

Installation Manual
5 Railed Sliding Glass System

Dear Customer,

Installation manual contains suggestions and rules for fast and exact installation of our product. We recommend you to read our instruction carefully.

During installation all necessary actions have to be carried out by authorized and specialized technicians.

All unauthorized interventions during warranty period will invalidate the warranty.

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1. SYMBOLS, PRECAUTIONS AND WARNINGS

1.1. Symbols



Attention: General operation notes.



Attention: General hazards; possible risk for persons.



Attention: Electrical hazard.



Attention: Risk of crushing hands.



Contact: Palmiye service department or related parties.



You can scan the barcodes located at the bottom of the page to see video demonstration of the related steps.

1.2. Precautions and Warnings

The installation and maintenance personnel (installers, electricians etc.) must have sufficient expertise and knowledge for undertaking the task at hand.



In case of anomalies, immediately stop the work and contact service department of Palmiye.

Palmiye will not be responsible on use of non-original parts or unauthorized interventions and modifications for damage caused to people or animals or property.

General Precautions

Before starting of any assembly, maintenance or cleaning operations, make sure that you have fully understood the indications in this manual.

All electrical connections for 5 Railed Sliding Glass System, installation of automation accessories must be made by qualified personnel.



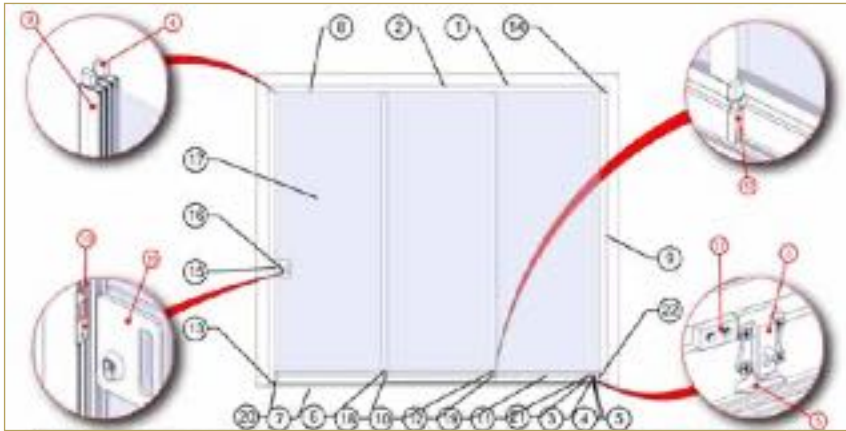
In case of any incompatibility, call Palmiye.

General Safety Precautions

When using the carrier, it is good practice to remember that all moving parts can be a source of danger.

It is recommended never to intervene on moving parts and to ensure that no operator is near to the panel before reactivating it after a technical or maintenance intervention.

2. TERMINOLOGY





BOM ID	Description	Qty
1	Structure	1
2	M4,8x25mm Self-drilling Screw	9
3	Middle Lock Set	1
4	Middle Lock Set (Pin)	1
5	Inner Lock House	1
6	Panel Middle Profile	3
7	Bottom Rail	1
8	Top Rail	1
9	Vertical Glass Panel House	2
10	Panel Middle Profile	1
11	Stopper	1
12	Right Sliding Panel End Cap	4
13	Corner Connector - Bottom	2
14	3 Track Corner Joint Set	4
15	HTP Lock Housing	1
16	HTP Lock	1
17	Glass Panel	3
18	Ø3mm Screw	18
19	Panel Joint Profile	3
20	Bottom Rail Slat	3
21	Wheel Set	6
22	End Cap	2


3. PACKAGING


3.1. Preliminary Checks

On receipt of the packed goods and before starting their assembly, check the integrity of the material and the presence of all the components necessary for the installation.

 In case of anomalies, immediately stop the work and contact with hospital.

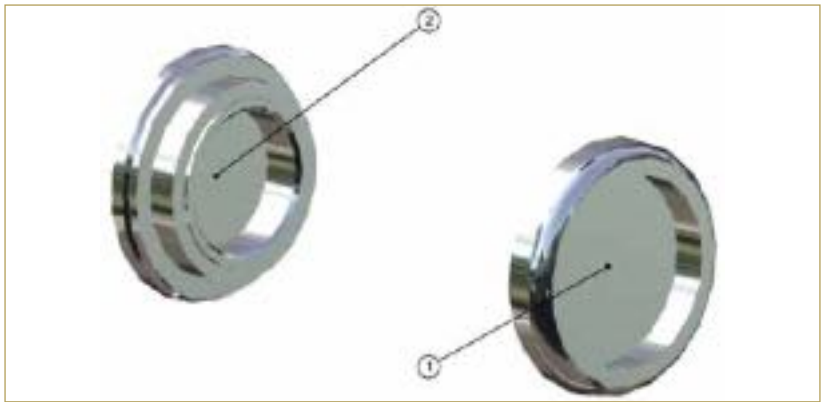
 Fixing elements such as screws, plugs etc. are included on the box.

 If not please contact service department of Palmiye.

 Do not use a knife to avoid the risk of ruining the paint or other materials.

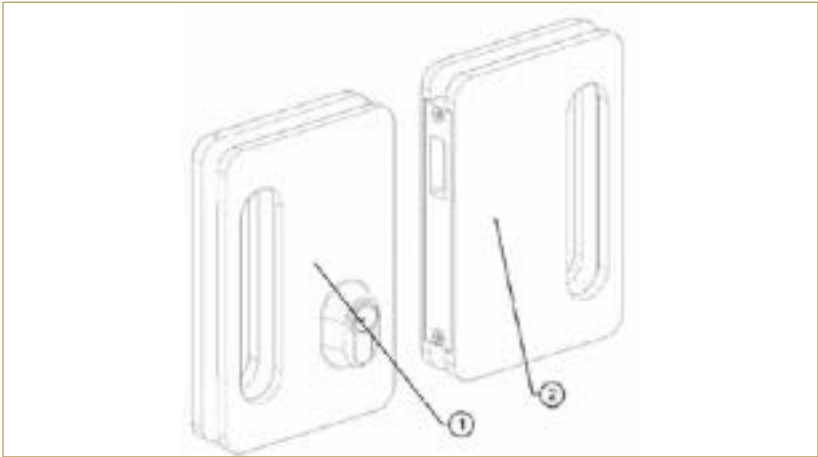
3.2. Packed Parts

3.2.1. Handle Door



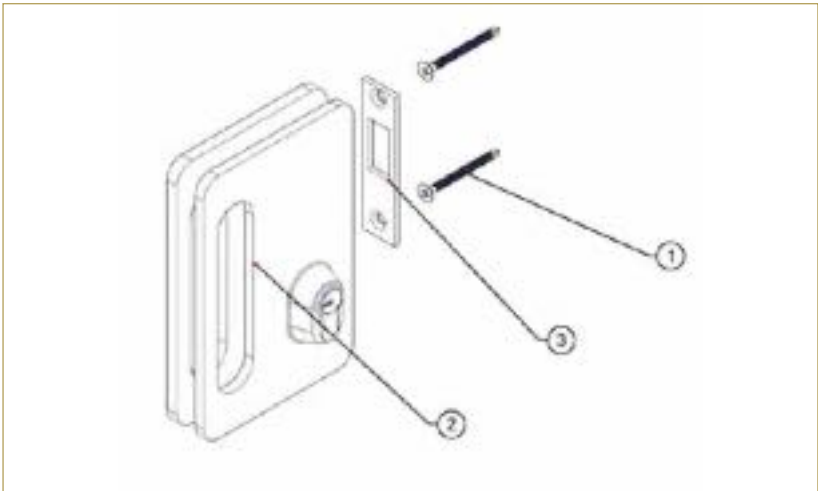
BOM ID	Description	Qty
1	Door Handle	1
2	Door Handle (House)	1

3.2.2. HTP lock set (both direction)



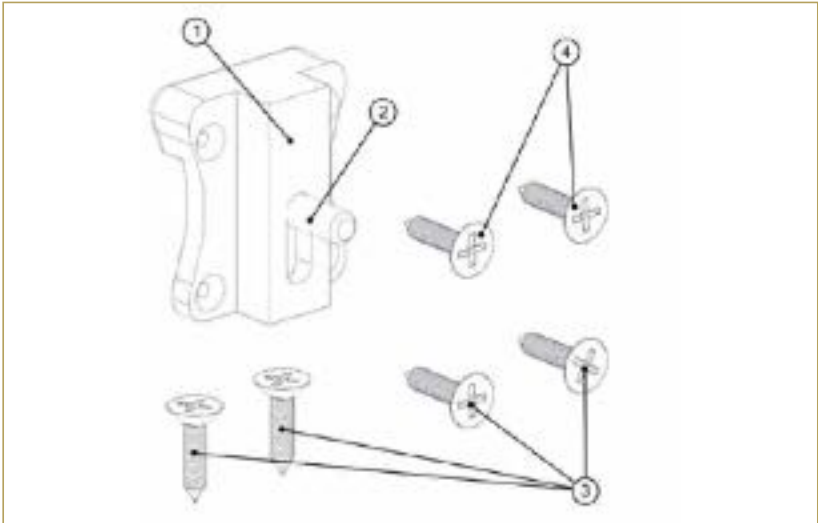
BOM ID	Description	Qty
1	HTP Lock	1
2	HTP Lock House	1

3.2.3. HTP Lock Set (One Direction)



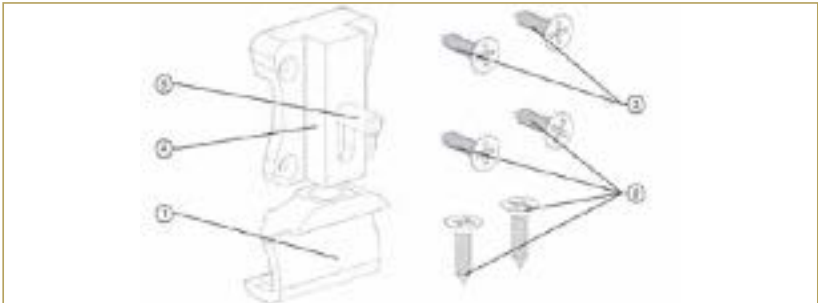
BOM ID	Description	Qty
1	4,8x50 Self Tapping Screw	2
2	HTP Lock	1
3	HTP Lock House	1

3.2.4. First Glass Panel Lock Set



BOM ID	Description	Qty
1	Middle Lock Set	1
2	Middle Lock Set (Pin)	1
3	M3,9x16mm Lag Screw	4
4	M3,9x38mm Lag Screw	2

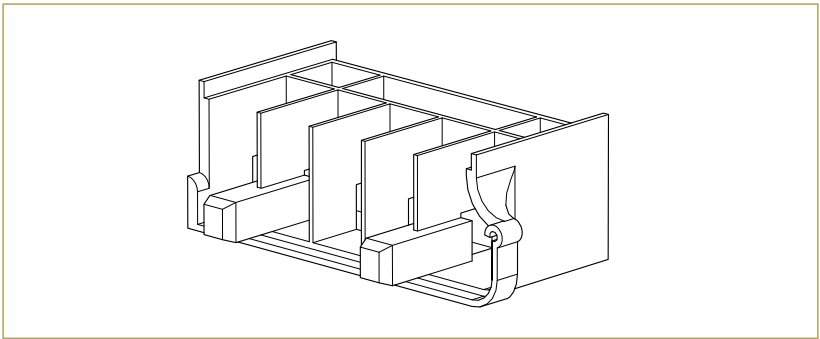
3.2.5. Last Glass Panel Lock Set



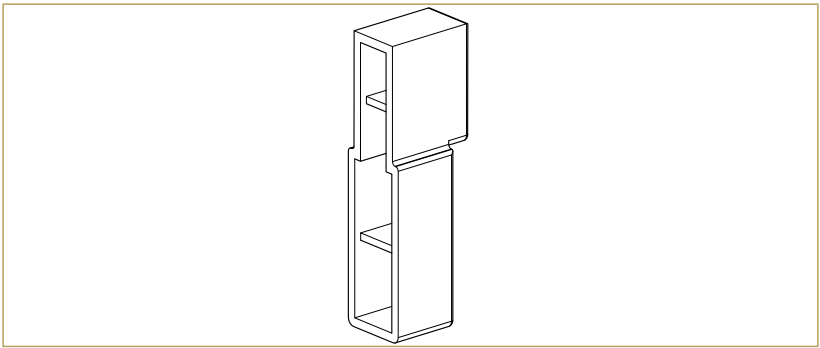
BOM ID	Description	Qty
1	Pin Lock House	1
2	M3,9x16mm Lag Screw	4
3	M3,9x38mm Lag Screw	2
4	Middle Lock Set	1
5	Middle Lock Set (Pin)	1

3.2.6. Plastic Sets

Corner Connector (2 pcs.)

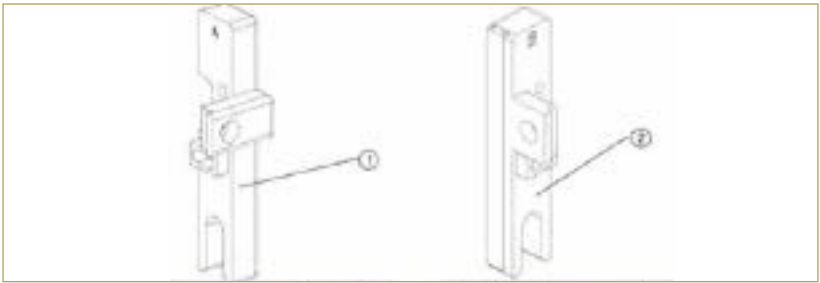


3.2.7. Track Corner Joint Set (6 Pcs.)



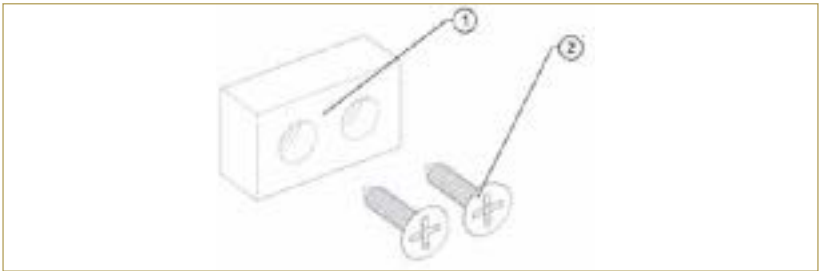
3.2.8. Sliding End Cap

Left Sliding (A) End Cap & Right Sliding (B) End Cap



BOM ID	Description	Qty
1	Left Sliding (A) End Cap	4
2	Right Sliding (B) End Cap	4

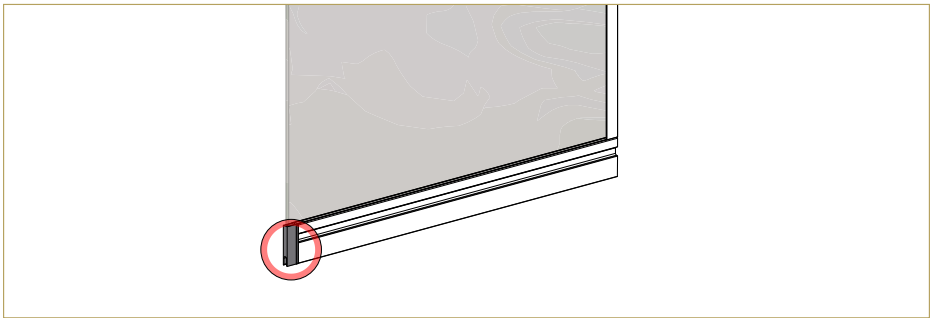
3.2.9. Stopper Set



BOM ID	Description	Qty
1	Stopper	1
2	M3,9x16mm Lag Screw	2

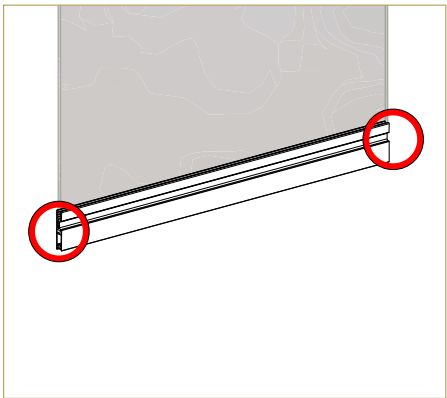
3.2.10. 3rd (Outer) glass panel

There is only one side end cap placed.



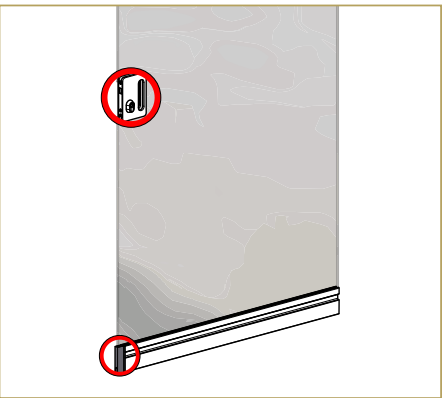
3.2.11. 2nd (Middle) glass panel

There is no anything on both side are



3.2.12. 1st (Inner) glass panel

There is only one side end cap placed and also handle.



3.2.13. Boxes

1. Plastic Box

Some plastic brackets, cover plastics, end cap plastics. It has a yellow label on the box.



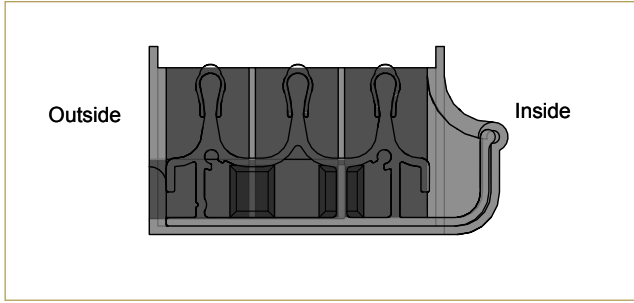
4. INSTALLATION STEPS



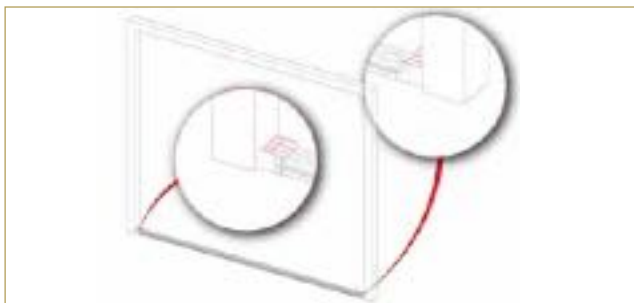
4.1. Structure Installation

4.1.1. Bottom rail profile placing

Check the vertical and horizontal dimension and cross dimensions.

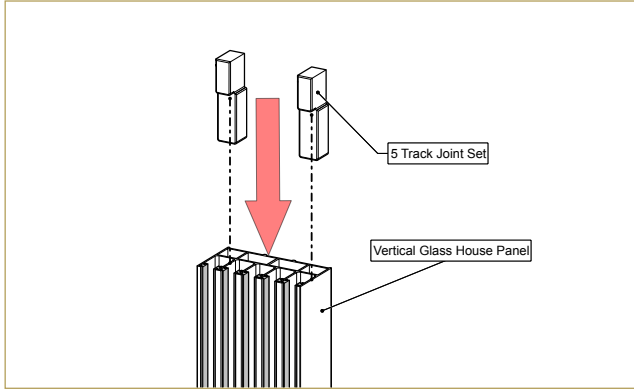


The bottom rail profile must be placed center of the structure on ground.



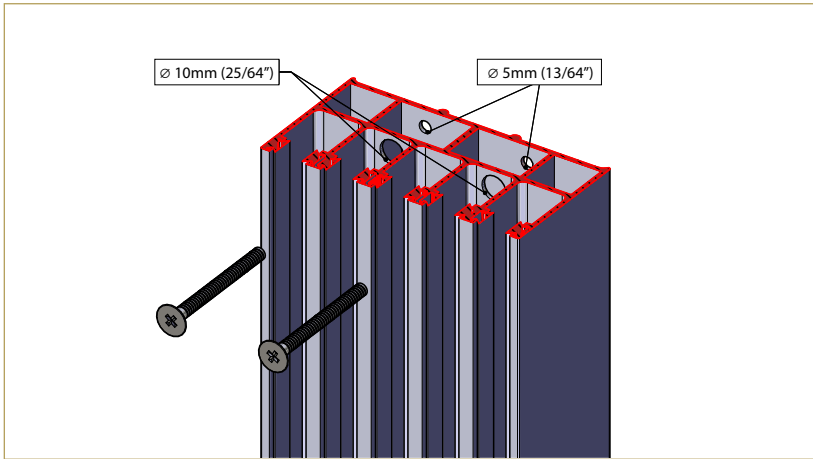
4.1.2. 3 Track corner joint plastic placing

3 Track corner joint plastic must be place inside of the vertical glass panel house profile.



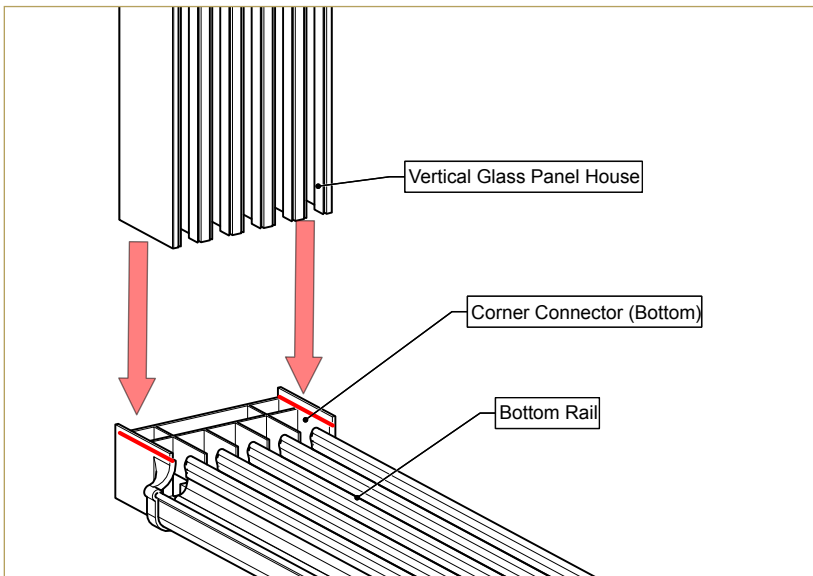
4.1.3. Vertical / Top profiles

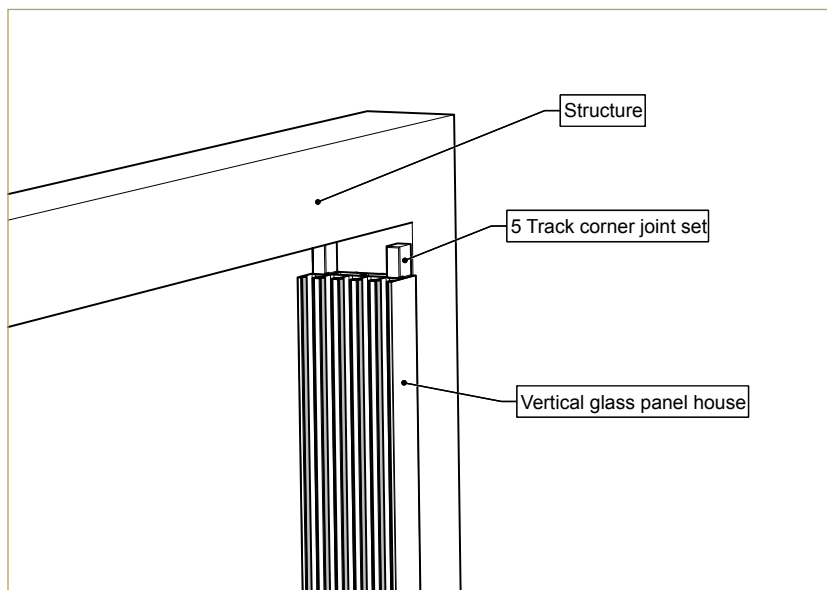
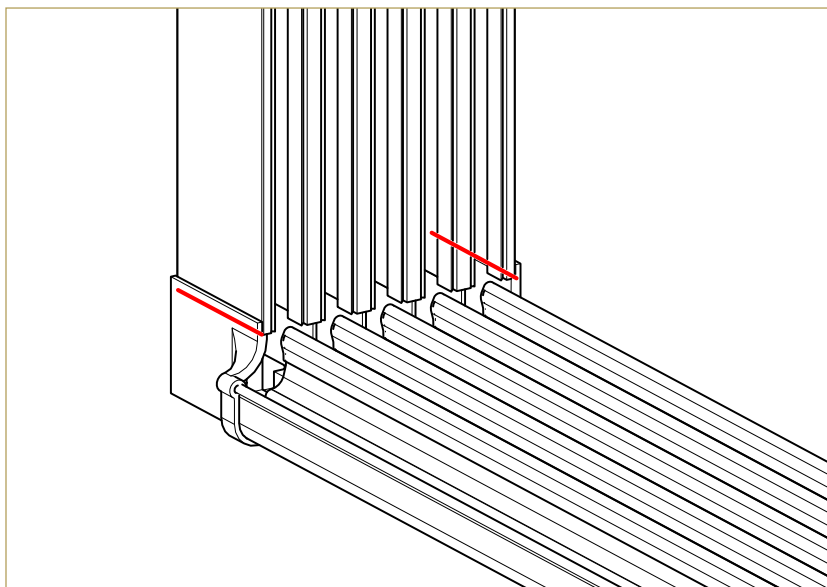
Before placing of these profiles. The fixing holes have to be open on ground as you see at below. There should be one screw in each 50cm (20").



4.1.4. Vertical Profile placing

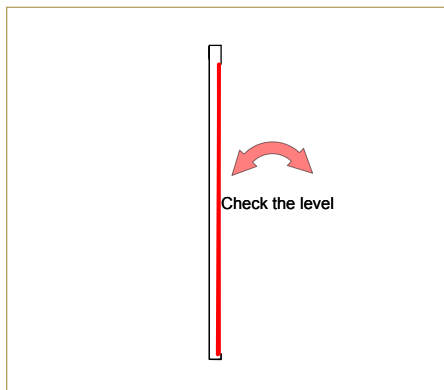
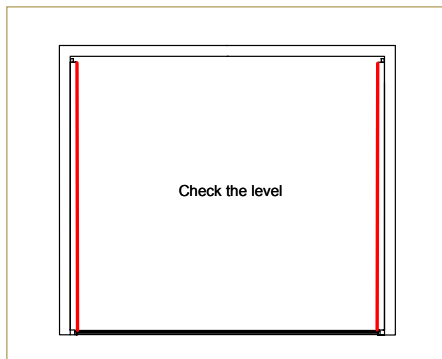
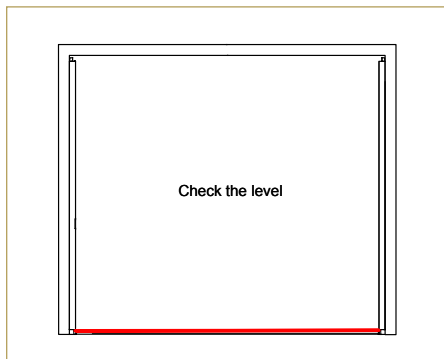
Vertical profile has to place to channeled corner connector part on top.





4.1.5. Check the levels

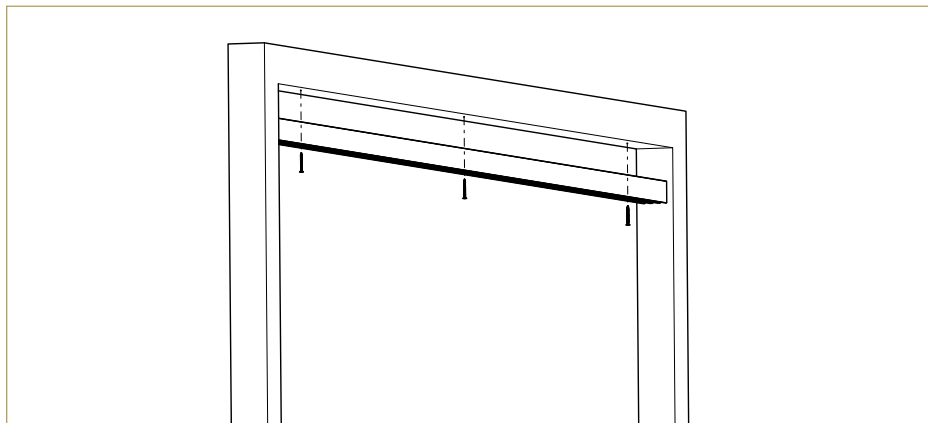
Check the levels bottom rail and vertical profile levels with spirit level.



After level control mark the leveled positions.

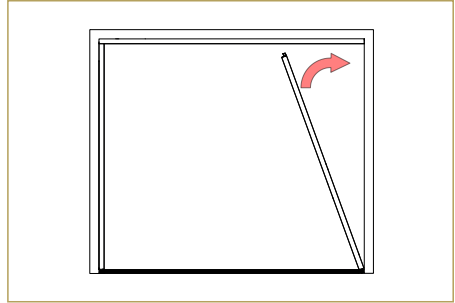
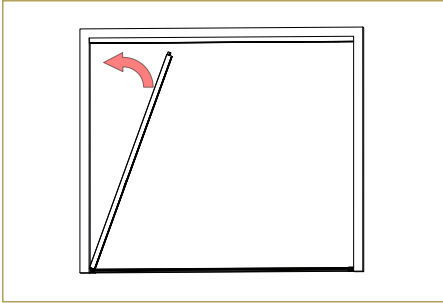
4.1.6. Top Profile placing

In order to complete the frame installation, you must place a top profile as you see at below.

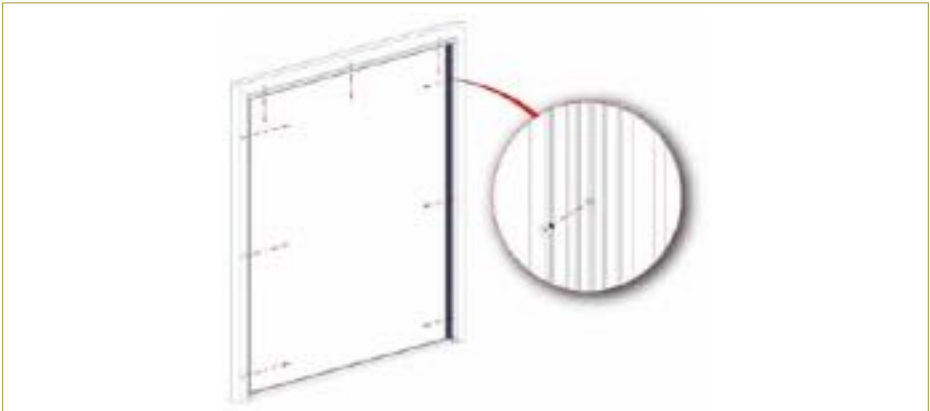


4.1.7. Fixing vertical profile to structure

Then place and sit vertical profiles.

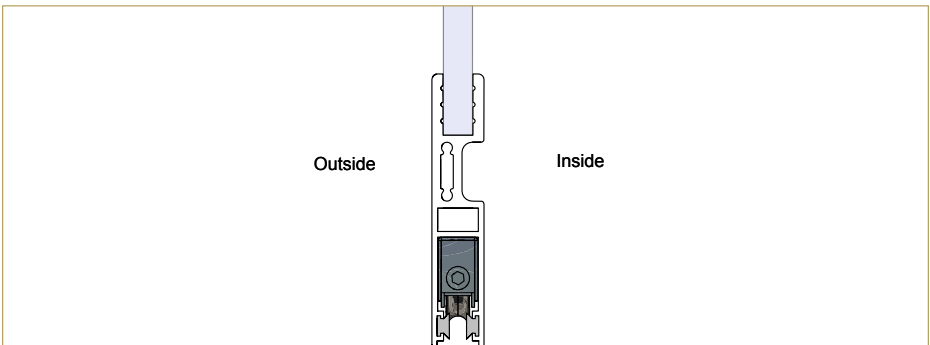


There is no hole on top and vertical profile. Before of the fixing you should make a hole on "first layer" on top and vertical profile. Then you can fix by M5,5x50mm self-drilling screw for each meter.



4.2. Glass Panels Installation

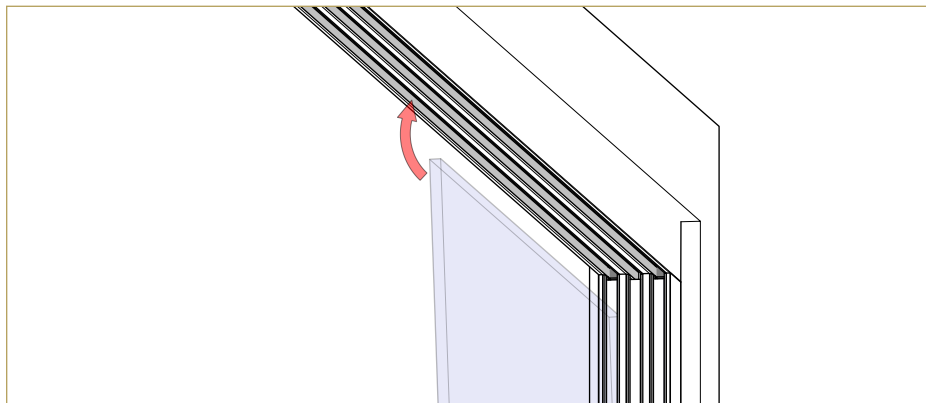
Glass panels will work properly if placed as follows.



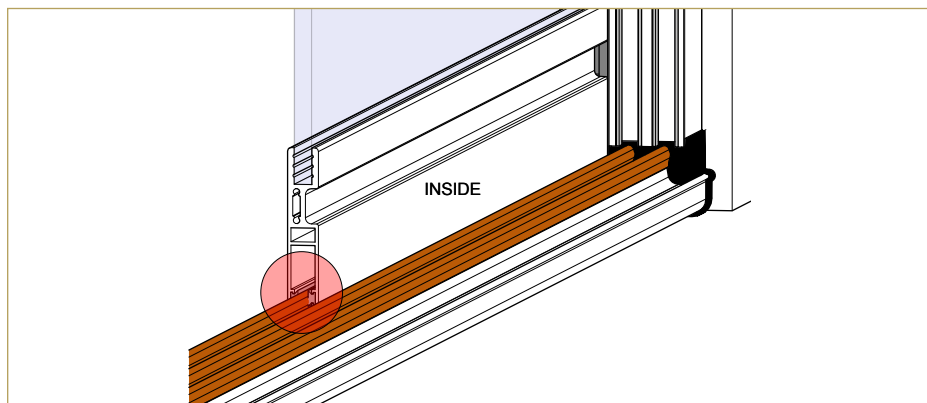
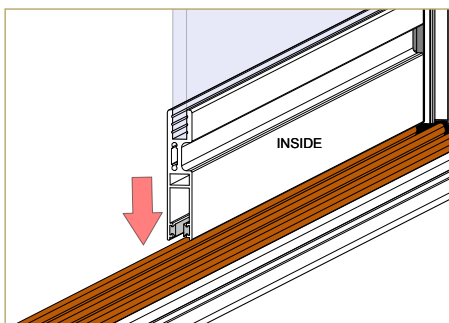
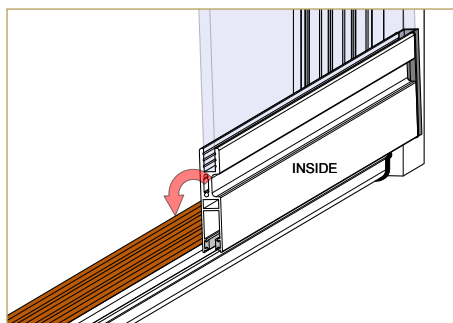


4.2.1. Glass Panel Installation

First of all, the last panel should be place to 3rd (outer) rail then you can place to others like that. You must place a top of the glass panel to inside of the top rail profile.



Then, lift up the glass panel and place the wheels to the bottom rail.

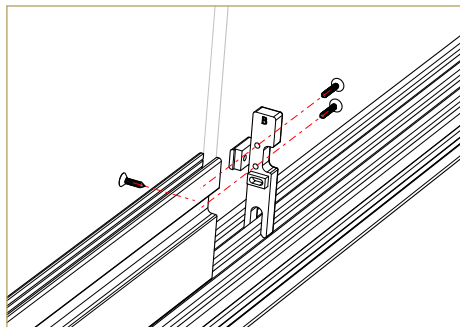
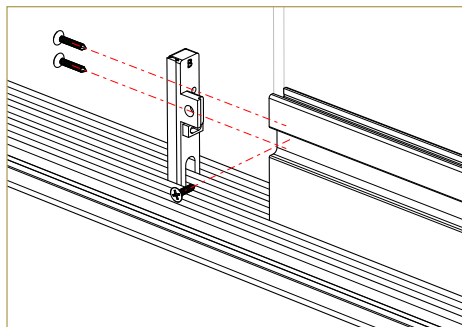




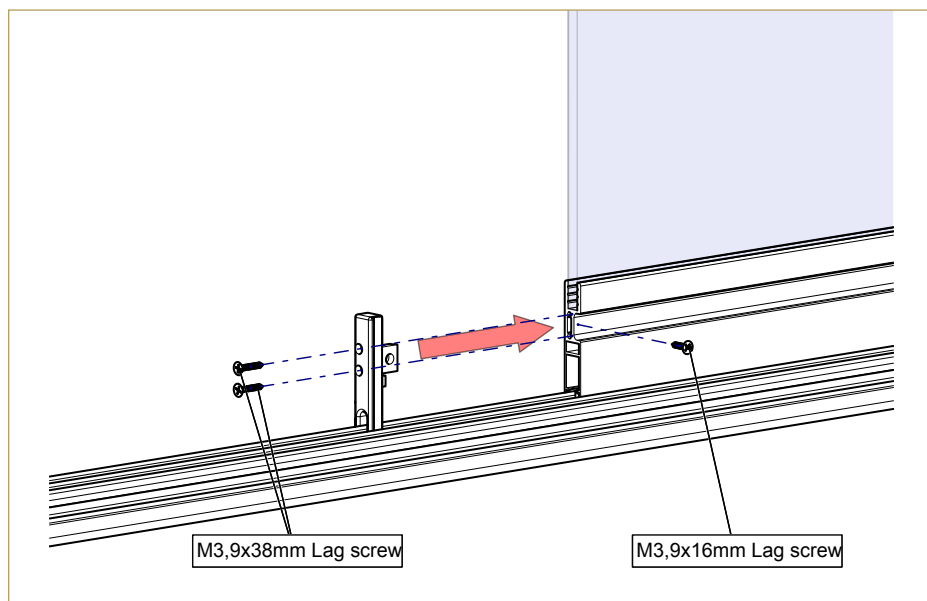
4.3. End cap fixing

4.3.1. Left (A) / Right (B) sliding end cap fixing

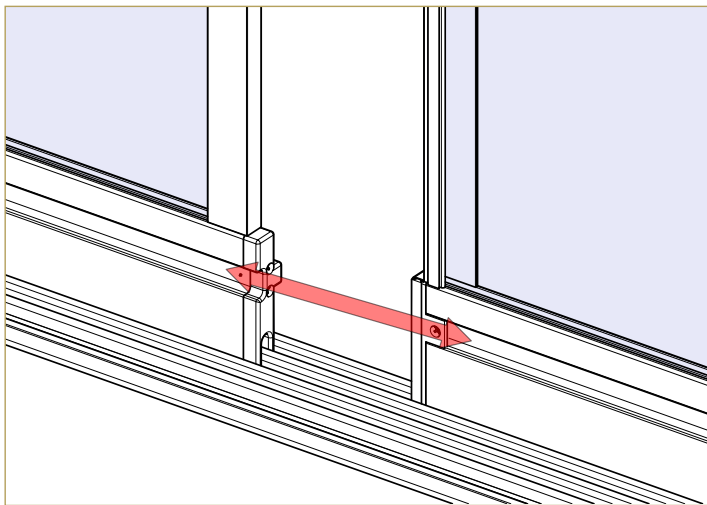
If your product opening direction is to left side, you'll get the "A" cap, if your product opening direction is to right side, you'll get the "B" cap. "A" or "B" marked on end caps,



Place a sliding end cap to end of panel joint profile then fix by related screws.



When you fix whole end caps now you can place the glass panel its location. In order to placing please pay attention and prevent the glass.

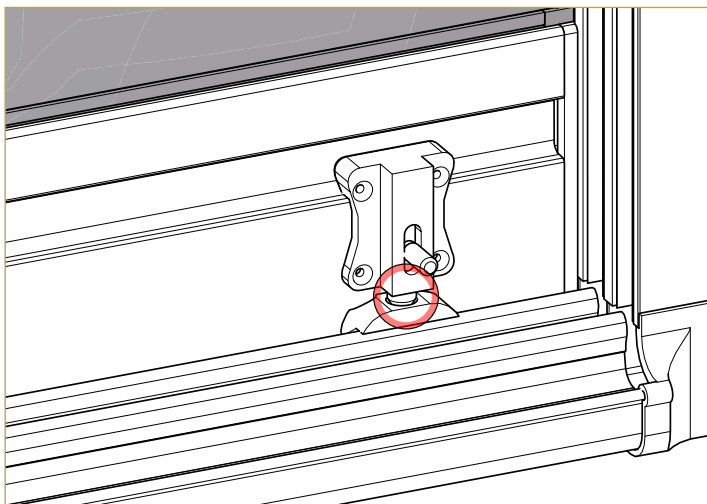


4.4. Lock Installation

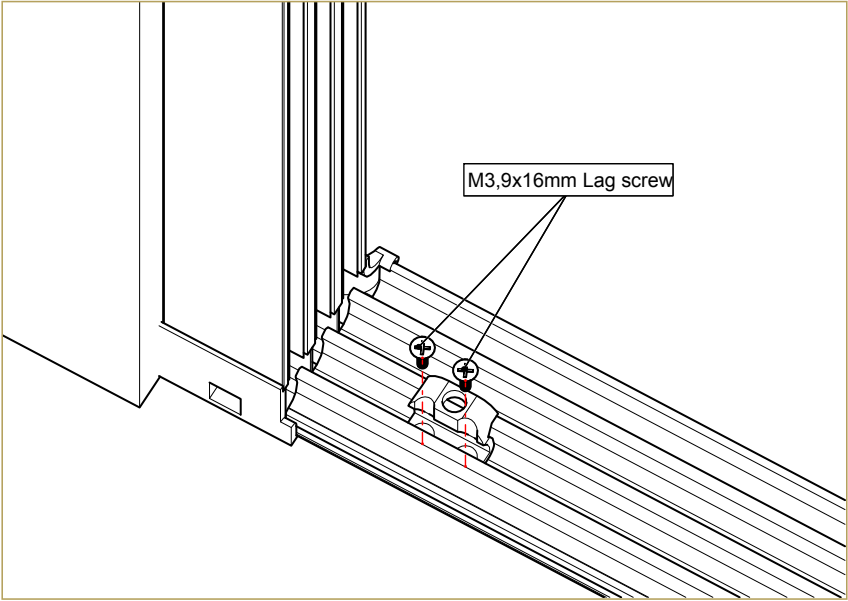
4.4.1. Middle lock

4.4.1.1. Middle lock house fixing

Before of the middle lock fixing, you should adjust exact position of the middle lock house. Pin must be inserted properly.

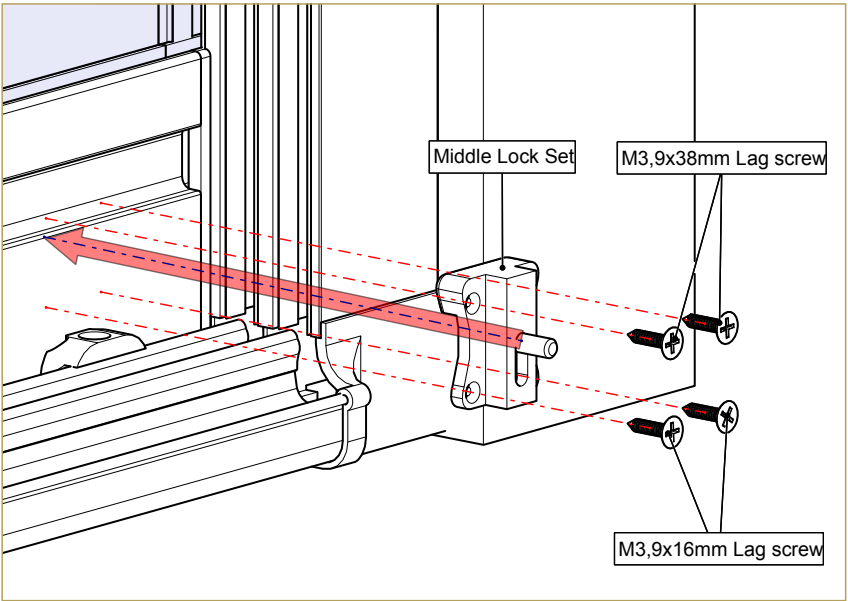


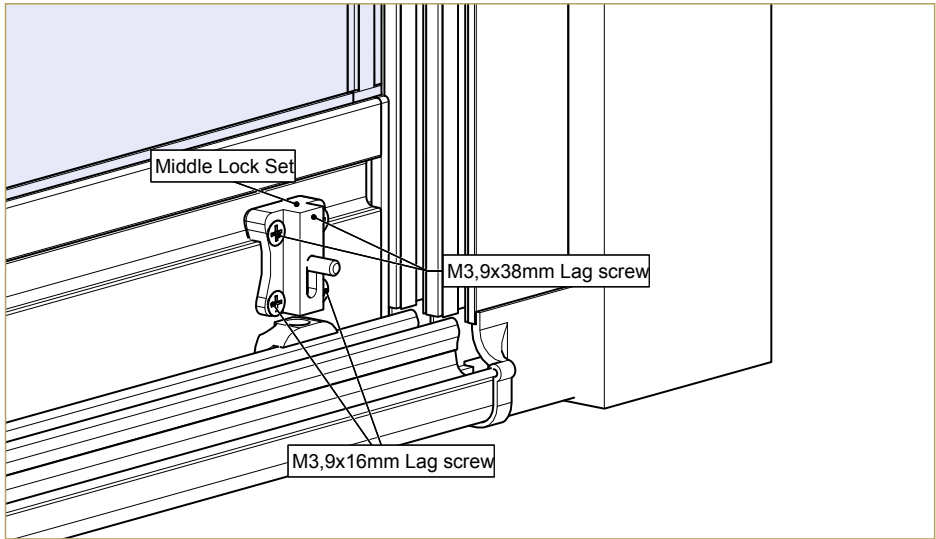
Then, you can fix middle lock house as you see at below.



4.4.1.2. Middle lock fixing

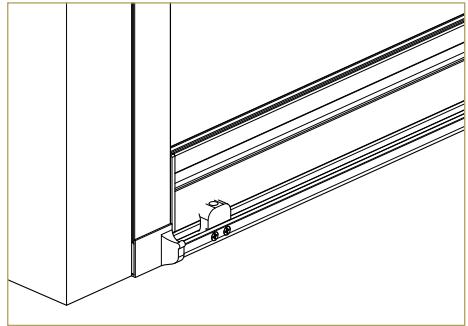
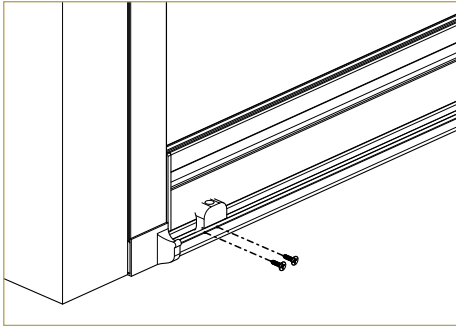
The middle lock should be located end of panel joint profile.



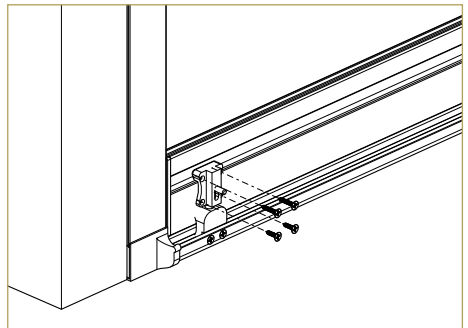
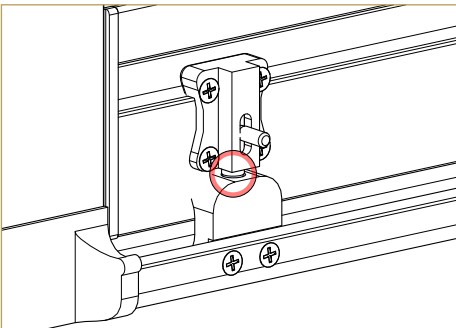


4.4.2. Inner Lock Fixing

This lock is used as standard. You should adjust exact position of the inner lock house.



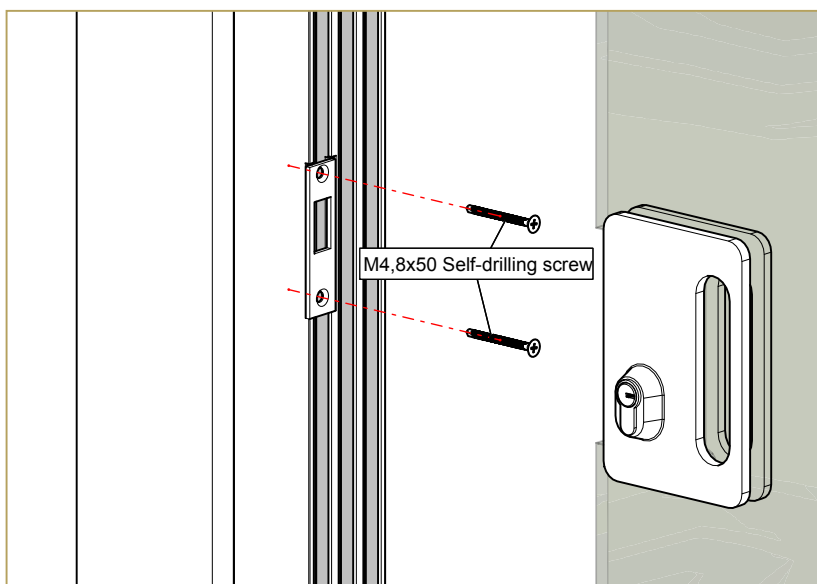
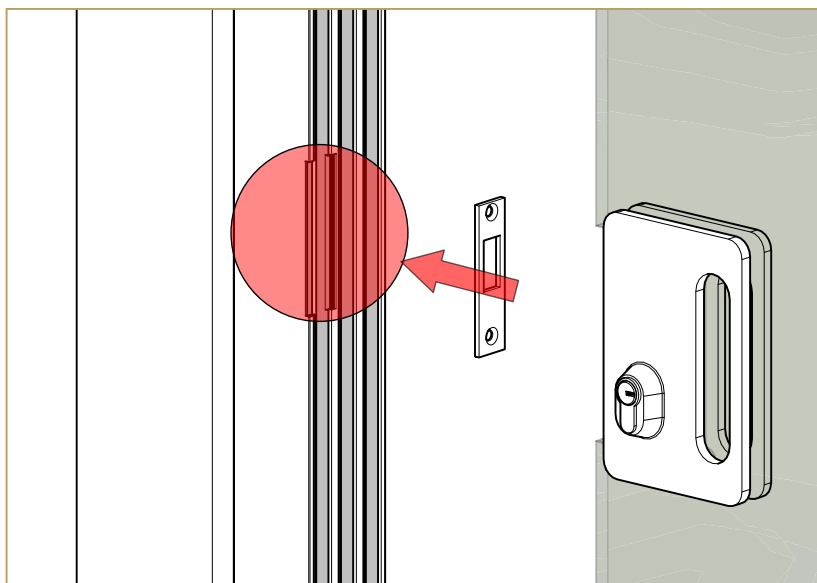
Pin must be inserted properly.



4.4.3. HTP Lock fixing

4.4.3.1. One side direction

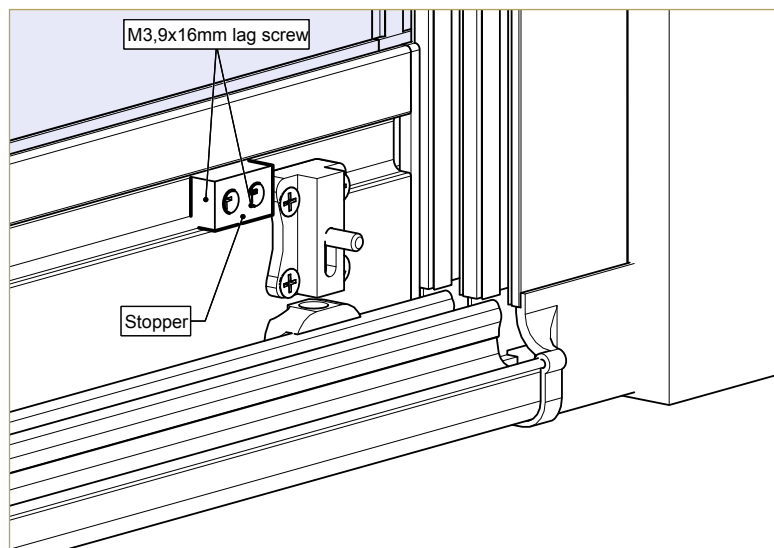
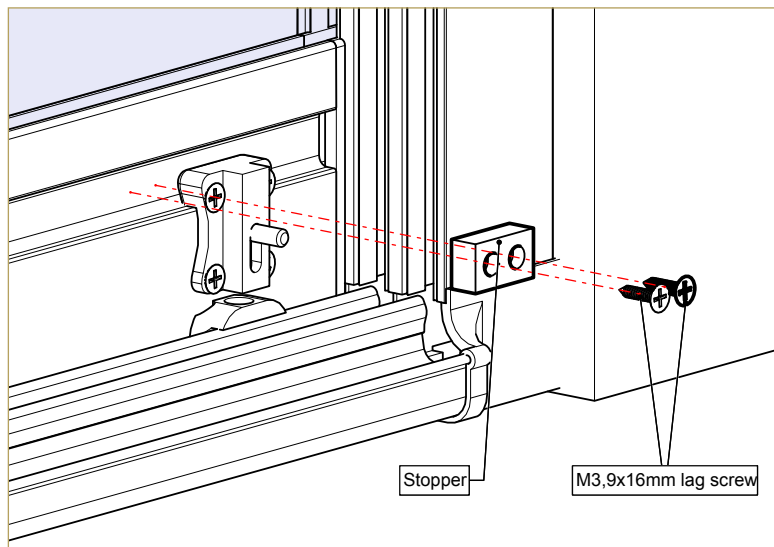
HTP body is integrated to first glass panel and also its lock housing must be placed escalated on vertical profile.



4.5. Stopper fixing

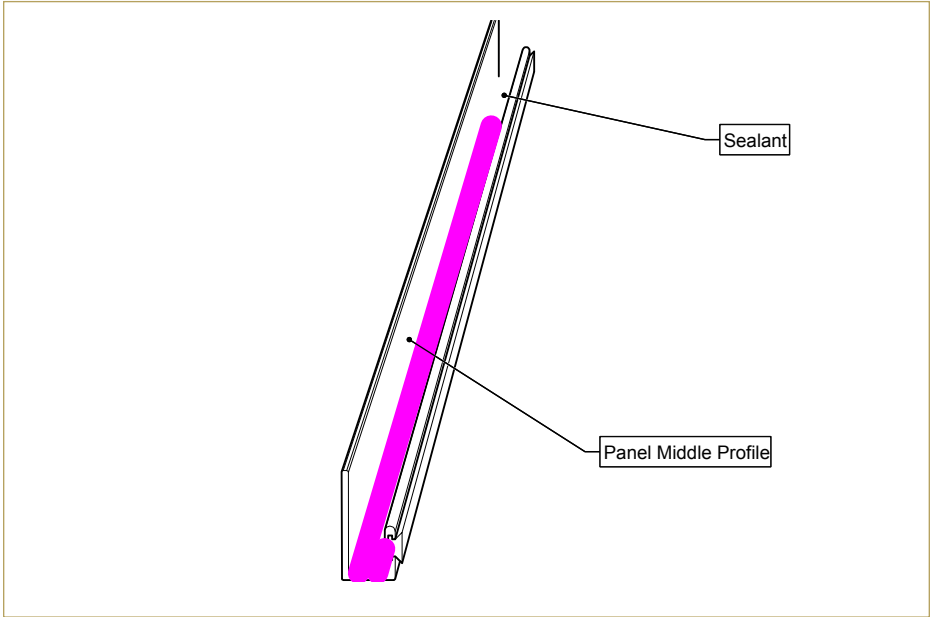
Stopper prevents glass panels from hitting the lock. It also provides the ability to move with a single glass panel.

The stopper should be located near the middle lock on last glass panel joint profile. It ensures prevent glass panels from hitting the middle lock.

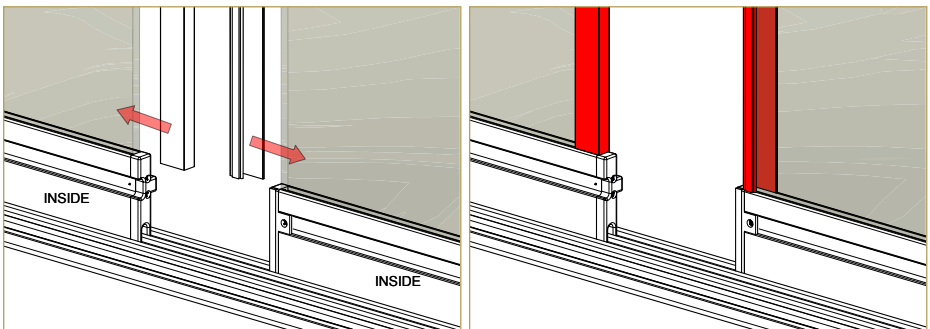


4.6. Panel middle profile fixing

The panel middle profiles ensure prevent to airproof feature which has a brush integrated on panel middle profiles. In order to fixing profile to glass you should apply a sealant defined at below picture.



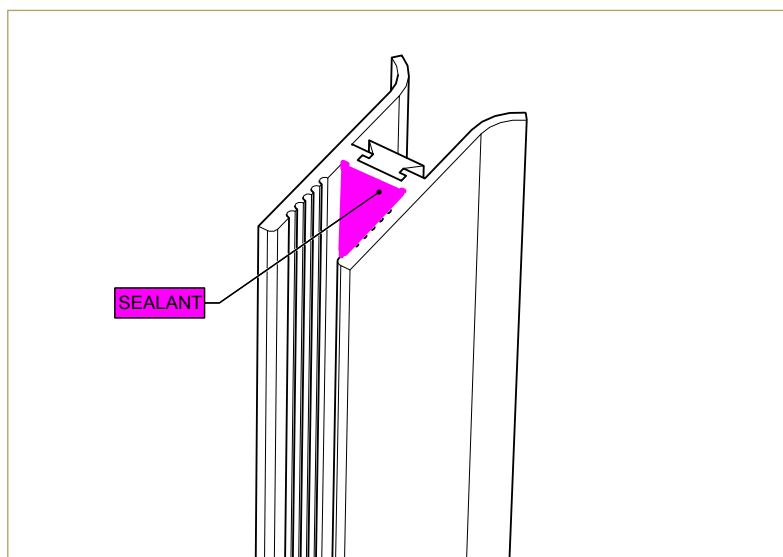
After the applied a sealant to panel middle profile now you can place to glass panel as you see at below. The brushes should be assembled to each other correctly.



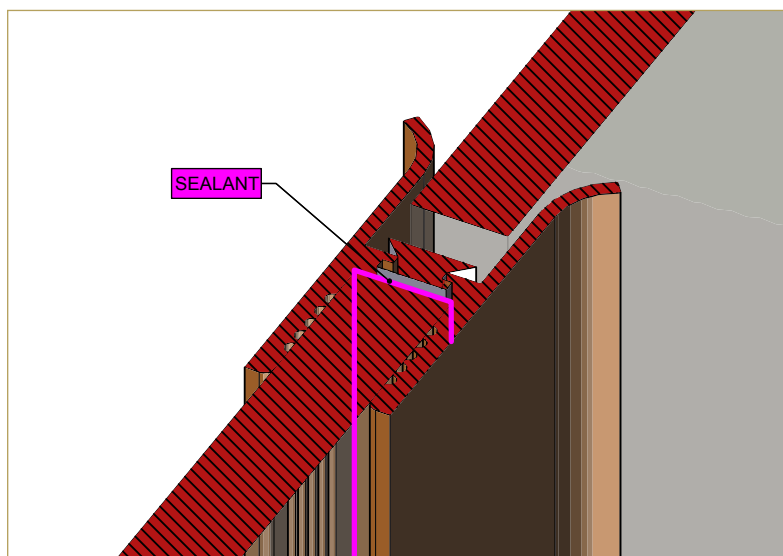


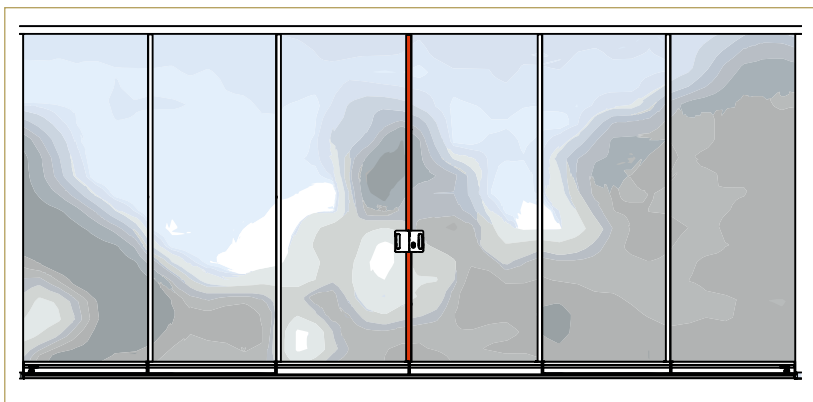
4.7. Both side direction middle panel installation

On both side direction products needs cover to middle gap with middle panel strip profile. Apply a sealant to related channel.



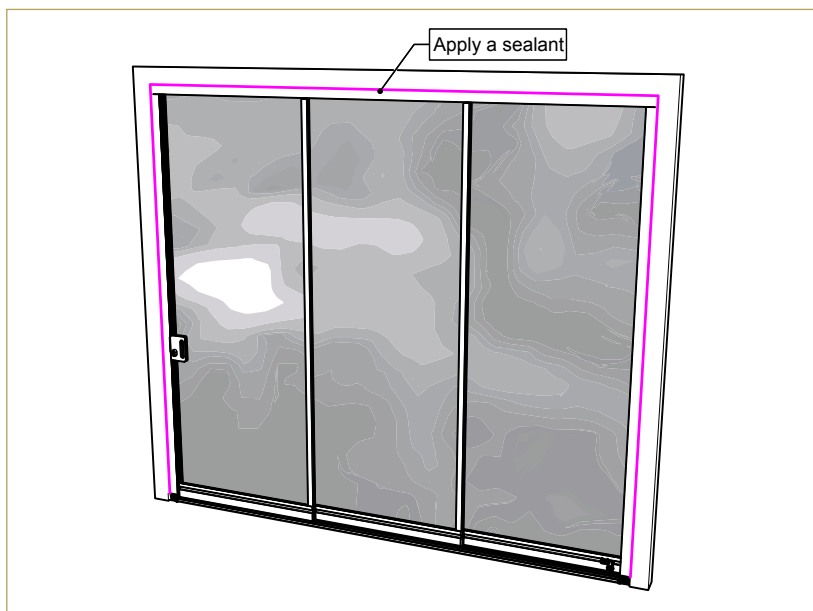
Then, place to middle glass panel.





4.8. Isolation

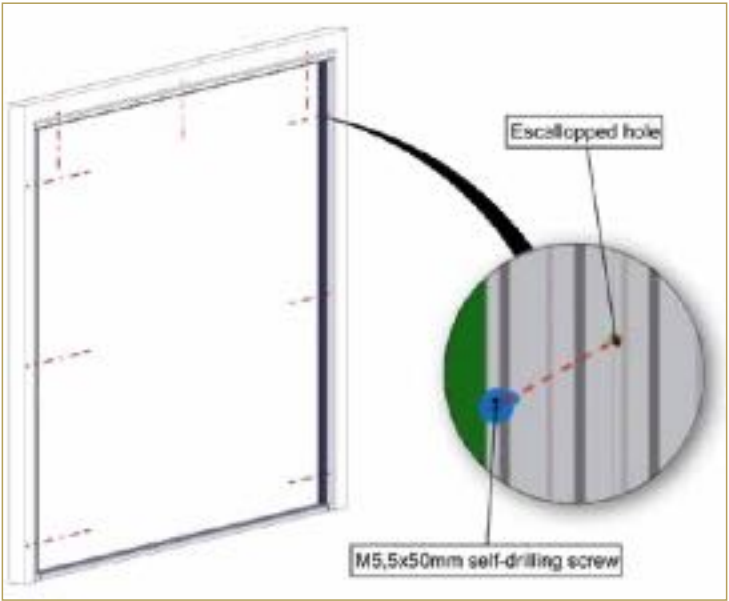
When you complete to product installation you can apply a sealant thus, you can cover all gap.



5. HARDWARE

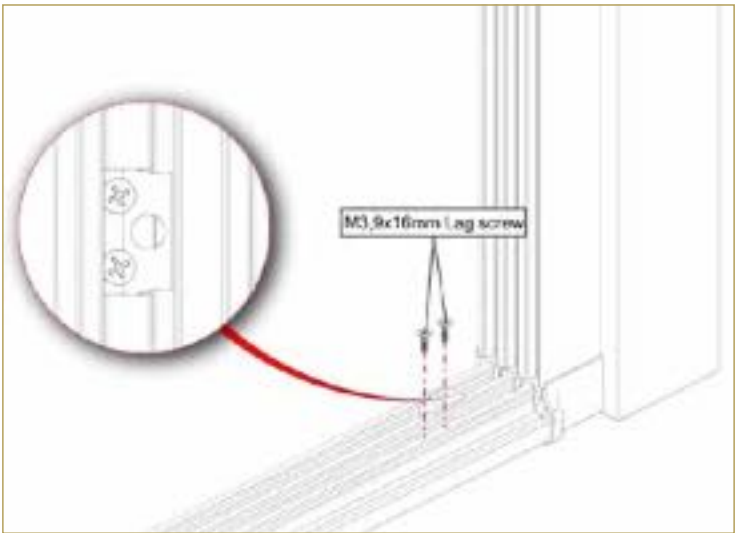
5.1. Vertical Glass Panel Fixing to Structure

M5,5x50mm self-drilling screw



5.2. Inner Pin Lock Set

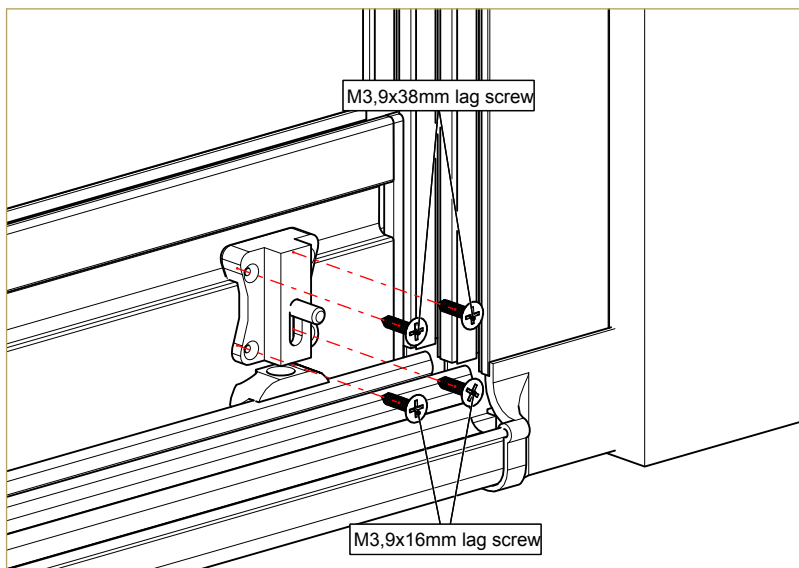
M3,9x16mm lag screw



5.3. Inner Pin Lock Set

M3,9x38mm lag screw

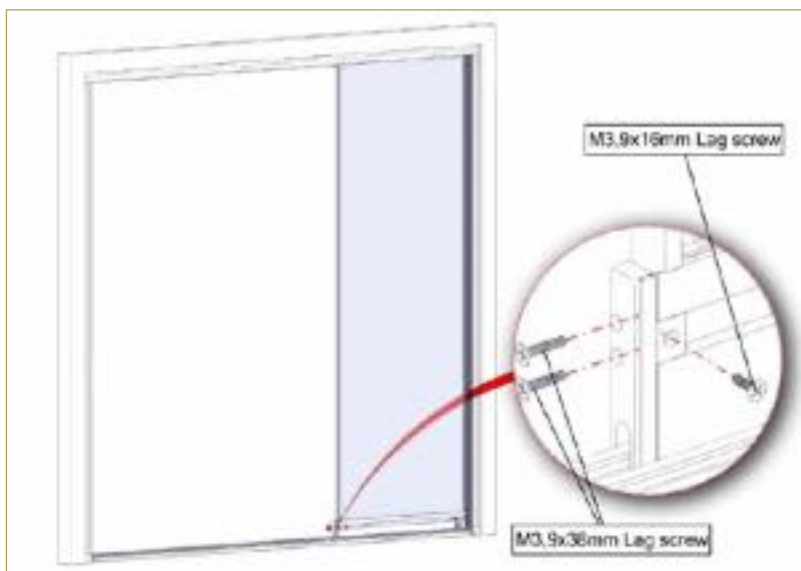
M3,9x16mm lag screw



5.4. Left / Right Sliding End Cap (A / B Cap)

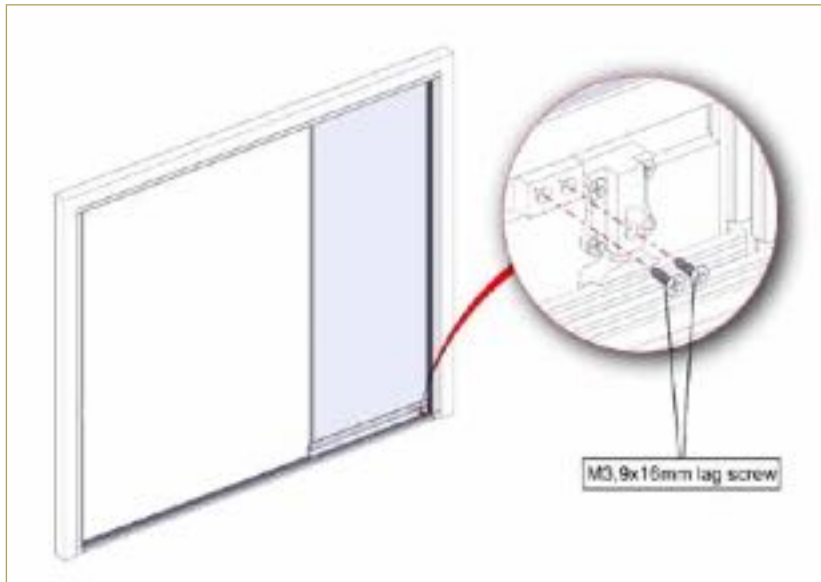
M3,9x38mm lag screw

M3,9x16mm lag screw



5.5. Stopper Set

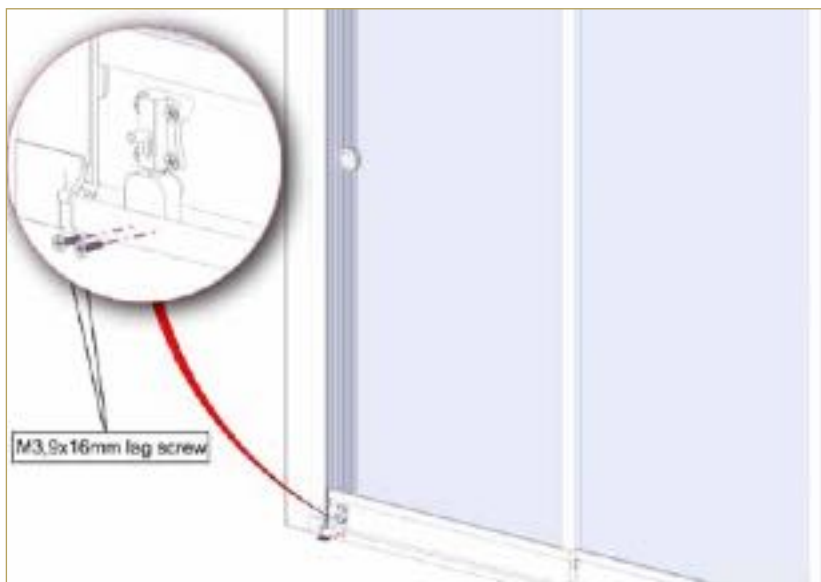
M3,9x16mm lag screw



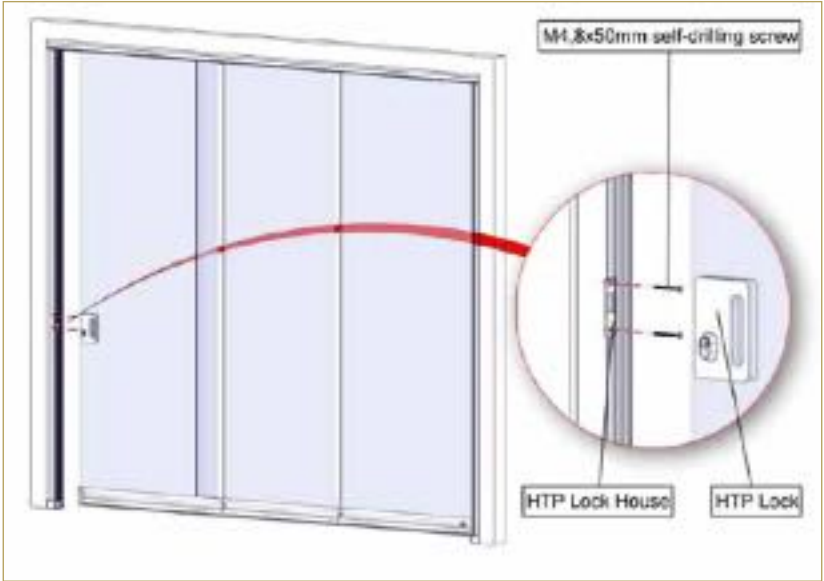
5.6. First Glass Panel Lock System Types

Inner Lock System

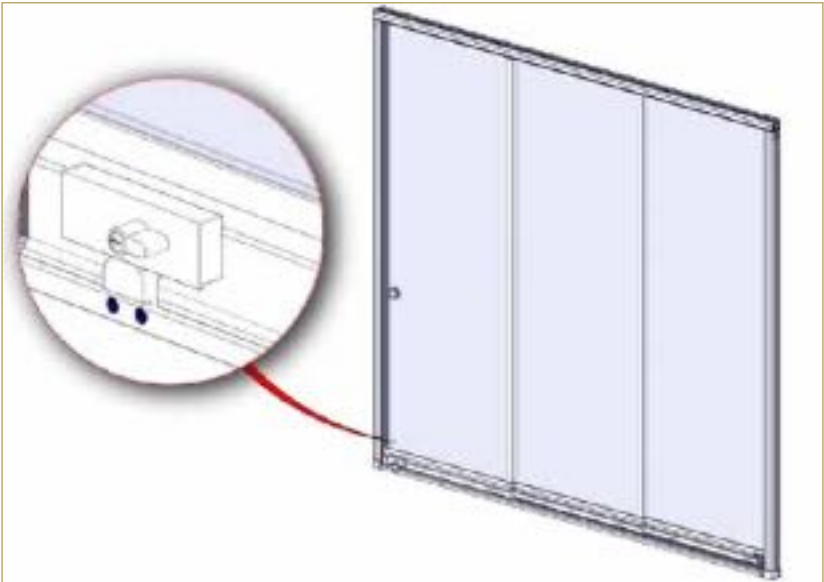
M3,9x16mm lag screw





5.7. HTP Lock System
M4,8x50mm self-drilling screw



5.8. HSM Lock System
Installed to glass panel



6. TOOLS

Image	Product	Description	Product Code
	Palmiye T-Shirt for Installation teams	For Installation teams	HZM.ISG.G1009BRUT
	Palmiye Trousers	For Installation teams	HZM.ISG.G1014.BRUT
	Palmiye Waistcoat	For Installation teams	HZM.ISG.1013.BRUT
	Sealant NP1 Dark Brown	to block the passage of water through the surface or joints or openings in materials	HRD.KMY.C0018.KAHV
	Sealant NP1 Light Brown	to block the passage of water through the surface or joints or openings in materials	HRD.KMY.C0018.AKAH
	Sealant (Black)	to block the passage of water through the surface or joints or openings in materials	HRD.KMY.G0016.SYAH
	Sealant (White)	to block the passage of water through the surface or joints or openings in materials	HRD.KMY.G0017.BYAZ
	Sealant (Grey)	to block the passage of water through the surface or joints or openings in materials	HRD.KMY.G0022.GREY

INSTALLATION TOOL LIST

	Tool box with wheel	1 pc
	Spiral grinder	1 pc
	Batery driller.	1 pc
	Lighting	2 pc
	Extansion lead	2 pc
	Ladder	2 pc
	Tape measure 5m	1 pc
	Tape measure 10m	1 pc
	Water gauge	2 pc
	Laser Meter	1 pc
	35 cm angle	1 pc
	Allen wrench set	2 Set
	Screw driver	1 Set
	Plastic hammer	1 pc
	Cutter	1 pc

	Slicon gun	2 pc
	Bits	2 Set
	PH2X100 Bits	2 pc
	APEX 493 A Bits	2 pc

7. FREQUENTLY ASKED QUESTIONS

FAULT	REASON	HOW TO RESOLVE?
Glass panels are getting jammed while sliding.	There might be dirt on the rails.	Rails should be cleaned with the vacuum cleaner
	The wheels might be broken.	The authorized technical service should be contacted.
When the Glass Panels are closed, cold weather penetrates through the sides with the water ingress.	Vertical gasket might be broken	The authorized technical service should be contacted.
	The wheels might be broken.	The authorized technical service should be contacted.
	The fixed profiles might have shifted from their place.	The authorized technical service should be contacted.
The aluminum part is excessively dirty.		This part must be cleaned (with liquid soap with no chemicals) other than cleaning agents which can scratch the detergent and paint
Locks do not work easily, they get jammed while running.	The strike plates might have shifted from their place.	It must be cleaned with lubricating oil no 10
		The authorized technical service should be contacted.



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