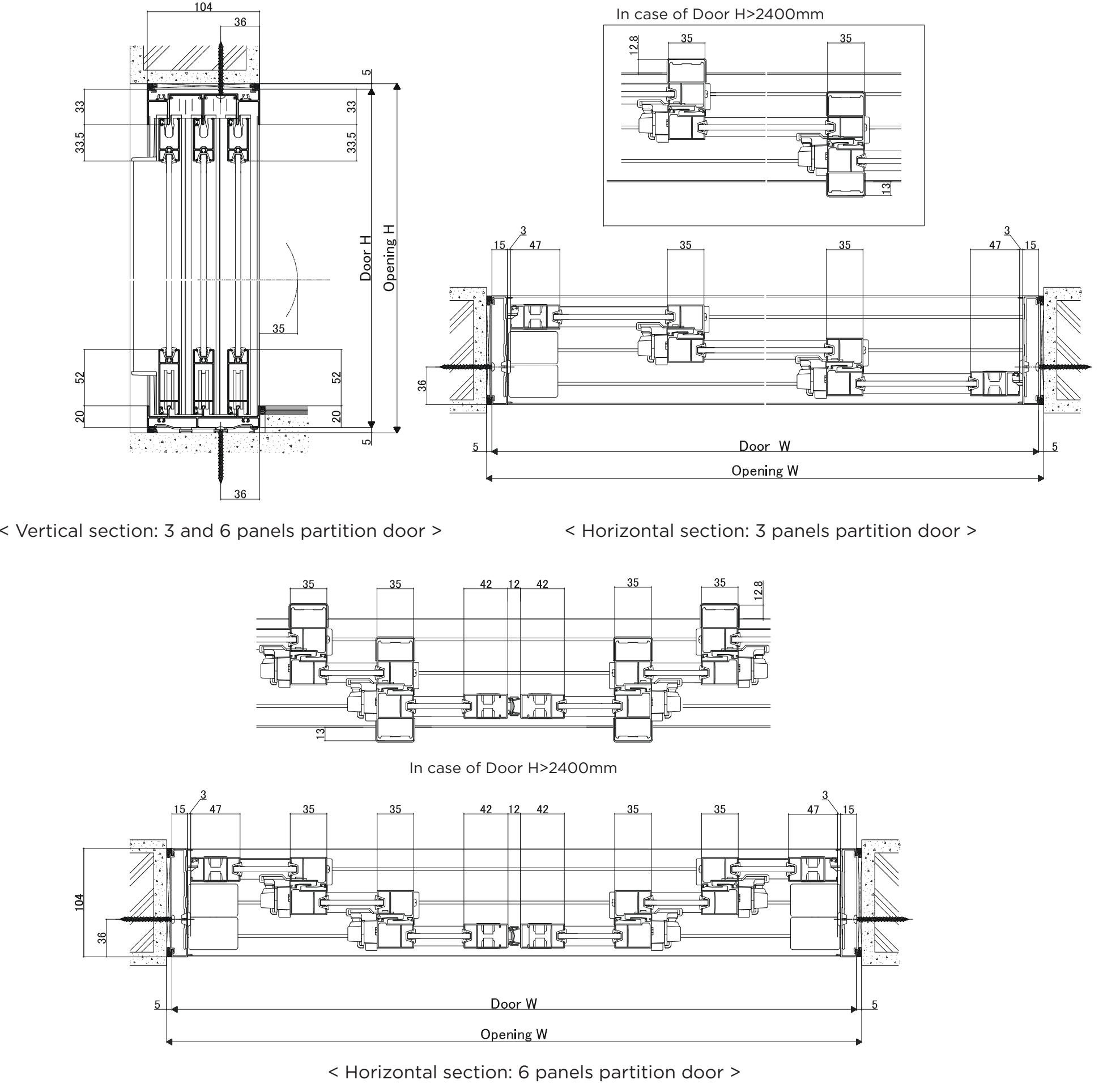
< Vertical section: 2 and 4 panels partition door >



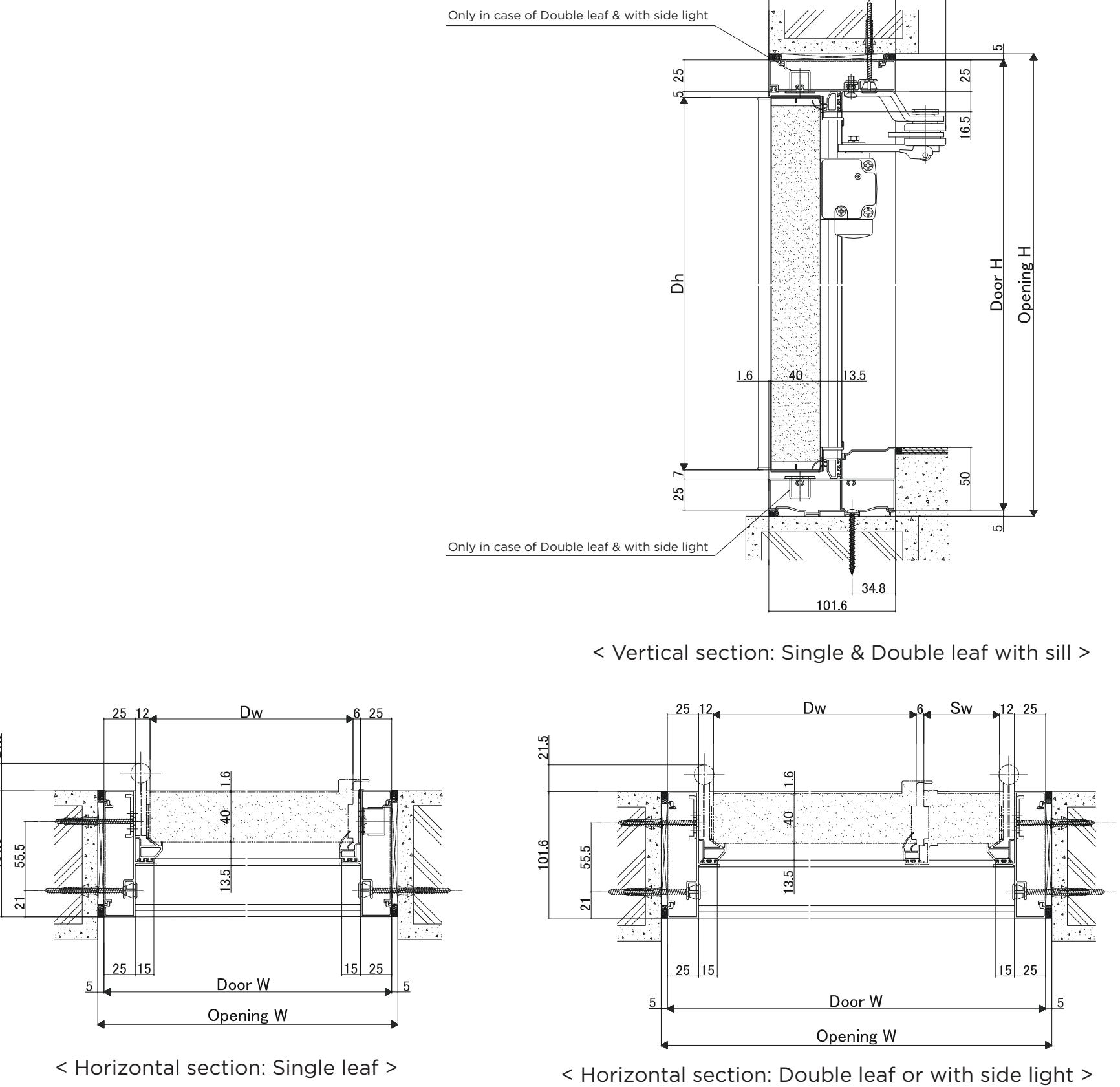
In case of Door H>2400mm



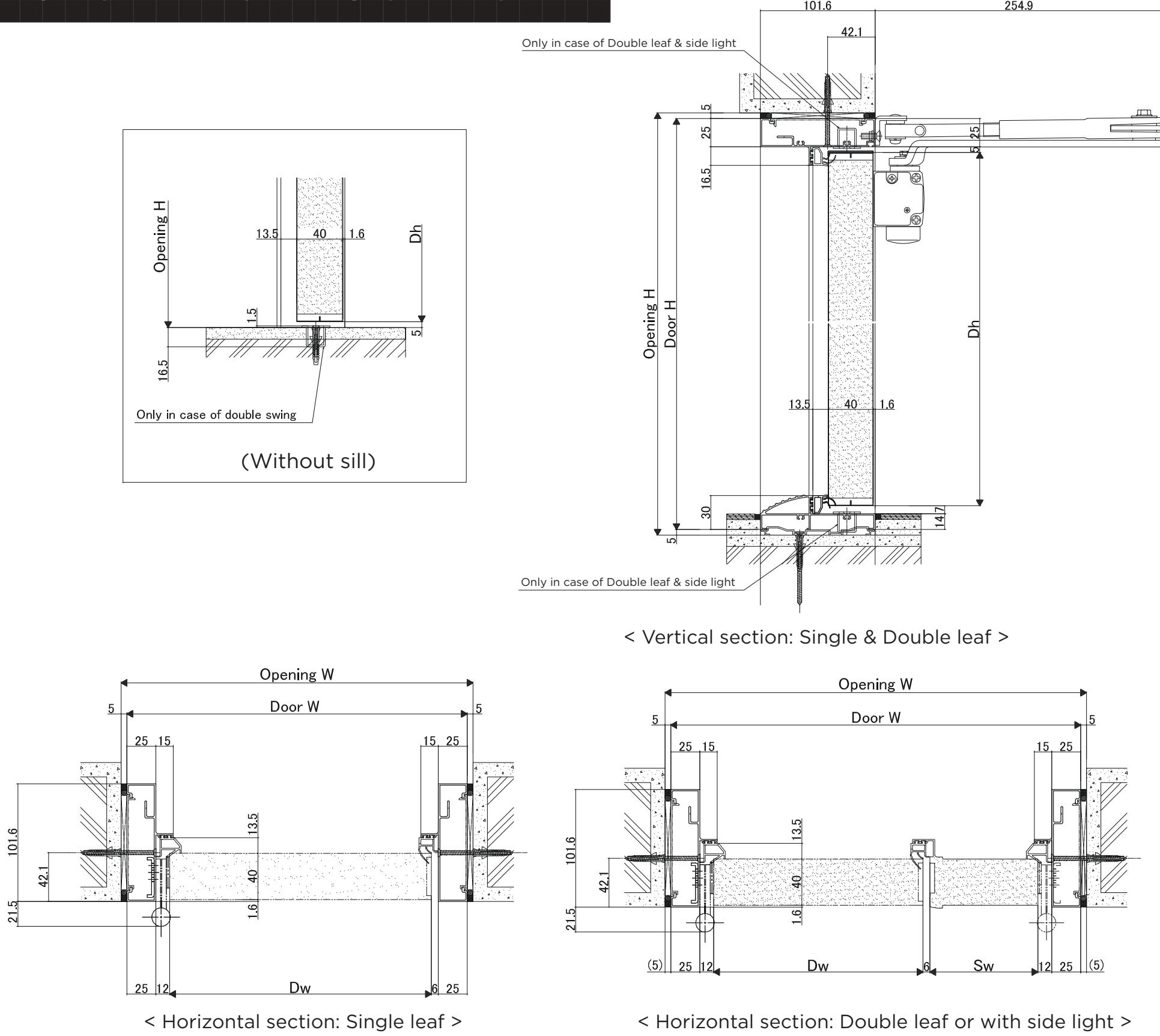
< Horizontal section: 4 panels partition door >



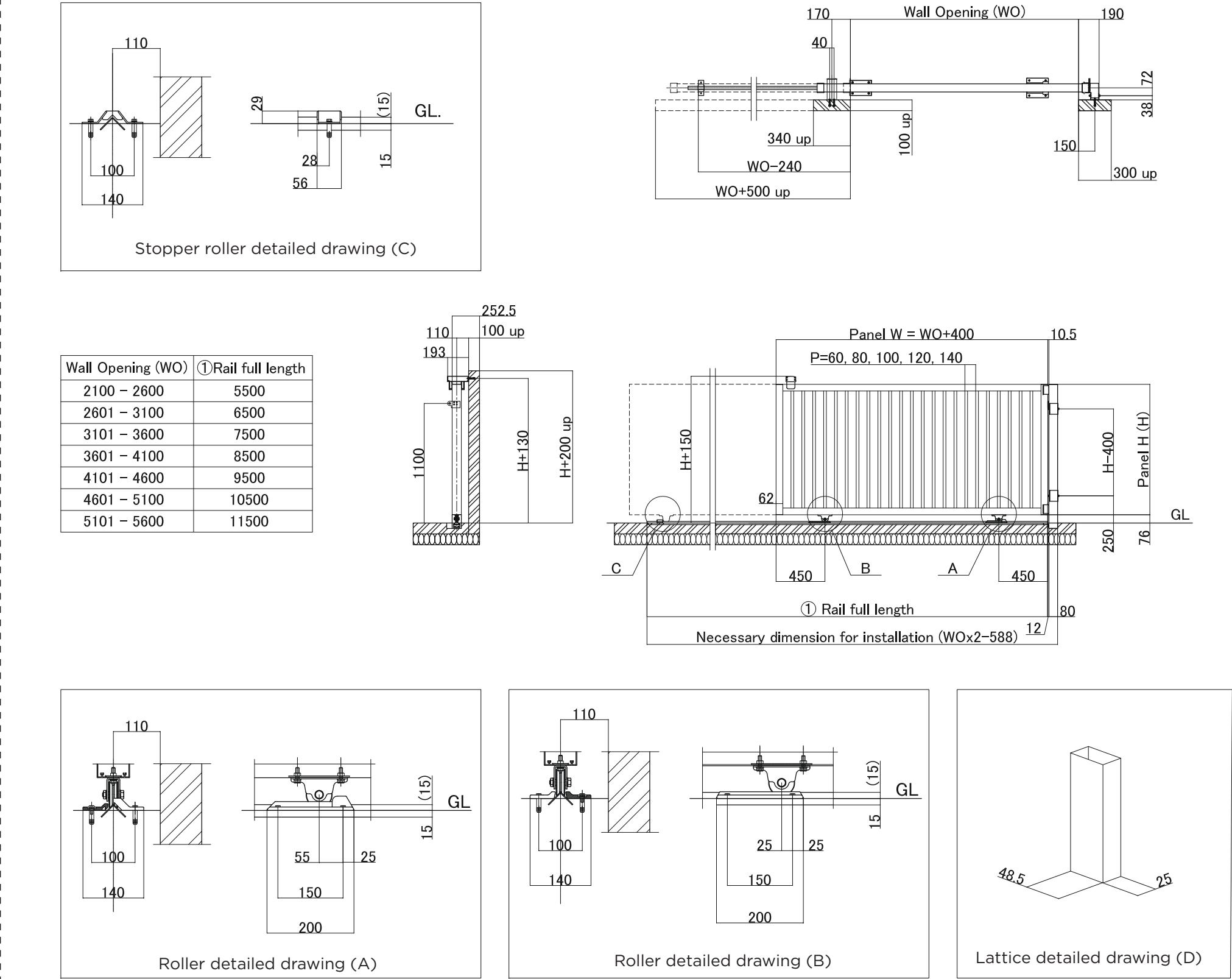
GIESTA OUT-SWING SERIES



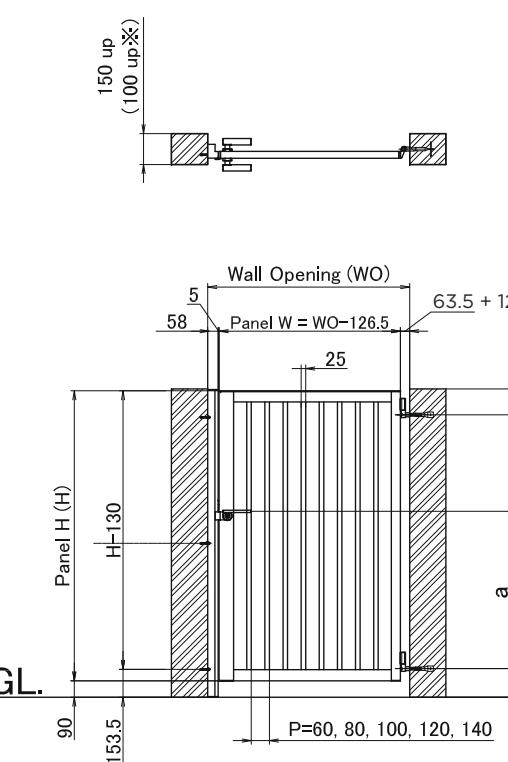
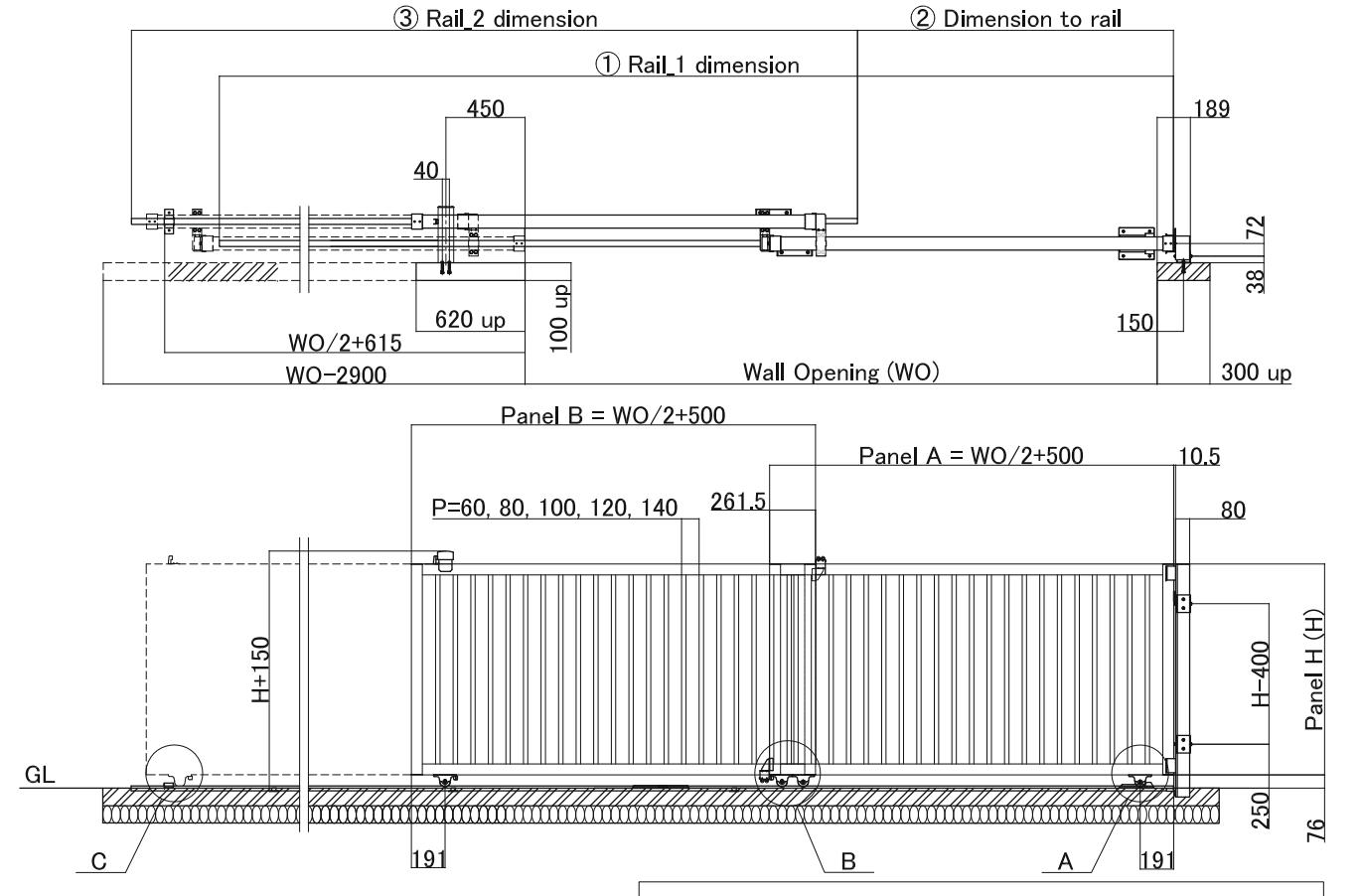
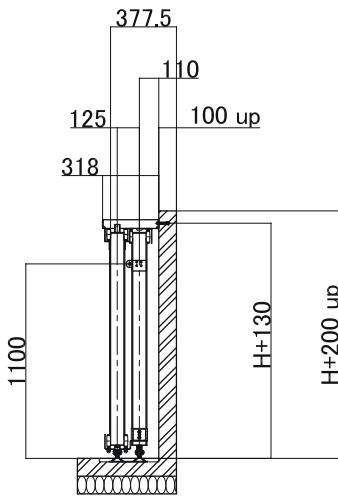
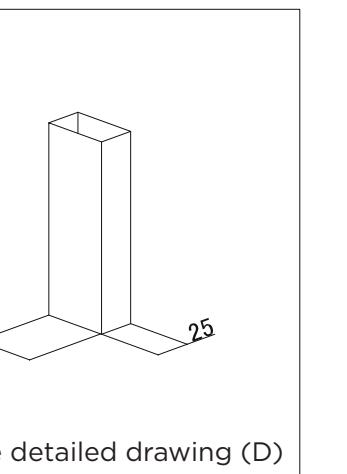
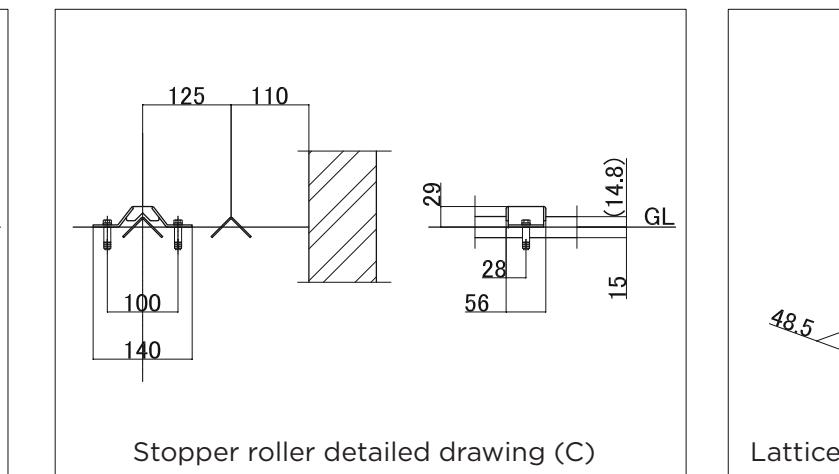
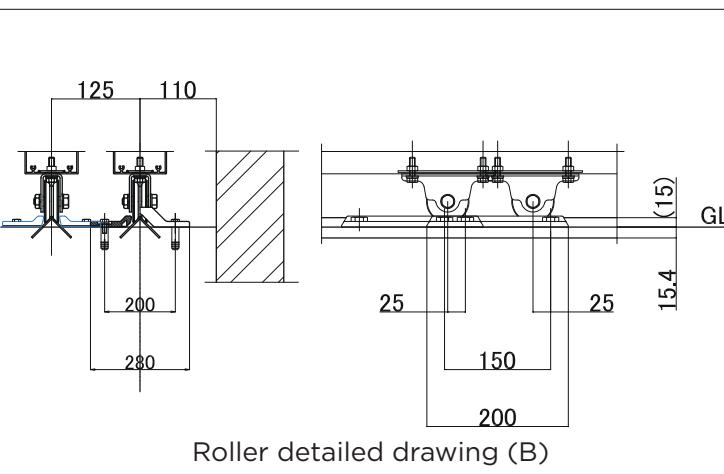
GIESTA IN-SWING SERIES



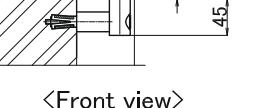
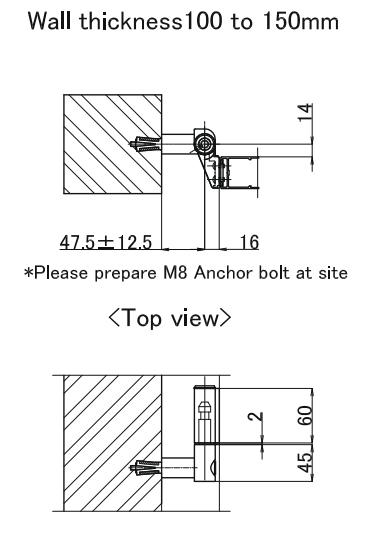
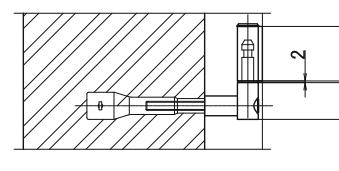
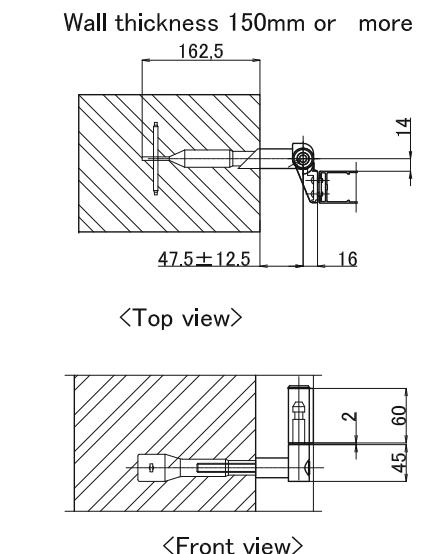
ALUMINIUM EXTERIOR SERIES



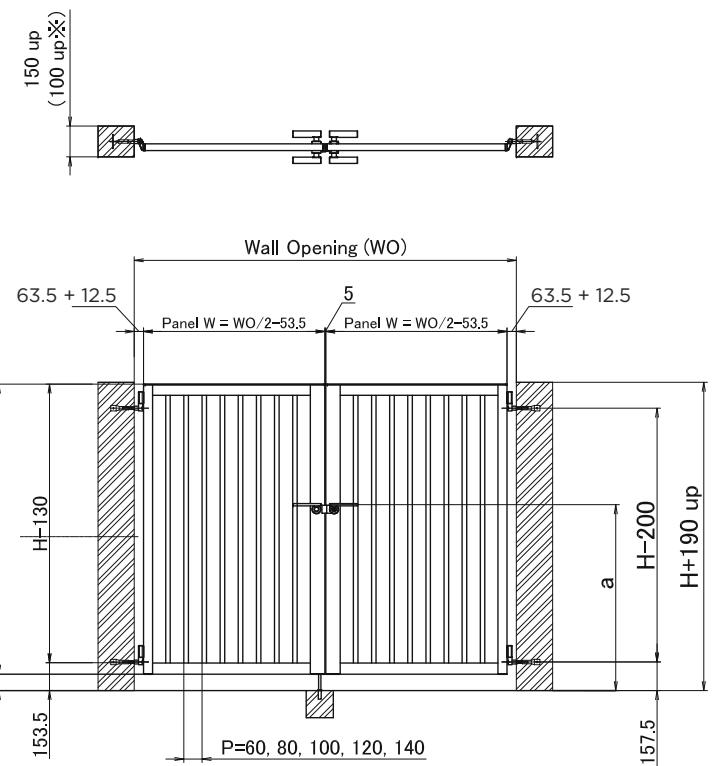
| Wall Opening (WO) | ① Rail Dimension (1) | ② Dimension to rail | ③ Rail dimension (2) |
|-------------------|----------------------|---------------------|----------------------|
| 5000+5500 | 9000 | 3000 | 3000 |
| 5501+6000 | 9500 | 3000 | 3000 |
| 6001+6500 | 10500 | 3500 | 3500 |
| 6501+7000 | 11000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



Hinge detail

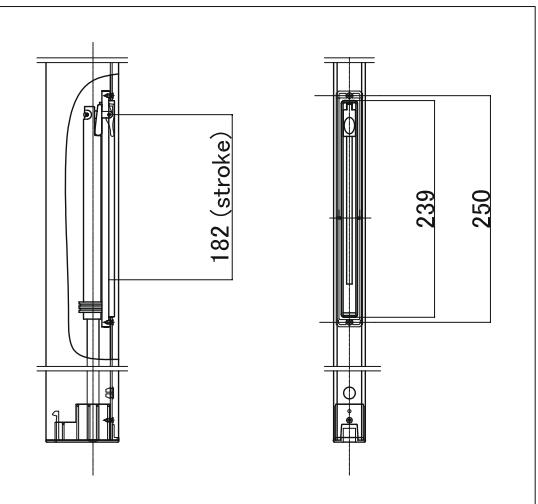


| H | a |
|-----------|------------|
| 1200-1299 | (H+90)-315 |
| 1300-1475 | (H+90)-465 |
| 1476-1600 | (H+90)-665 |

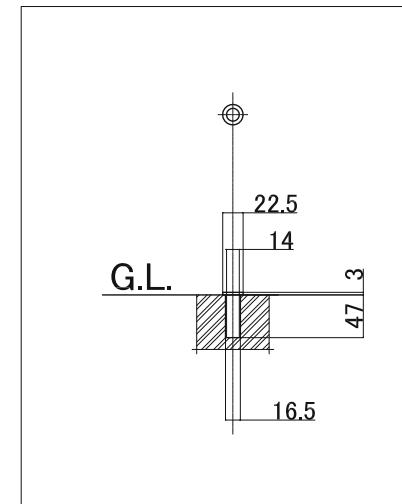


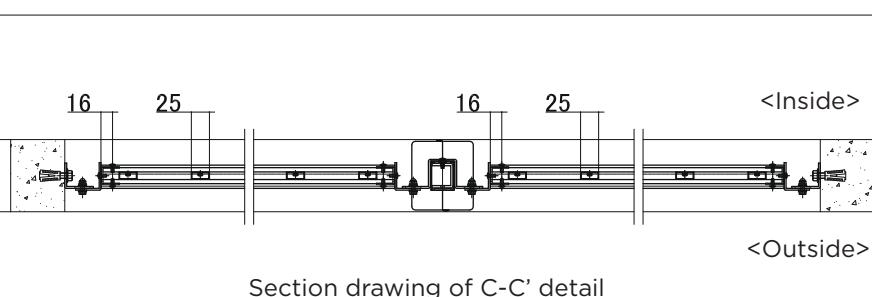
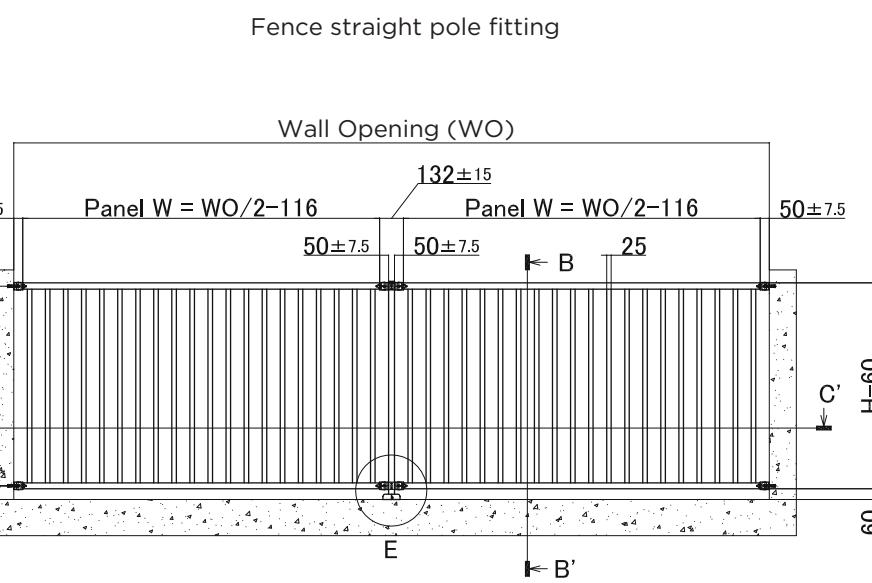
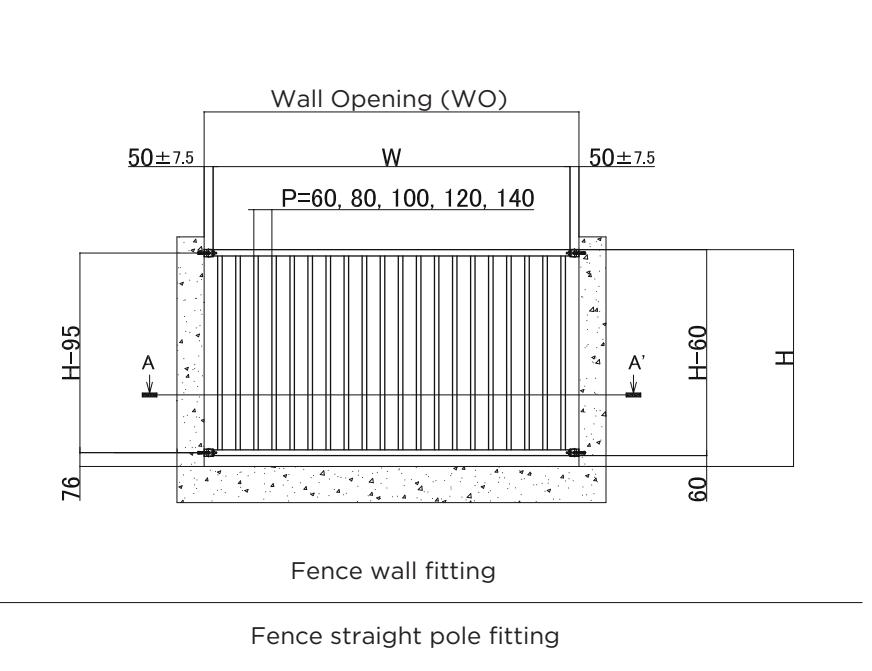
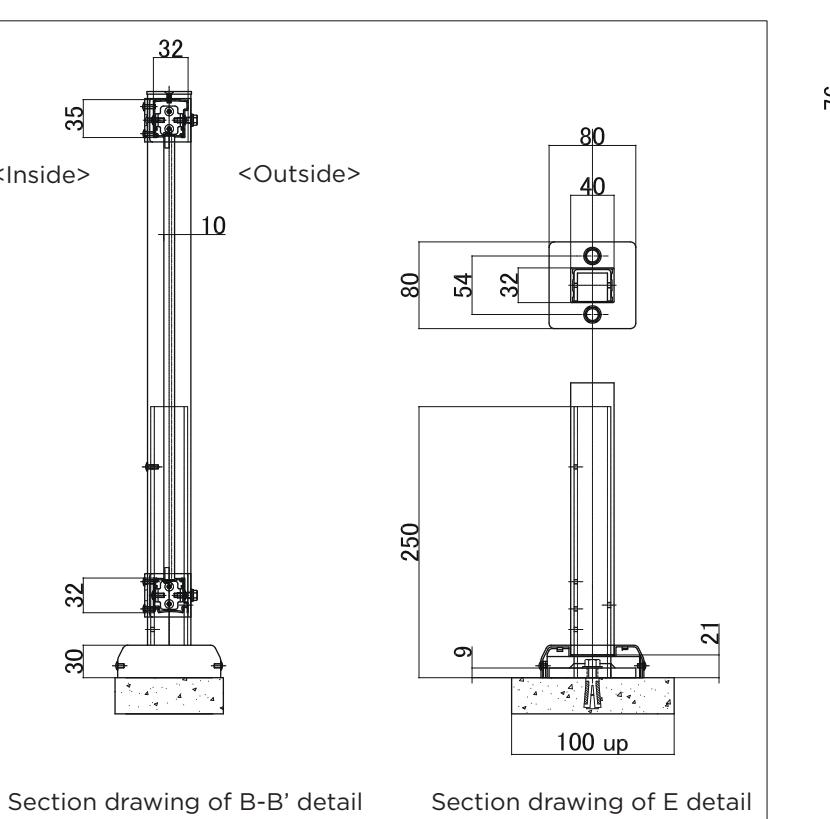
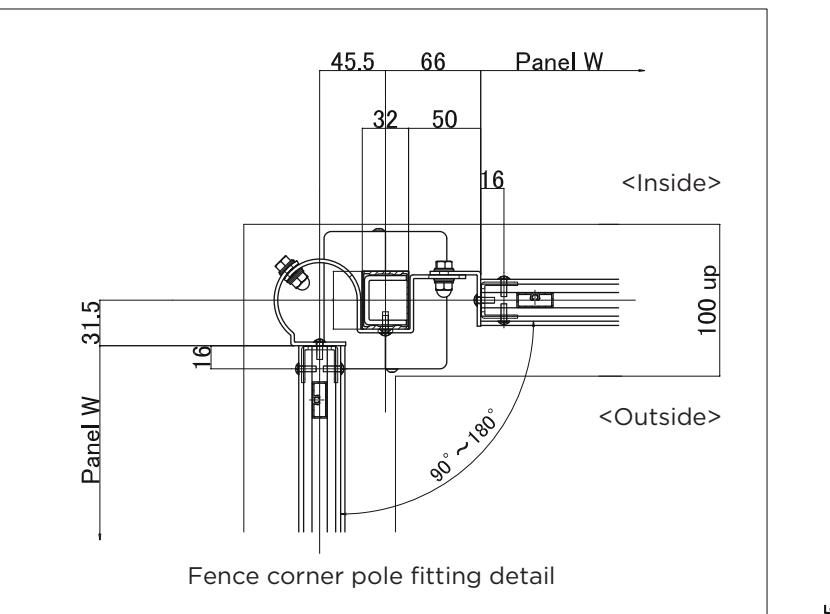
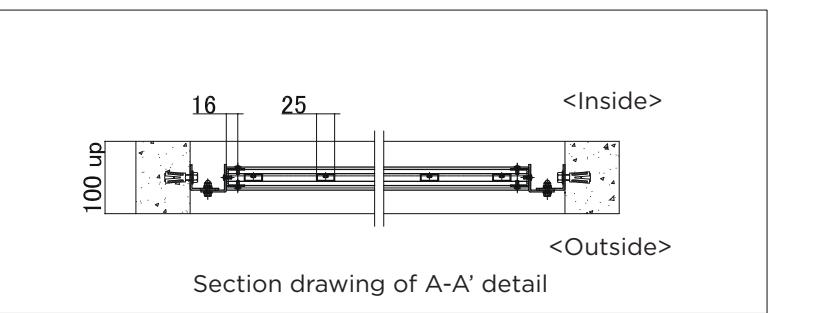
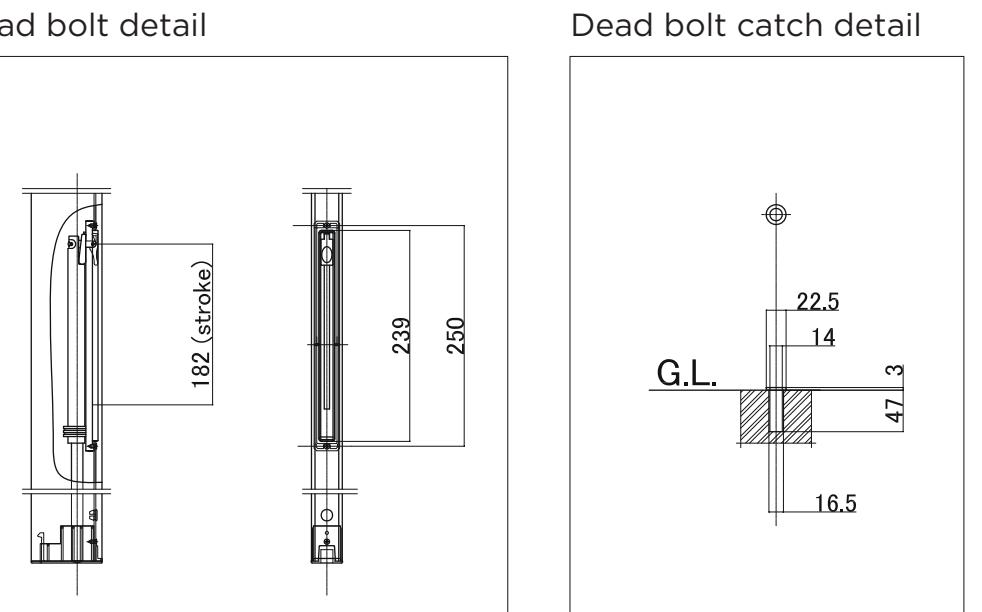
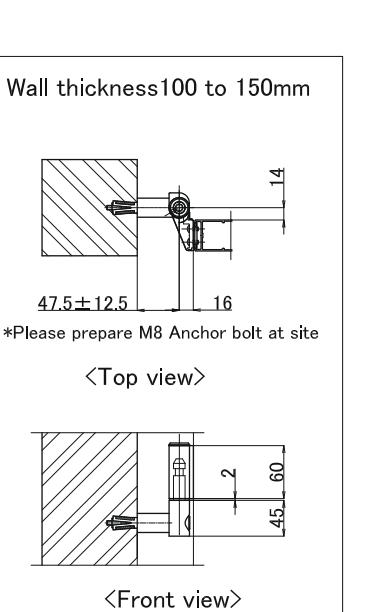
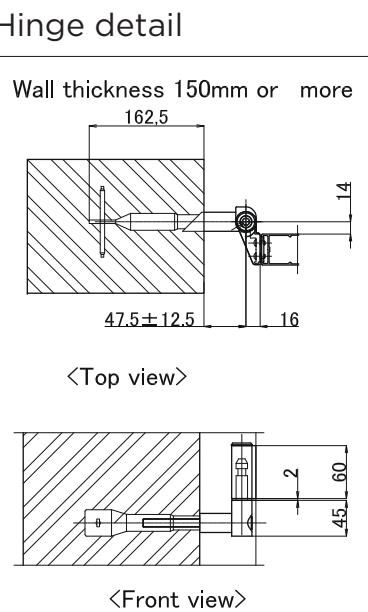
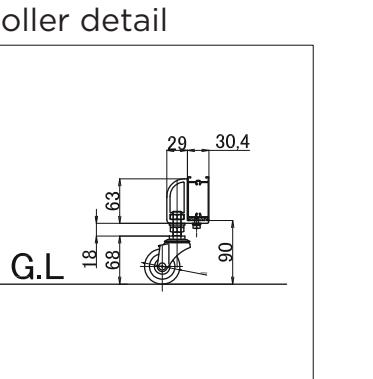
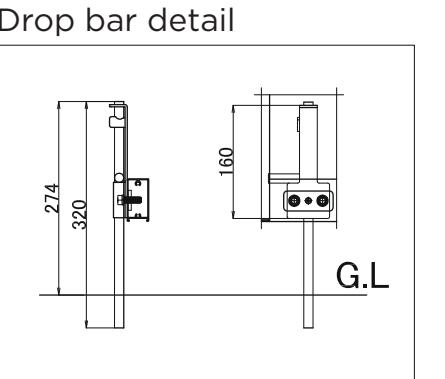
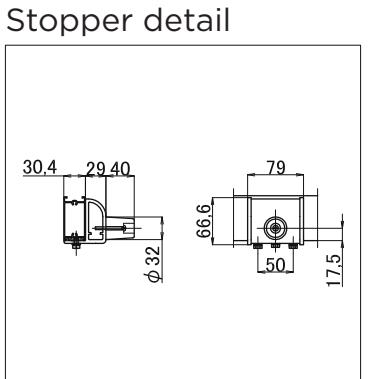
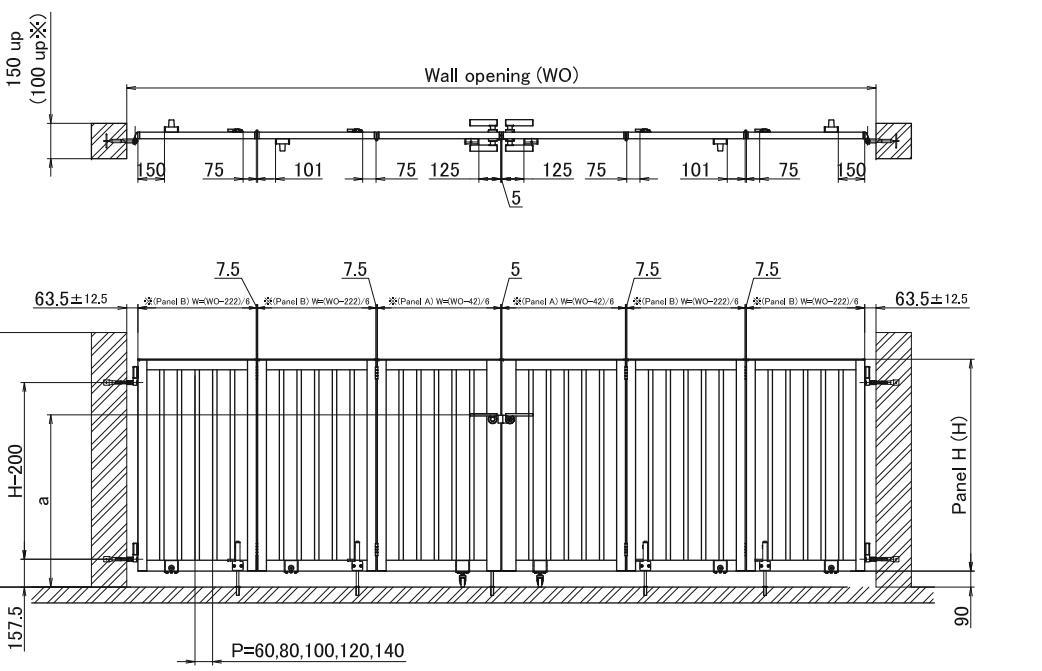
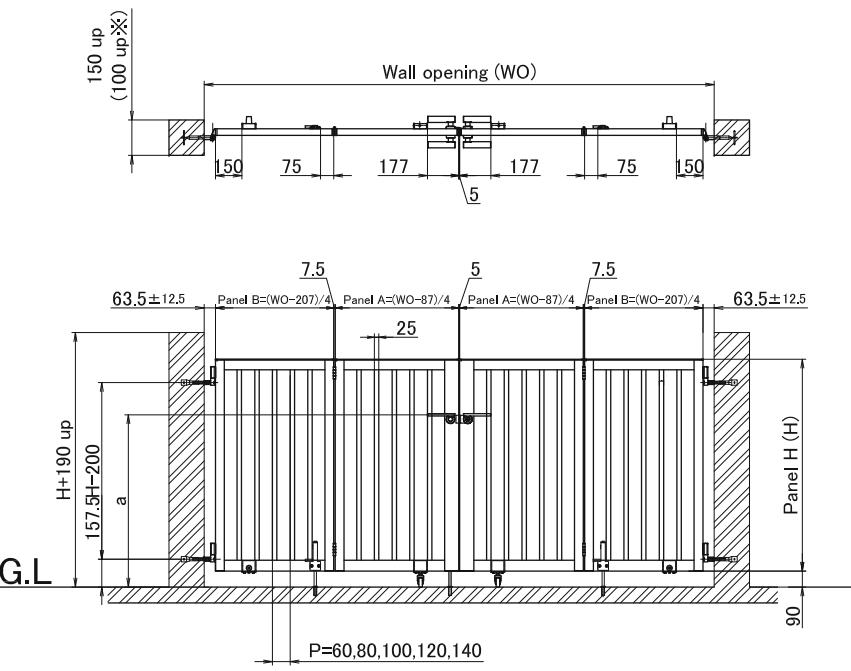
< Double swing >

Dead bolt detail



Dead bolt catch detail







PRIVATE HOUSE

LOCATION : KHON KAEN

MODEL : GRANTS, WE PLUS, P7, GIESTA,
FOLDING DOOR

COLOR : AUTUMN BROWN

CONTACT

LIXIL International, LHT Asia
www.tostem.com



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