

# SLIDING DOOR

**[Standard type]**

SR (Spring system)

SL (Slope system)

KB (Slope system)

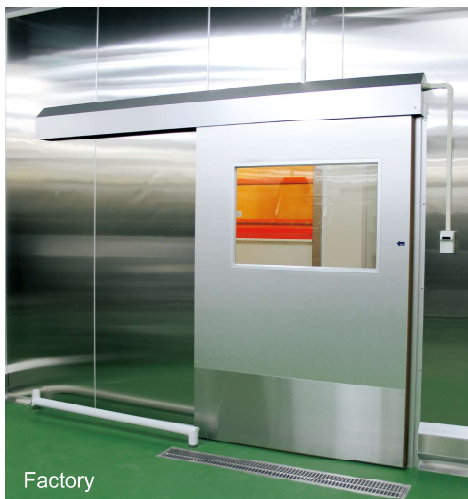
RRB-a (Spring system)

SAT (Spring system)

SAT-nc (Spring system)

**[Linear engine type]**

Automatic door



Factory



Supermarket



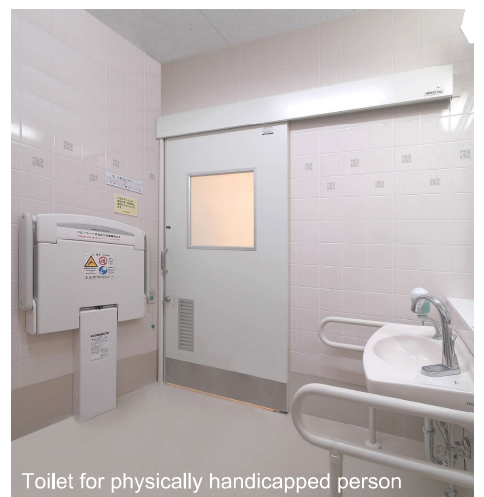
Clinic



Hospital



Clinic



Toilet for physically handicapped person

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**MADE IN JAPAN**

**Superior Function**  
**Smooth traffic**  
**Exceptional durability**

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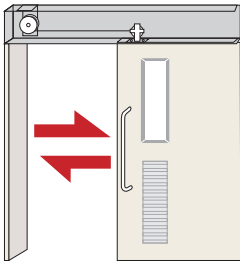
SR

Door Thickness 39 mm



Easy installation standard model

- Simple installation external type
- It can be installed only attaching the rail in the existing opening part.
- Standard design to match a wide variety of scenes.
- It horizontally moves slowly and safely by the spring force.



【Spring system】

The door has a constantly loaded spring at its front and closes automatically by the spring's pulling force. The door ensures its safety as its bottom runs parallel to the floor.

Standard size (Single sliding door)

(mm)						
DW×DH	Effective opening width	W	H	Remaining	Overlap	Window
850×2005	700×2000	810	2000	110	40	340×640
950×2005	800×2000	910	2000	110	40	640×640
1250×2005	1100×2000	1210	2000	110	40	940×640
1350×2005	1200×2000	1310	2000	110	40	940×640
1450×2005	1300×2000	1410	2000	110	40	940×640
1550×2005	1400×2000	1510	2000	110	40	940×640
1650×2005	1500×2000	1610	2000	110	40	940×640

Maximum effective opening size for a Single sliding door : W1500×H2500

Standard size (Double sliding door)

(mm)						
DW×DH	Effective opening width	W	H	Remaining	Overlap	Window
850×2005	1400×2000	1620	2000	110×2	40×2	340×640
950×2005	1600×2000	1820	2000	110×2	40×2	640×640
1250×2005	2200×2000	2420	2000	110×2	40×2	940×640
1350×2005	2400×2000	2620	2000	110×2	40×2	940×640
1450×2005	2600×2000	2820	2000	110×2	40×2	940×640
1550×2005	2800×2000	3020	2000	110×2	40×2	940×640
1650×2005	3000×2000	3220	2000	110×2	40×2	940×640

Maximum effective opening size for a Double sliding door : W3000×H2500

## Installation

Image of basic installation (Single door)

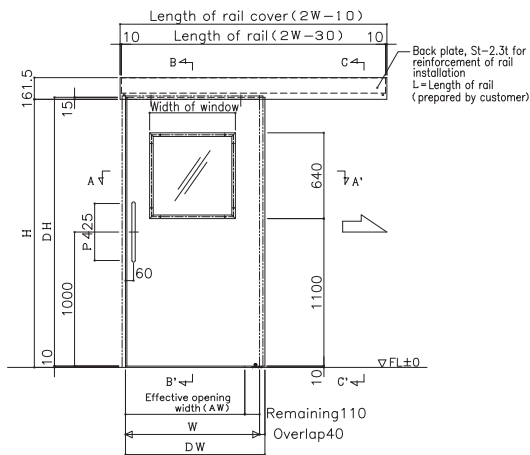
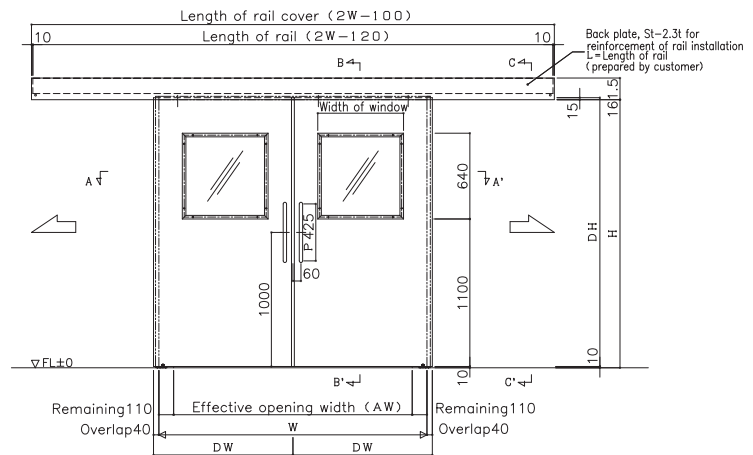
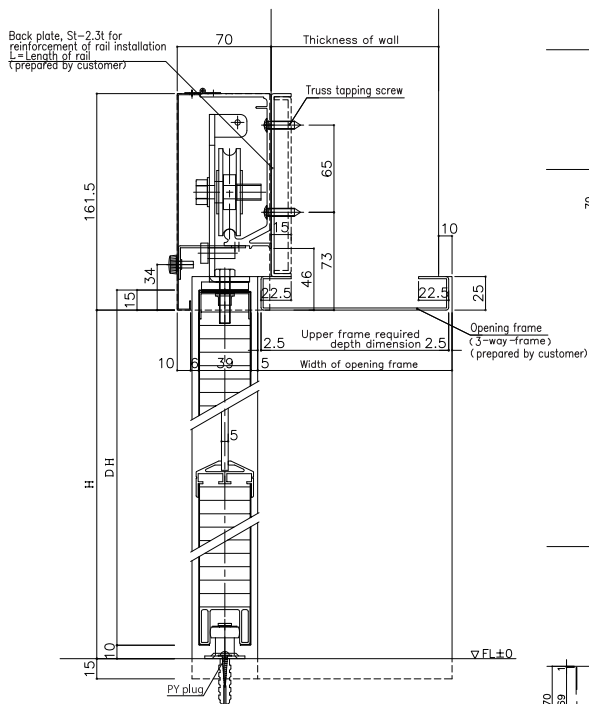


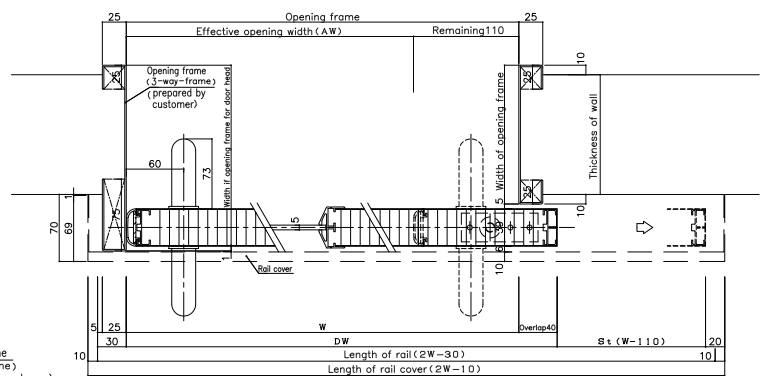
Image of basic installation (Double door)



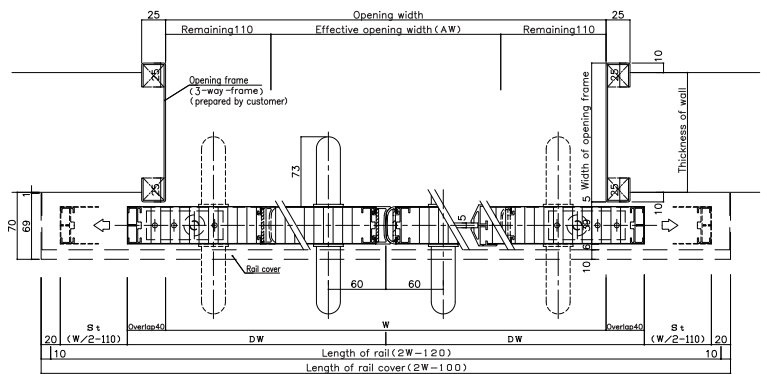
Vertical section (Single door • Double door)



Cross section (Single door)



Cross section (Double door)



\* Reinforcing back plate st-2.3t for rail installing substrate and the opening frame (three-way frame) are to be prepared by customer.



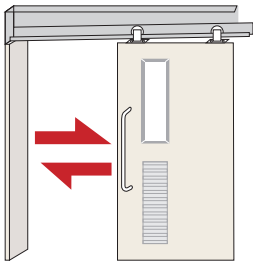
SL

Door Thickness **28** mm



Simple structure, easily maintainable thin and lightweight type

- Easy to use thin and lightweight door as a simple partition.
- It can be installed in a small space because the door thickness is only 28mm.
- The rail on the upper portion of the door is sloped downward so that the door closes by its own weight with a simple structure.
- It is provided with the characteristic of natural operation and stability.



**【Slope system】**

It is possible to deal with a sloped rail system in which the rail on the upper portion of the door is sloped downward so that the door closes due to its own weight.  
It is a thin and lightweight type with a thickness of 28 mm.

Standard size (Single sliding door)

(mm)

DW×DH	Effective opening width	W	H	Remaining	Overlap	Window
685 × 2000	525 × 2000	635	2000	110	50	340 × 640
885 × 2000	725 × 2000	835	2000	110	50	340 × 640
985 × 2000	825 × 2000	935	2000	110	50	640 × 640
1285 × 2000	1125 × 2000	1235	2000	110	50	940 × 640

Maximum effective opening size for a Single sliding door : W1500×H2500

Standard size (Double sliding door)

(mm)

DW×DH	Effective opening width	W	H	Remaining	Overlap	Window
685 × 2000	1050 × 2000	1270	2000	110	50	340 × 640
885 × 2000	1450 × 2000	1670	2000	110	50	340 × 640
985 × 2000	1650 × 2000	1840	2000	110	50	640 × 640
1285 × 2000	2250 × 2000	2470	2000	110	50	940 × 640

Maximum effective opening size for a Double sliding door : W3000×H2500

## Installation

Image of basic installation (Single door)

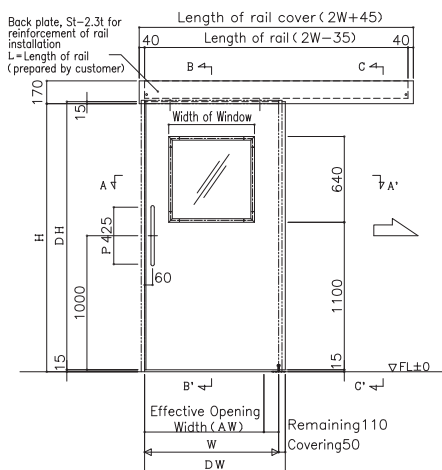
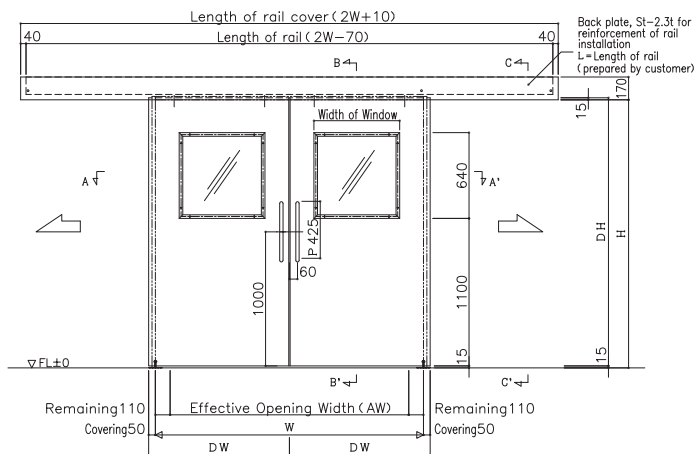
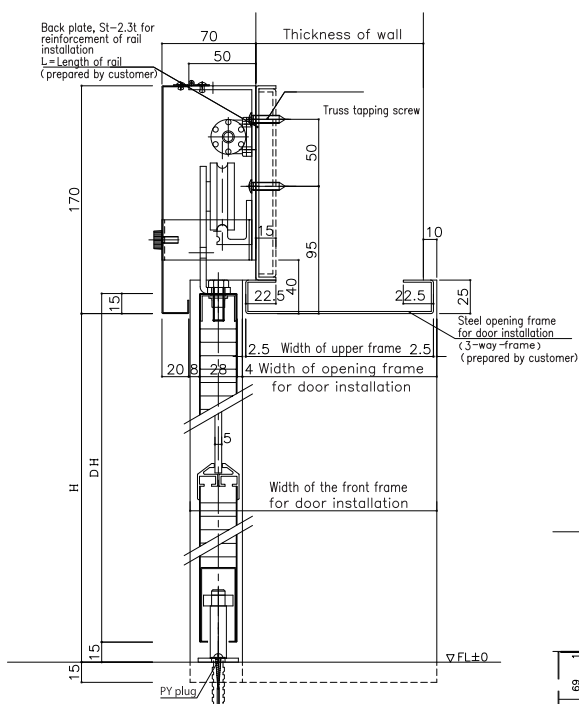


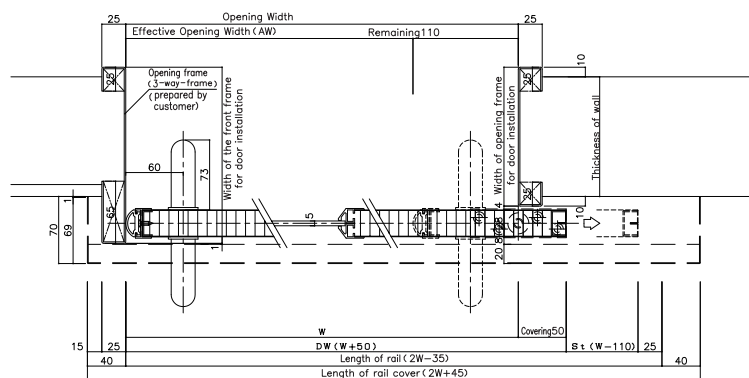
Image of basic installation (Double door)



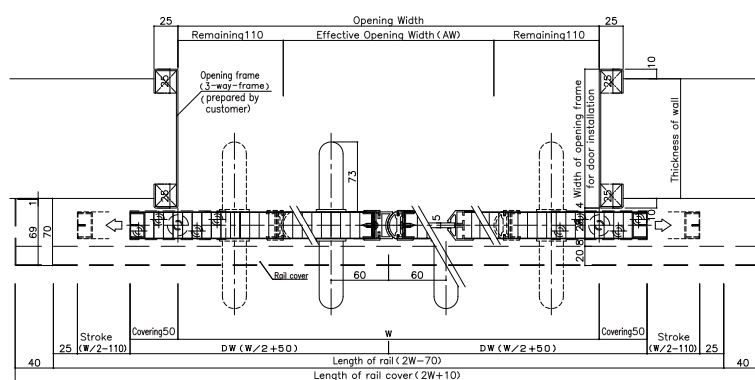
Vertical section (Single door ▪ Double door)



Cross section (Single door)



Cross section (Double door)



\* Reinforcing back plate st-2.3t for rail installing substrate and the opening frame (three-way frame) are to be prepared by customer.

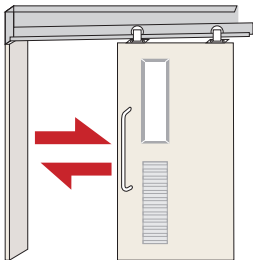
KB

Door Thickness **39** mm



A highly designed type where the door is housed inside the wall

- The door is stored inside the wall for a clean look.
- More efficient use of space.
- Slope type door closes by its own weight. The door can be opened with little effort.



**【Slope system】**

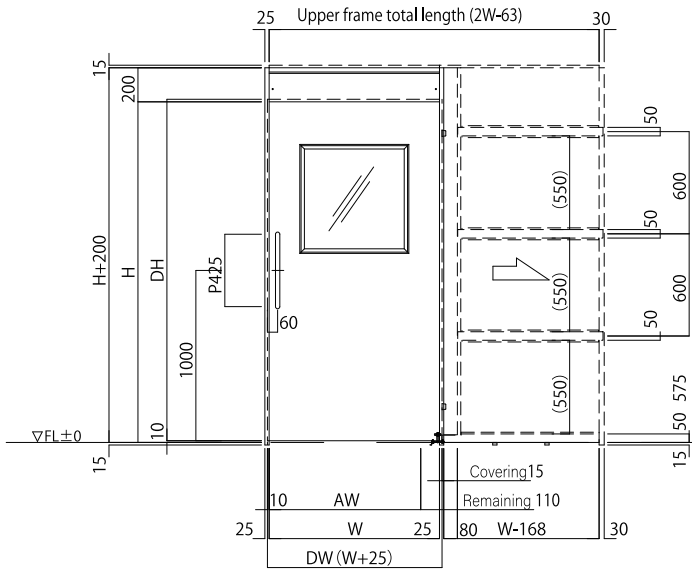
It is possible to deal with a sloped rail system in which the rail on the upper portion of the door is sloped downward so that the door closes due to its own weight.

Dimentions (indoor use only)		
	(mm)	
	Single sliding door	Double sliding door
Opening Width	$710 \leq W \leq 1610$	$1420 \leq W \leq 3220$
Opening Height	$1200 \leq H \leq 2500$	

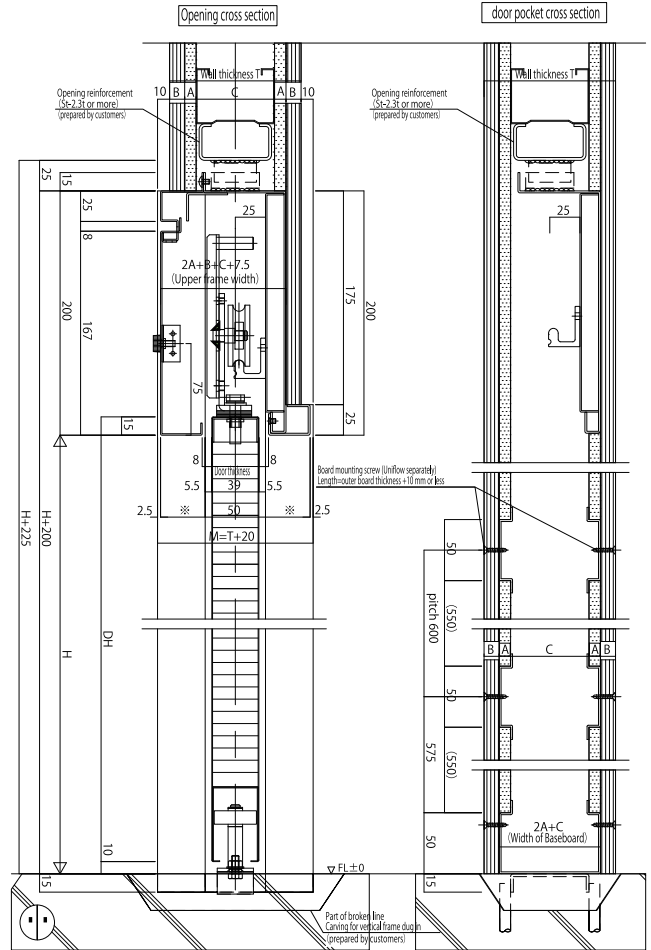
Standard window size (outer dimension)		
(mm)		
Door Width (DW)	Width	Height
$DW < 940$	340	640
$940 \leq DW < 1240$	640	640
$1240 \leq DW$	940	640

## Installation

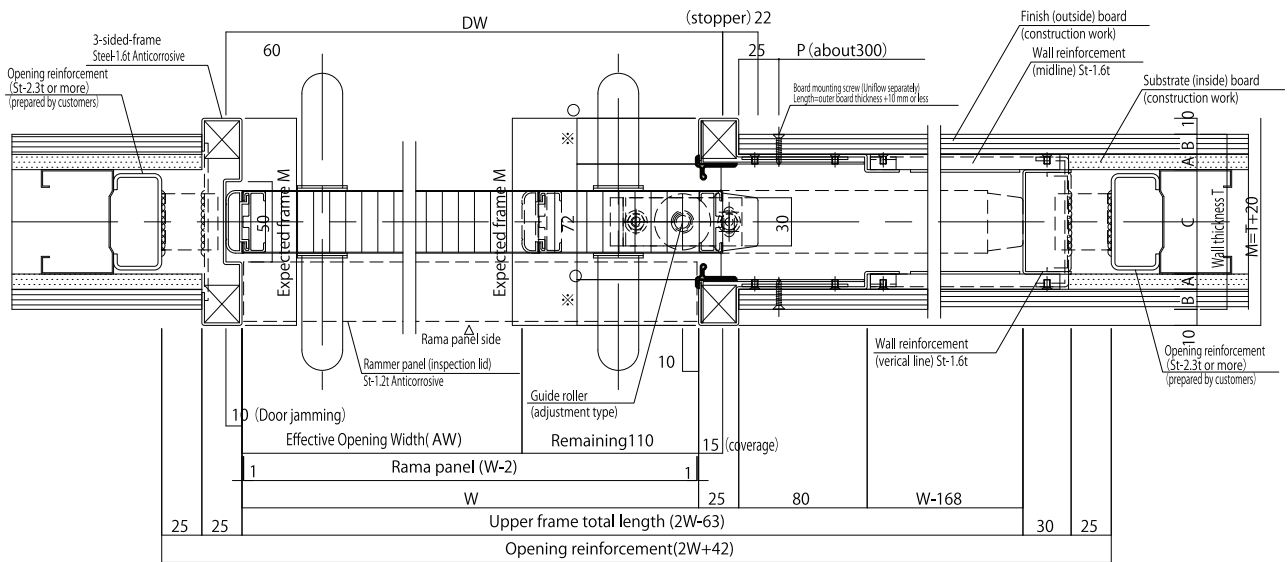
Image of basic installation (Single door)



Vertical section (Single door)



Cross section (Single door)





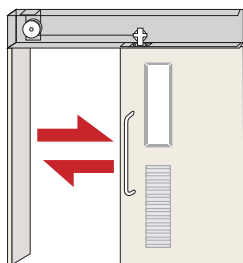
## RRB-a

Door  
Thickness **39** mm



Opening width for two doors with storage space for only one.

- When one door is pulled, the other one opens smoothly.
- Quiet and smooth self-locking mechanism.
- Door thickness 39 mm with a profound feeling.



### 【Spring system】

The door has a constantly loaded spring at its front and closes automatically by the spring's pulling force. The door ensures its safety as its bottom runs parallel to the floor.

Dimensions (indoor use only)

	Single sliding door	Double sliding door
Opening Width	$710 \leq W \leq 1610$	$1420 \leq W \leq 3220$
Opening Height	$1200 \leq H \leq 2500$	

(mm)

Standard window size (outer dimension)

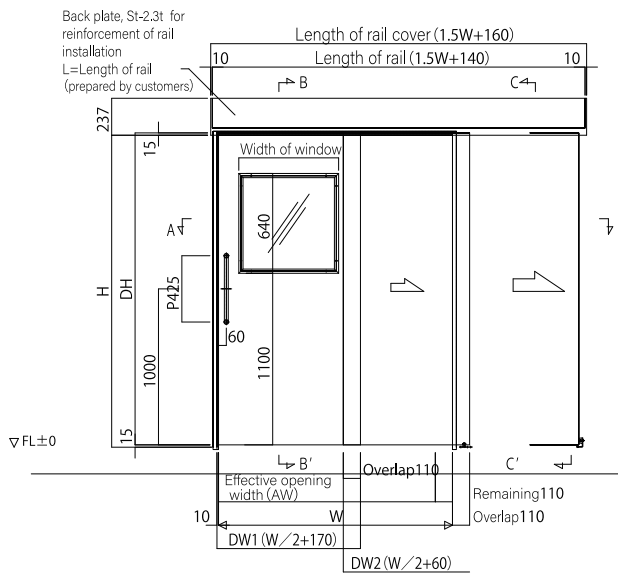
Door Width (DW)	Width	Height
$DW < 940$	340	640
$940 \leq DW < 1240$	640	640
$1240 \leq DW$	940	640

(mm)

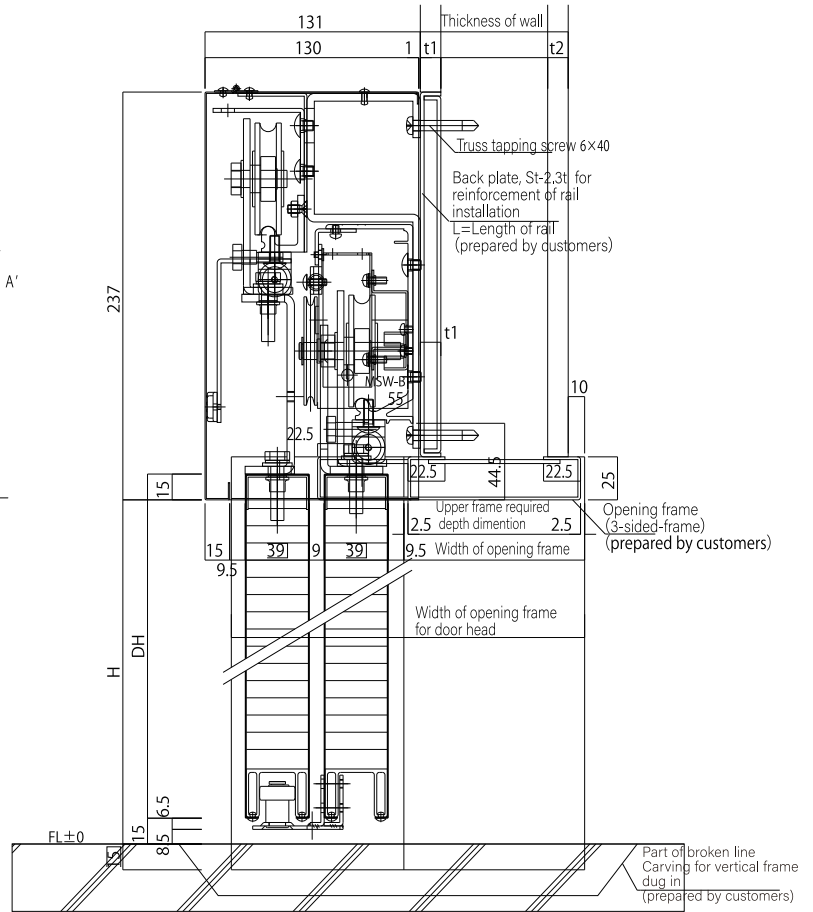


## Installation

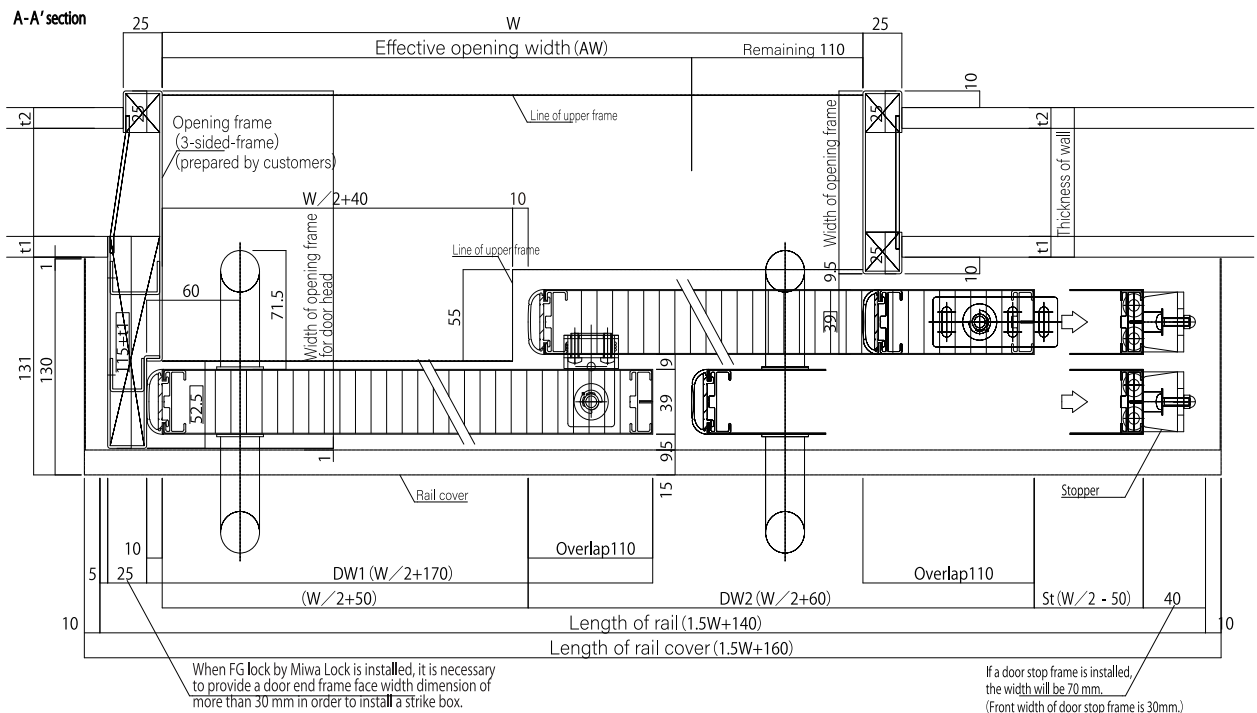
### Image of basic installation (Single door)



### Vertical section (Single door • Double door)



### Cross section (Single door)



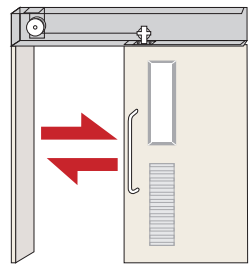
SAT

Door Thickness **39** mm



Semi-airtight door which realized excellent performance and cost performance.

- The packing at the bottom of the door and the gasket on the frame side realize high airtightness.
- Semi-airtight door equivalent to JIS grade A-3.
- Easily installed on existing walls.



**【Spring system】**

The door has a constantly loaded spring at its front and closes automatically by the spring's pulling force. The door ensures its safety as its bottom runs parallel to the floor.

Dimentions (indoor use only)		
	Single sliding door	Double sliding door
Opening Width	$710 \leq W \leq 1610$	$1420 \leq W \leq 3220$
Opening Height	$1200 \leq H \leq 2500$	

Standard window size (outer dimension)		
Door Width (DW)	Width	Height
$DW < 940$	340	640
$940 \leq DW < 1240$	640	640
$1240 \leq DW$	940	640

## Installation

Image of basic installation (Single door)

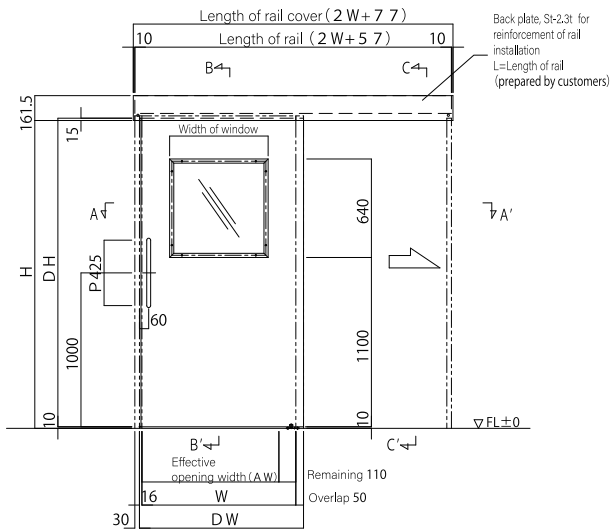
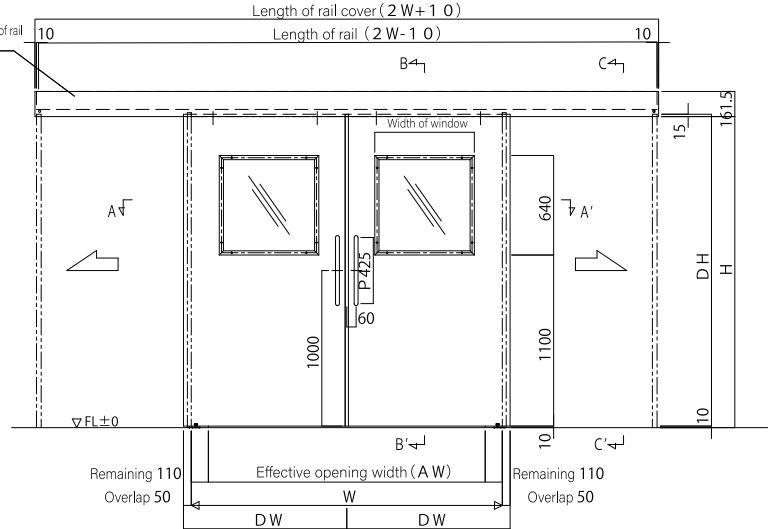
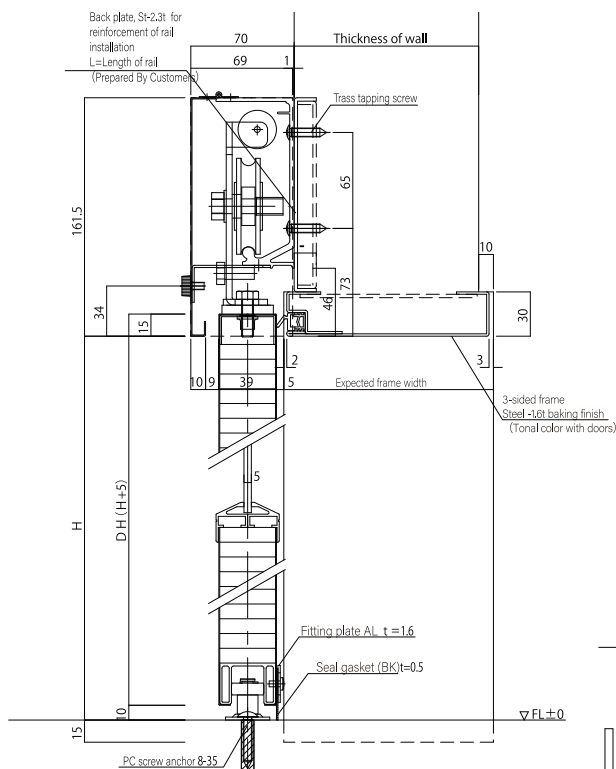


Image of basic installation (Double door)

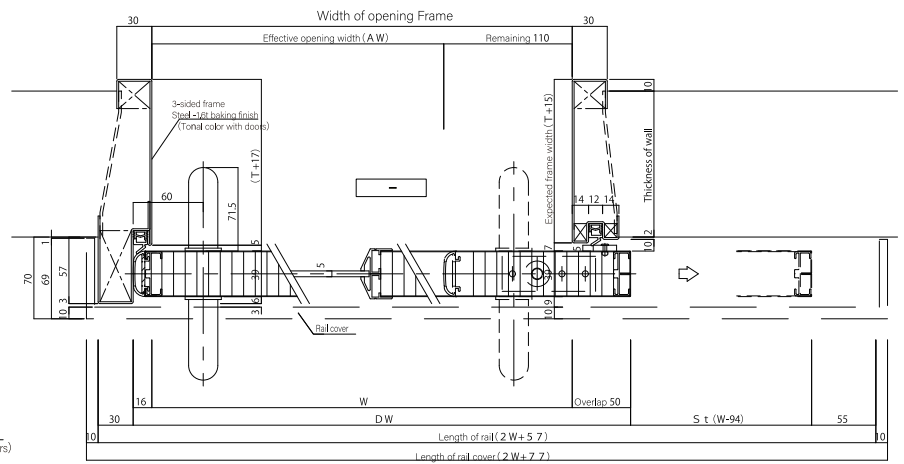


Vertical section (Single door • Double door)

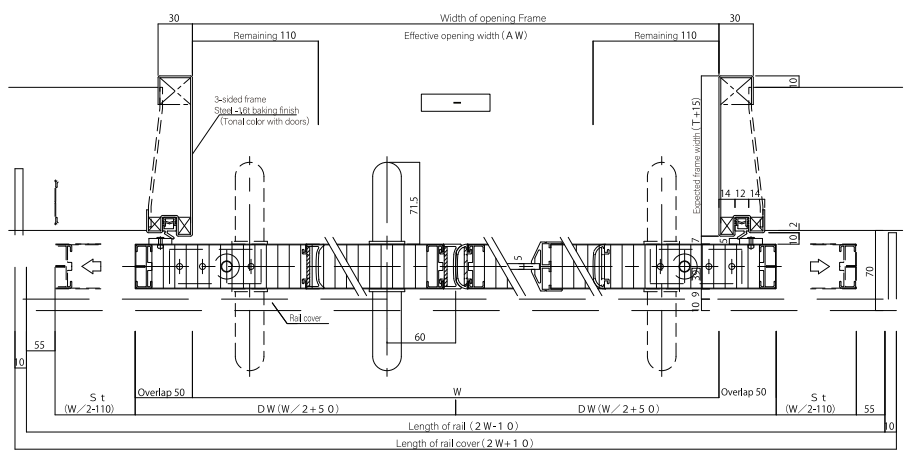
### B-B' section



Cross section (Single door)



Cross section (Double door)



## SAT-nc

Door  
Thickness **42** mm



### Tightly sealed, reduces condensation.

Condensation is a factor that can lead to the development of insects and mold. Partitions are becoming increasingly important to prevent condensation.

- The structure is highly insulated and prevents condensation from forming on the door in the 10-15°C range(\*). Reduced condensation prevents insect and mold growth and reduces cleaning time.
- Dew-proof effect can be expected with doublepaned acrylic windows that reduce the temperature difference between inside and outside.
- The surface material is stainless steel, which has low thermal conductivity and is resistant to rust.

#### Comparison of thermal conductivity (W/m · °C)

Polystyrene Foam 0.42 [SAT-nc]

Steel:43 / Glass : 1 / Glass wool:0.047

\*In an environment with a temperature of 10°C-25°C

#### Dimensions (indoor use only)

(mm)

	Single sliding door	Double sliding door
Opening Width	$600 \leq W \leq 1500$	Not available
Opening Height	$1800 \leq H \leq 2500$	

#### Standard window size (outer dimension)

(mm)

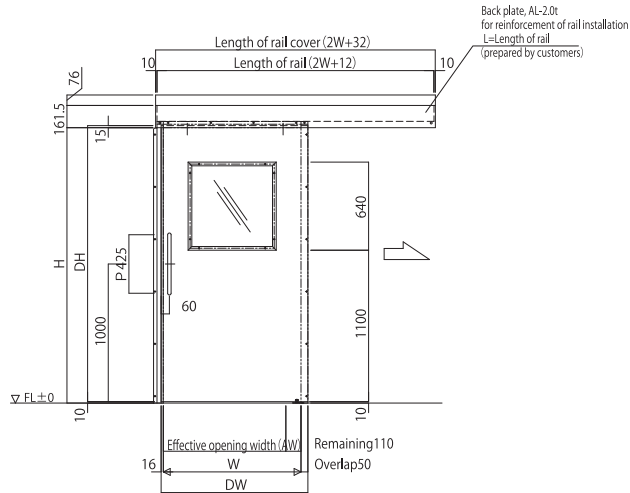
Door Width (DW)	Width	Height
$776 \leq DW < 940$	340	640
$940 \leq DW < 1240$	640	
$1240 \leq DW \leq 1676$	940	

\*Install the rail with the opposite side facing the cold side. If not installed correctly, the condensation reduction performance will not be achieved.

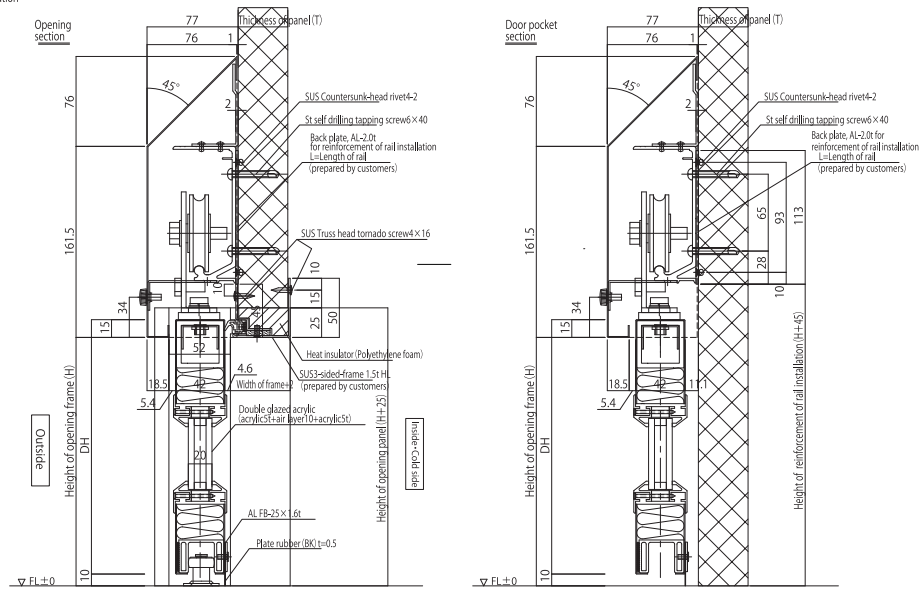


## Installation

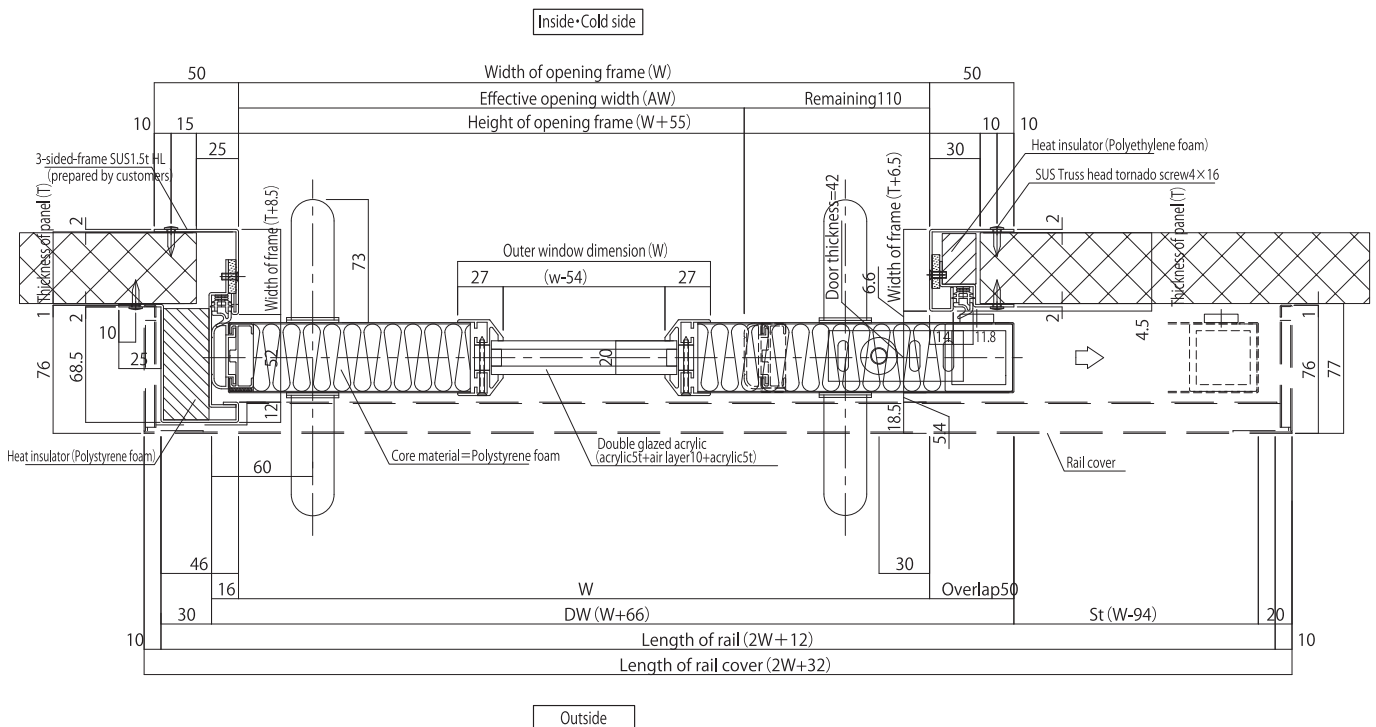
### Image of basic installation (Single door)



### Vertical section (Single door)



### Cross section (Single door)



# Automatic Door

Door Thickness **39** mm



Linear door can realize a sanitary and quiet working environment.

- It is sanitary because it is accessible without touching it. It is most suitable for food factories compliant with HACCP.
- Required lubrication for a belt type automatic door is not necessary and easy in maintenance.
- As an option, activating by a sensor, or interlocking with external equipment is available.

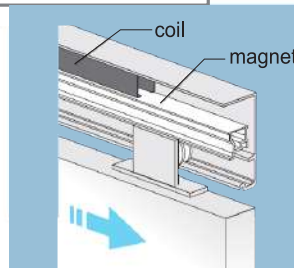
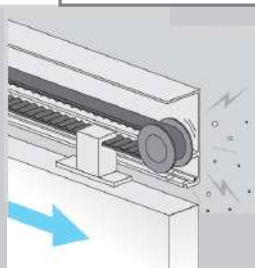
## Function List

Functions	Automatic specification	Details
Assist function	Standard	The door is manually activated by moving it about 2cm.
Safety Stop	Standard	The door is stopped for safety when pinching is continued twice at the same position.
Sliding door synchronization	Standard	The sliding door is constituted by using 2 engines.
Fitting of electric lock	Option	Unlocking type during power failure (electricity synchronization)

## Operation principle

### Conventional engine

A belt and a door are connected and it opens and closes by rotating motor to drive a belt. There are many places where friction is generated.

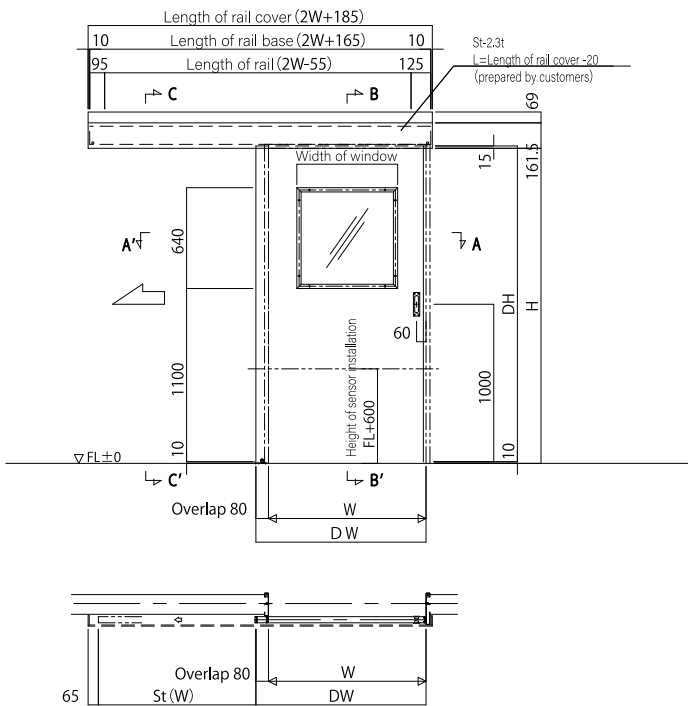


### Linear Engine

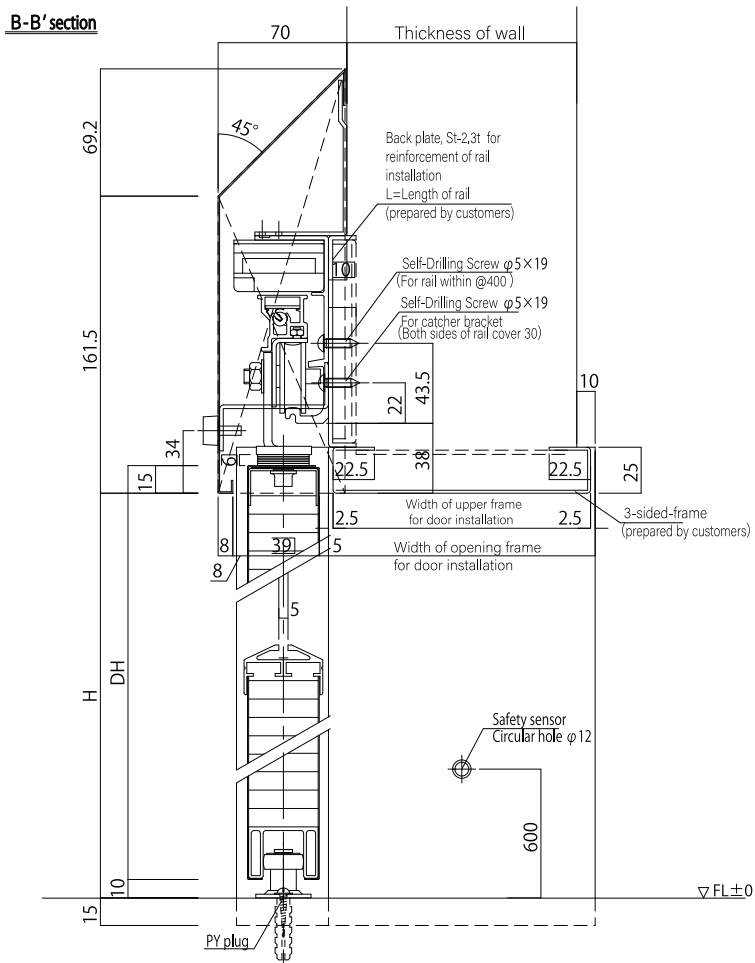
A magnet and a coil (electromagnet) which are connected to a door are contactless. It opens and closes by the magnetic attraction • repulsive force between the magnet and the coil. There are less places where friction is generated.

## Installation

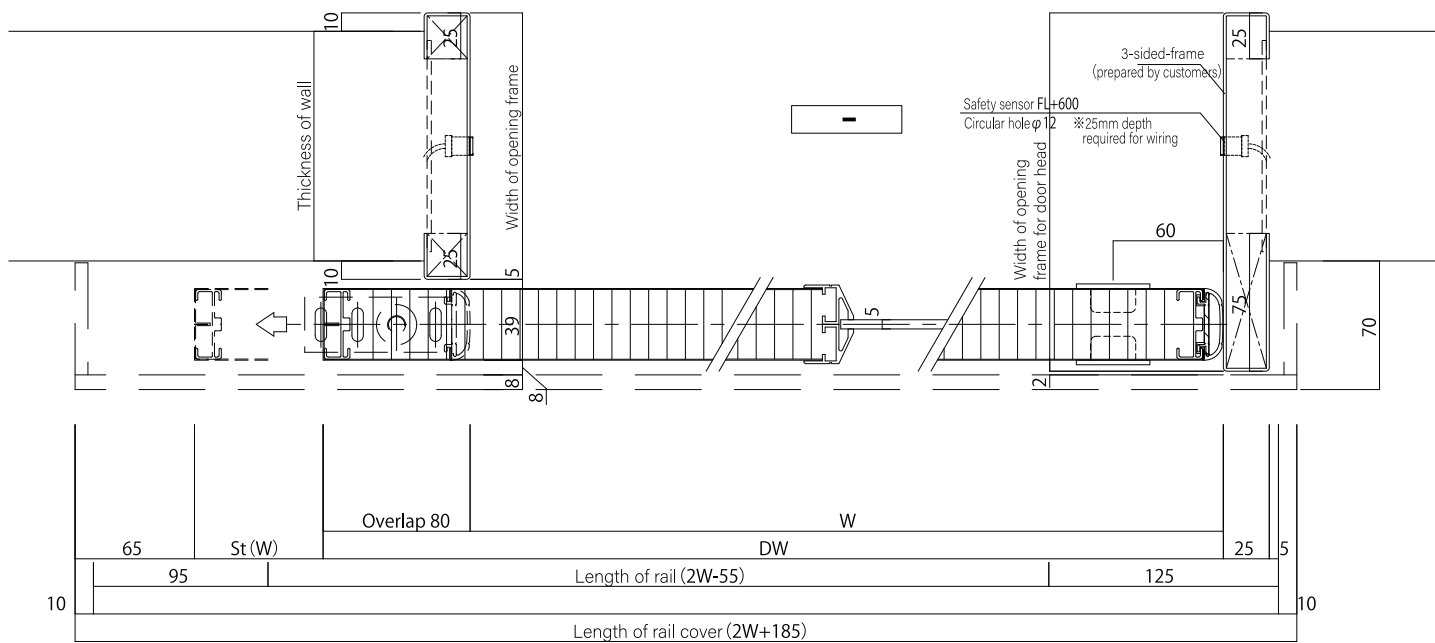
### Image of basic installation



### Vertical section (Single door)



**Cross section** (Single door)



# Automatic closing mechanism without using electric power and particular about convenience and safety.

Automatic closing door which is able to cut out the need for closing. It improves flow of people and work efficiency, reduces a load of elderly people and wheel chair users. The door is also engineered to close slowly as to ensure safety, widely active at the places such as factory, supermarket, convenience store, hospital, clinic, school and public facilities.

## ■Open and close lightly and calmly\*

It can be opened just by lightly pulling it. Due to 3-point support mechanism with a special bearing attaching pulley and a guide roller, it closes calmly without rattling.

\*Opening operation force : about 5.4 newton (in the case of the effective opening is 1200mm)

## ■Convenient automatic closing function

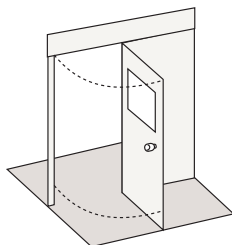
Without using a motor, it closes automatically slowly and calmly after passing through by 2 types of system which are spring system and slope system.

## ■Flat floor without ruggedness

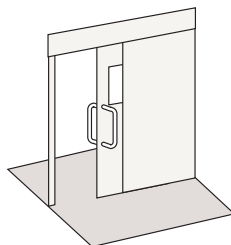
It requires no rails or grooves on the floor because the door is hanged at the top. It does not obstruct the passage of carts, wheelchairs or beds nor accumulate dust and dirt in the groove, so that it is sanitary.

## ■Effective utilization of a space

Unlike hinged doors, not only they provide more usable space, SLIDING DOORS effectively utilize a space.



Hinged door



SLIDING DOOR

## ■Speed adjustment by air brake

An air brake operates just before a door closes and it allows a door to stand still slowly.

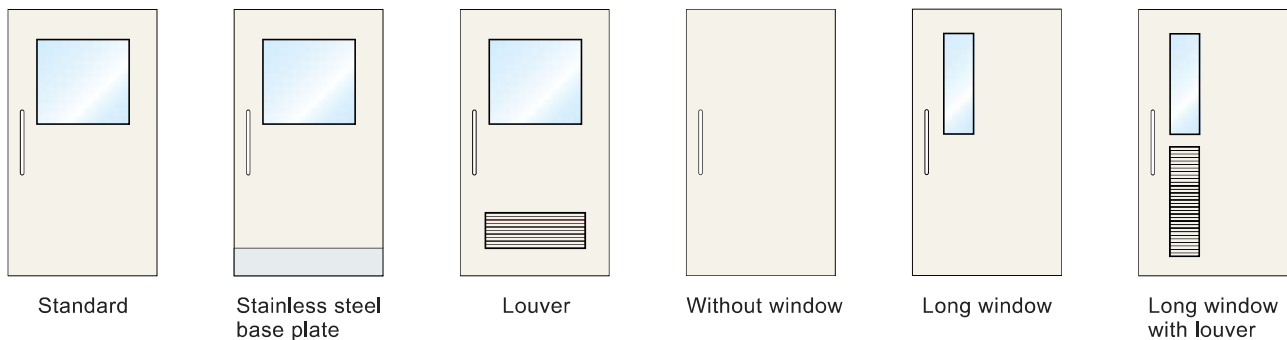


## ■Hold-open mechanism

When opening a door, it can maintain the fully opened state by pushing it into a door tail side.



## Rich variations



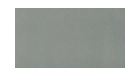
A door panel itself for automatic door is possible to purchase, however its engine is not included.

## Surface material

You can select from a great variety of surface materials including aluminum, stainless steel and colored steel sheets.



Aluminum

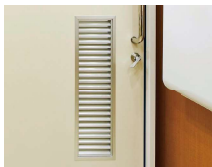


Stainless steel



Colored steel plate  
(Standard color:  
Ivory)

## Options



### Louver (mound-shaped)

It allows ventilation while providing privacy and sufficiently cutting out light.



### Stainless steel kick plate

It can be installed to protect surface of the door.



### Acrylic Window (Smoked)

It provides privacy but allows silhouettes and light through.



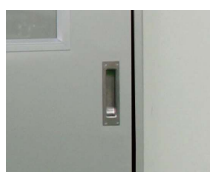
### Lock indicator

This is Uniflow's original design, in which visibility is enhanced by enlarged characters and a window.



### Door head rubber cushion

It is designed to touch the door frame directly, so that it is not necessary to install a door stop frame.



### Recessed handle

Please feel free to contact us for other type of pulls.



### HACCP cover

Upper part slopes down so it does not accumulate dust and has shape to be easily cleaned.

## CLOSER for self-closing SLIDING DOOR

No electric power is used and it automatically closes slowly and quietly after passing through. It enhances staff's efficiency because it is possible to cut out the need for closing.  
(CLOSER can also be purchased separately.)



## Other products by UNIFLOW



### SWING DOOR

It opens with a light touch of a finger, and closes itself using its own weight. It is exceptionally durable and easy to perform maintenance. It is our long-seller product because the functionality makes it a perfect applications in every scene and responds to user's various needs.



### SMOOTHER

Pipe-type high-speed roll-up door "SMOOTHER" is suitable for service entrance at a store or carry-in entrance inside of a factory where receives the wind from outside.



### JETTER

Pipe-less high-speed roll-up door "JETTER" is having automatic sheet recovery and reverse ascending functions. Indoor use is recommended and it is suitable for the place where people enter/exit frequently.



### SLIT CURTAIN

Installing it at an entrance of a factory or a store or at a logistic facility as a partition prevents the outside air from entering and reduces energy loss. It provides excellent effects on wind break, dust proof, insect proof, sound insulation and energy efficiency.

## UNIFLOW

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URL <https://www.uniflow.co.jp/en/>