FLEXPATIO

Manuals & Installation Guides

Pergola Roller Shade Side Wall

20' Side



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Safety Information

Installation qualification requirements

- Must be installed in collaboration with 3-4 or more healthy adults
- Expertise in frame construction and strict adherence to specifications required (local contractor recommended)
- Prohibition of one-person installation work (to prevent the risk of falling)

Pre-installation inspection

- Verify that all parts are intact（Contact support@flexpatio.com for missing or damaged parts）
- Verify tool availability (specialized tools such as power drills)
- Verify local building code requirements (including structural/drainage/ electrical standards)

Personal protection standard

- Eye protection: anti-impact goggles (anti-aluminum chip splash)
- Hand protection: industrial-grade cut-resistant gloves (thickness ≥ 2mm)
- Respiratory protection: N95 mask

Site safety management

- Establishment of a 2-meter safety separation zone (no children/pets allowed)
- Parts management system implemented (immediate cleaning of floor screws)
- Column bases fully tightened (eliminate tripping risks)

Power tool operation

- Ensure safe and regulated use of power tools
- Monitor tool temperature to avoid overheating (continuous use ≤ 15 minutes)
- Wear insulated gloves

Pergola structural assembly requirements

- Prohibit any structural modifications (maintain original design)
- Double verification of connection tightness (torque values according to manual)
- Link the wires according to the specification of the manual

Extreme weather conditions

- Ice and snow: shutter operation prohibited (locked when temperature ≤ 0°C)
- Strong wind environment: Do not use if the maximum wind limit is exceeded
- Storm conditions: exceeding the maximum drainage slope is a cautionary use

Special risk avoidance

Louvers operation ban:

- Prohibition of hand intervention in the mechanical gap (keep a safety distance of 15 cm)
- Prohibition of roof loads exceeding the maximum load

Pre-installation

PLANNING INSTALLATION

To prevent damage, place all parts on a soft surface during assembly.
Tools required for assembly (not included): Allen wrench (included), hammer, screwdriver, stepladder, level and other safety items such as gloves, safety goggles and hardhat.

NOTE | Tools and protective articles below are not provided.

TOOLS REQUIRED



Safety goggles



Gloves



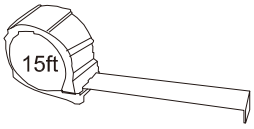
Hardhat



Level



8-Foot Ladder
(Qty.2 recommended)

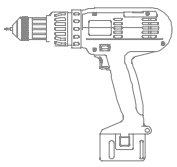


15-Foot
Tape measure

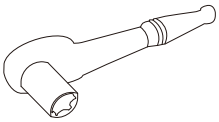


3 People

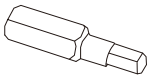
RECOMMENDED TOOLS



Cordless drill or driver
with 4mm Allen head bit



Socket wrench with
10mm and 14mm socket

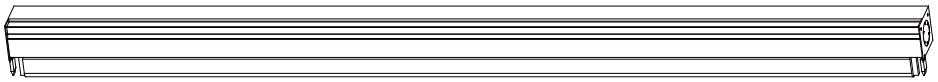
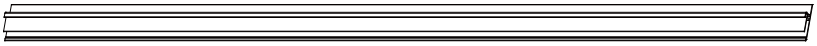
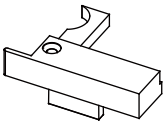
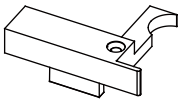
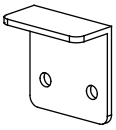
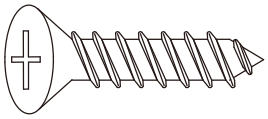


3mm / 4mm /5mm/6mm
Allen or Hex bit

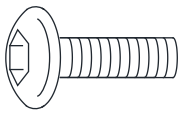


Driver bit extension
(4-inch recommended)

Included Parts

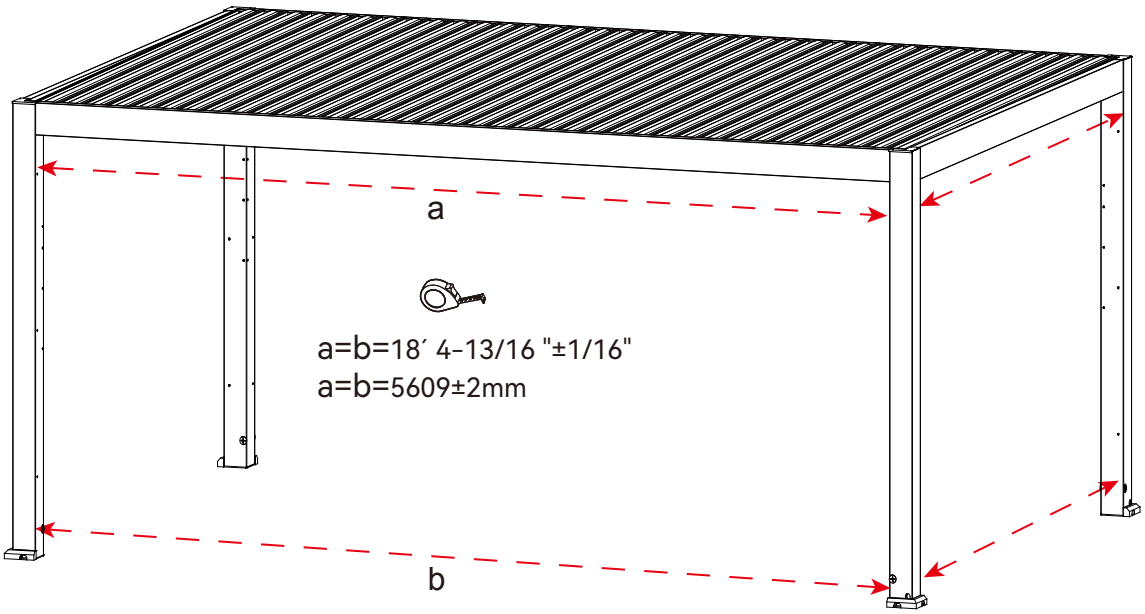
PART	QTY	DIAGRAM
Roller Shutter Q4	1	
Track R1	1	
Track R2	1	
Track R3	1	
Track R4	1	
Sliding Groove R5	2	
Connecting Line M1	2	 3m
Connecting Line M2	1	 4m
Connecting U1	1	
Connecting U2	1	
Connecting V	2	
Bolt AA	2	 M4*30mm

Included Parts

PART	QTY	DIAGRAM
Bolt CC	6	 M6*30mm
Bolt DD	4	 M5*20mm
Allen Wrench EE	1	 4#
Allen Wrench FF	1	 4#

Installation Instructions

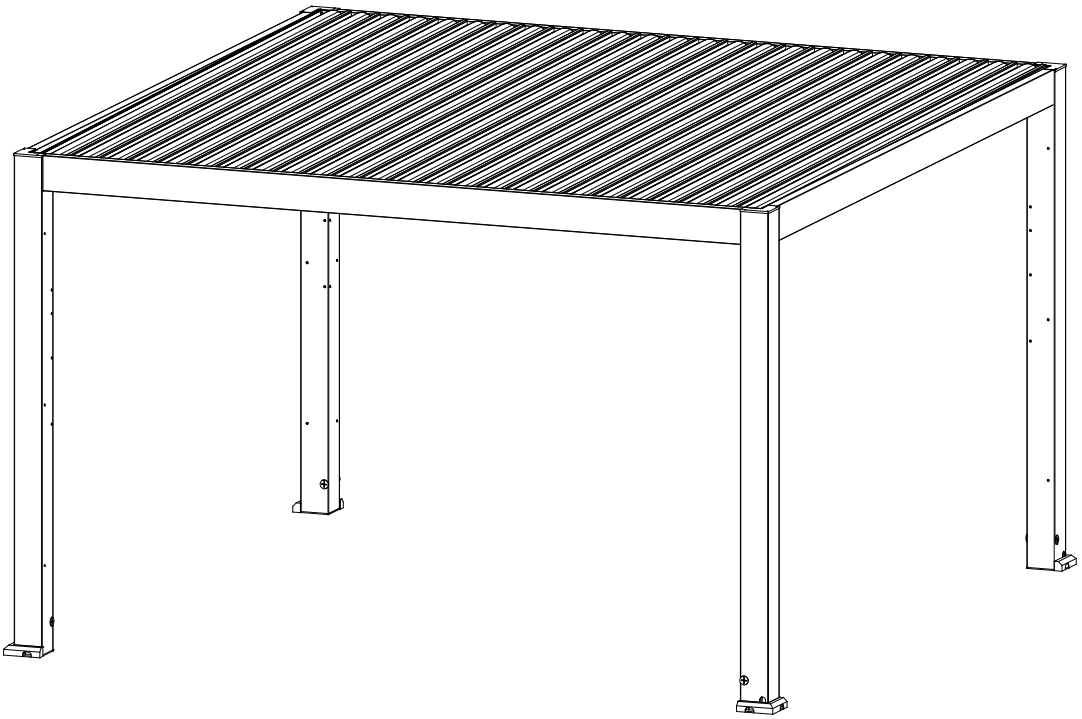
1 Preparations before installation

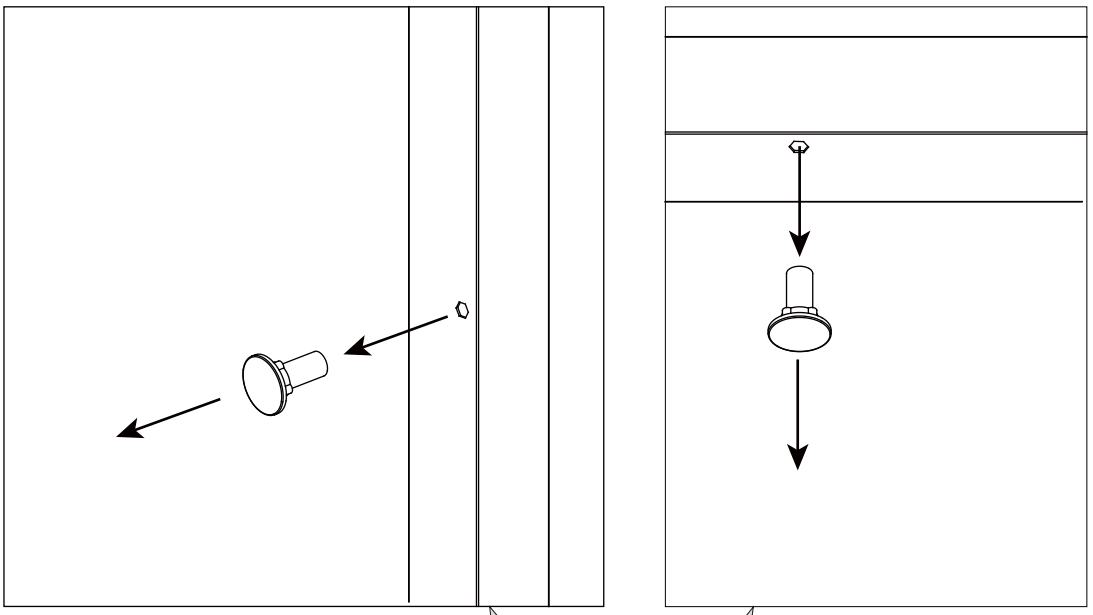


Please note: Before assembling the Movable louver side shade, the spacing between the posts must be measured, a and b, c and d should be parallel to each other, and the tolerance should be controlled within ± 2mm. This is to ensure that the products (e.g. sliding glass doors) are easy to handle when assembled and that no other problems arise.

Installation Instructions

2 Remove the bolts



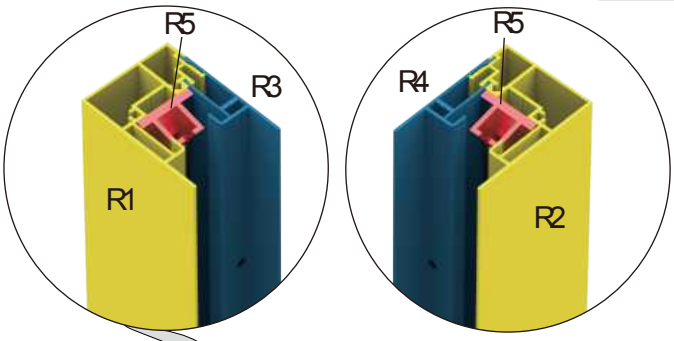


Remove the pre-installed plastic pipe plug at the location where you wish to install it.

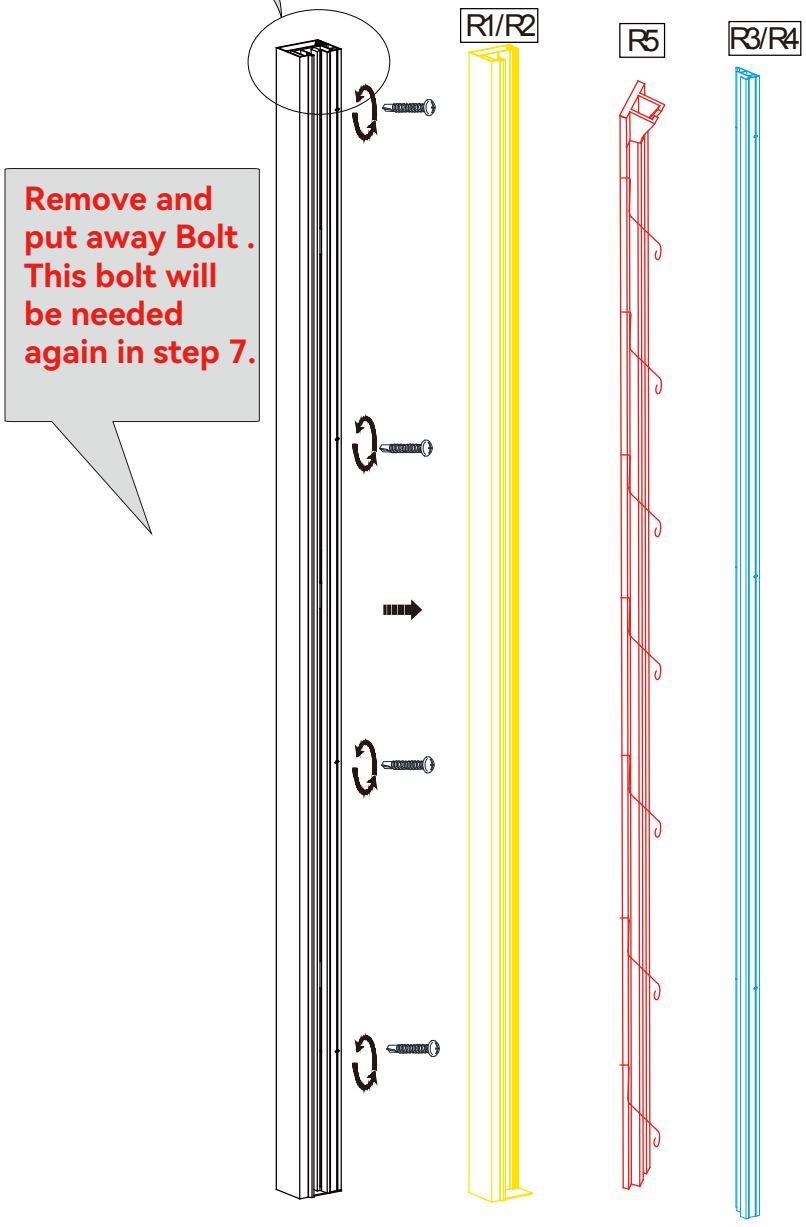
3 Preparations before installation

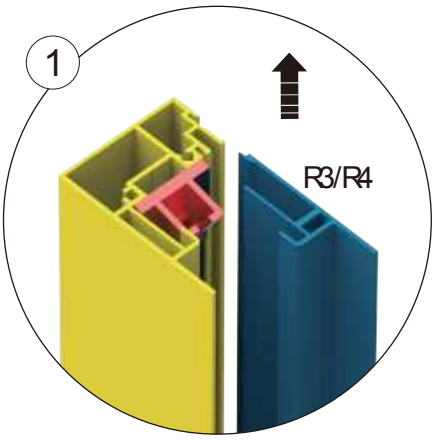
Colors are for illustration purposes only to help distinguish the parts:

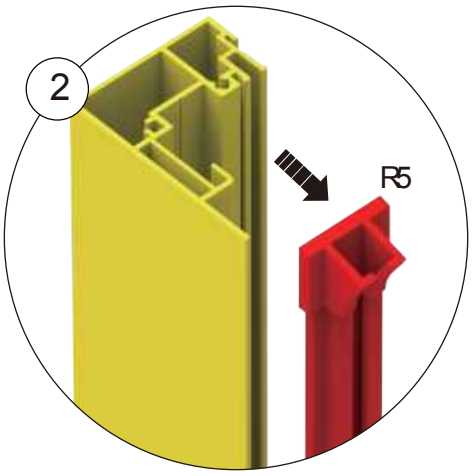
Before installing the screen, please separate the track components as shown below.



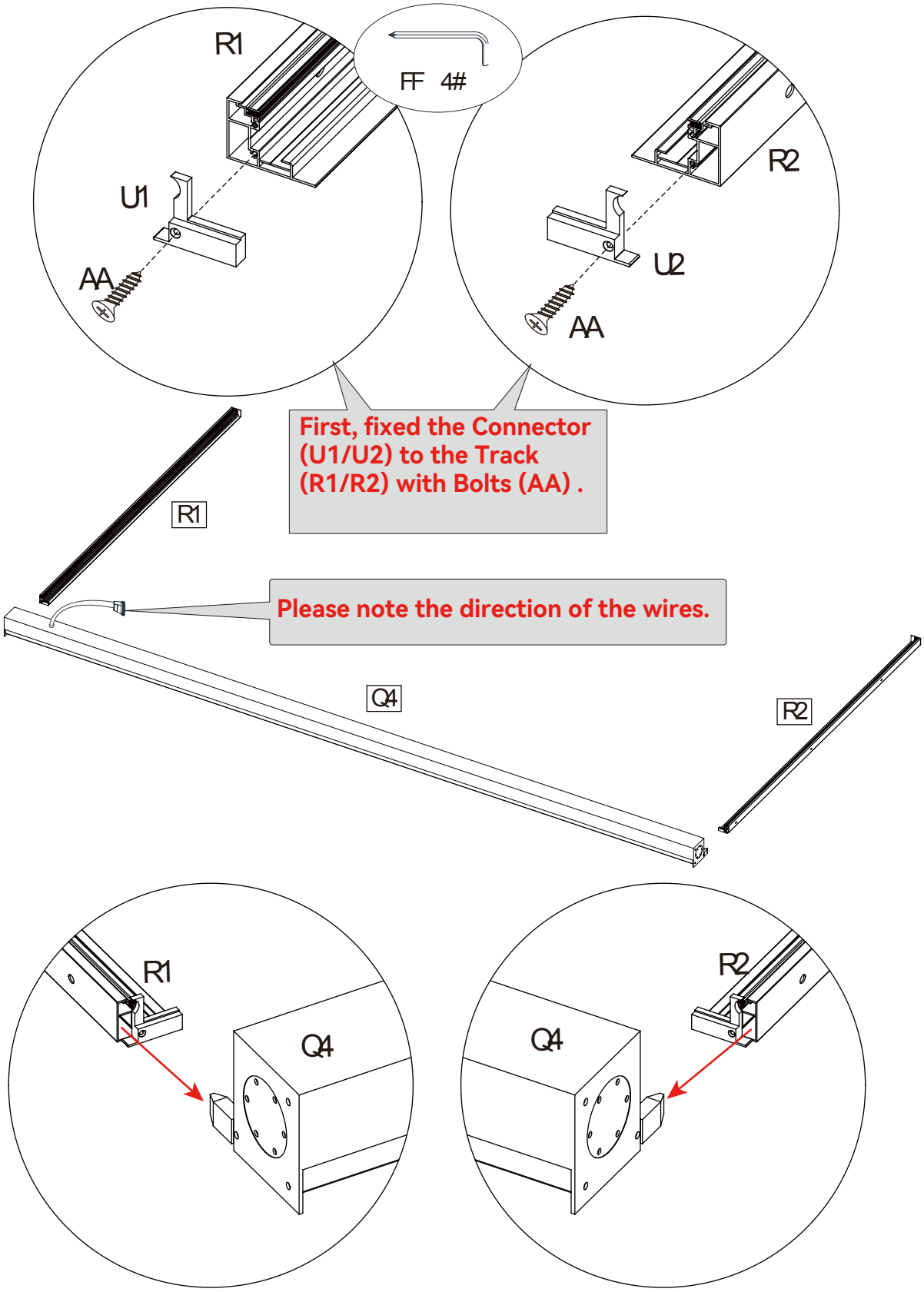
Remove and put away Bolt . This bolt will be needed again in step 7.







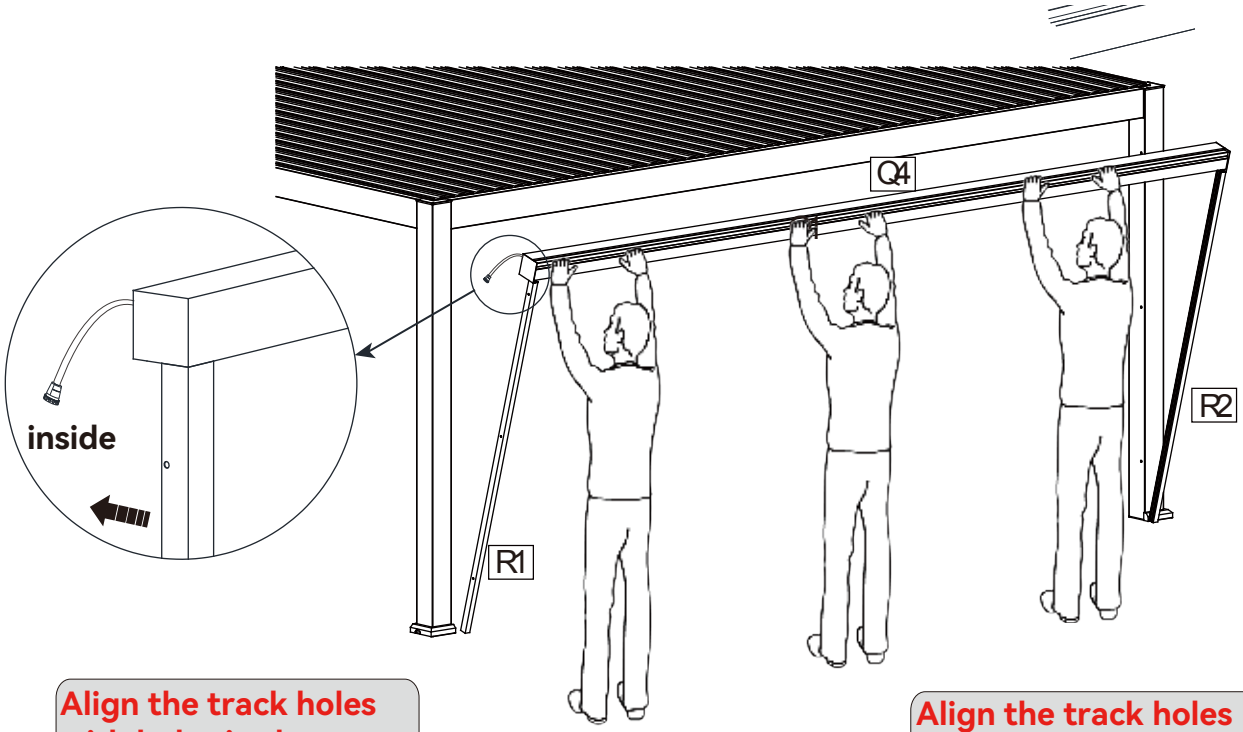
4 Installing the Track and Roller Shades

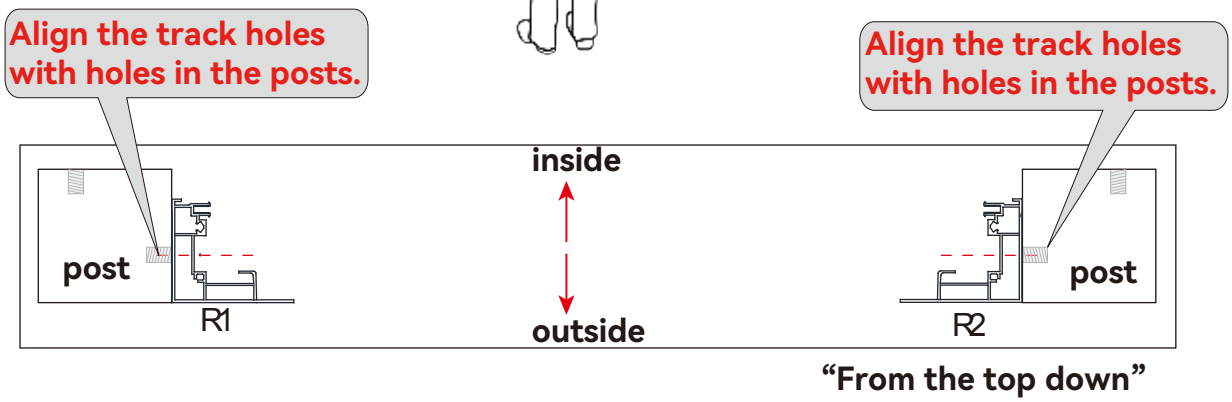


Installation Instructions

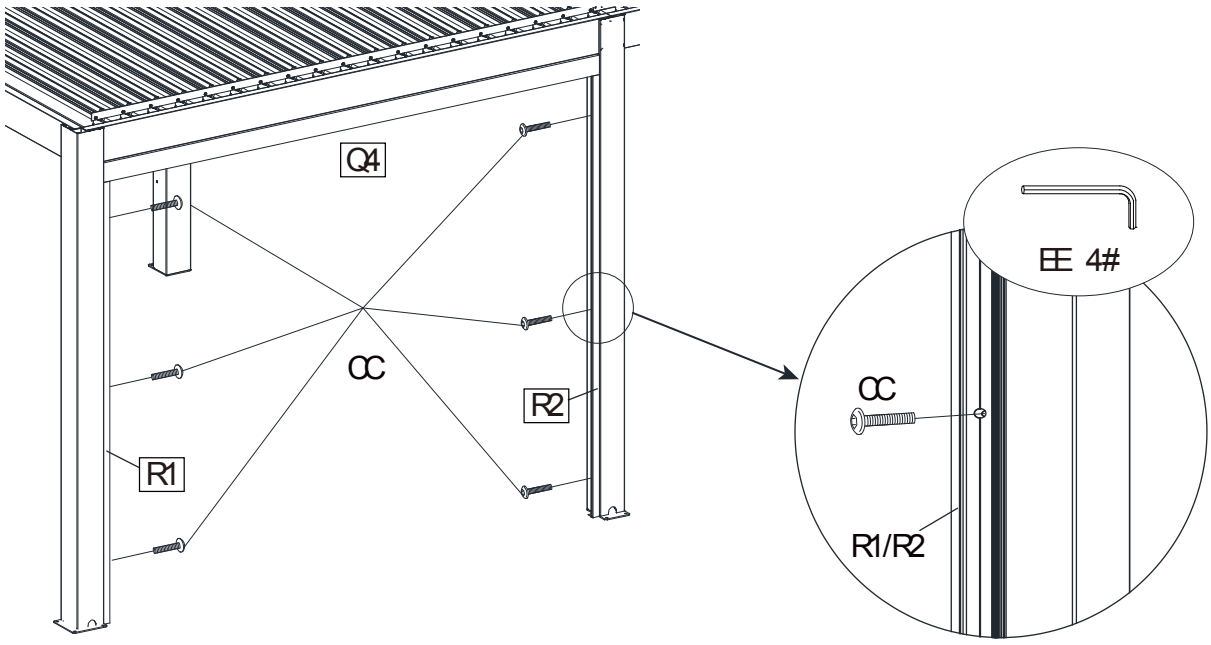
5 Installing the Beam

CC		x6

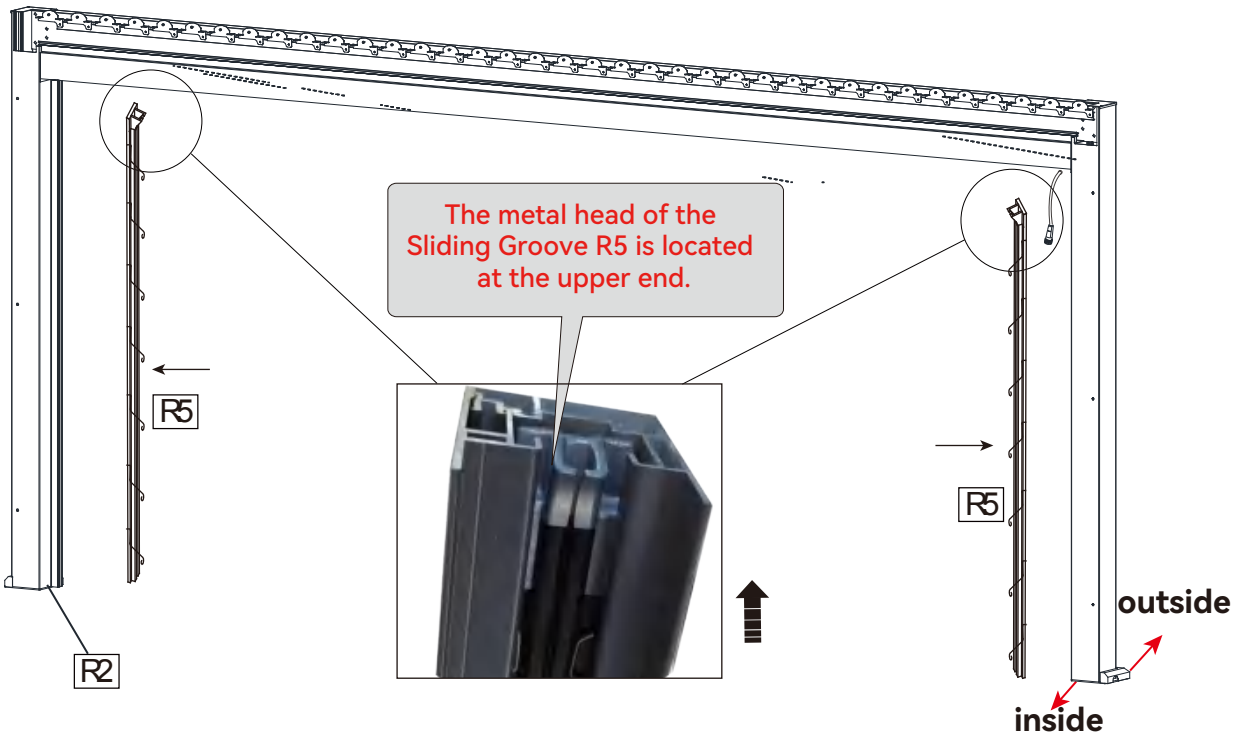


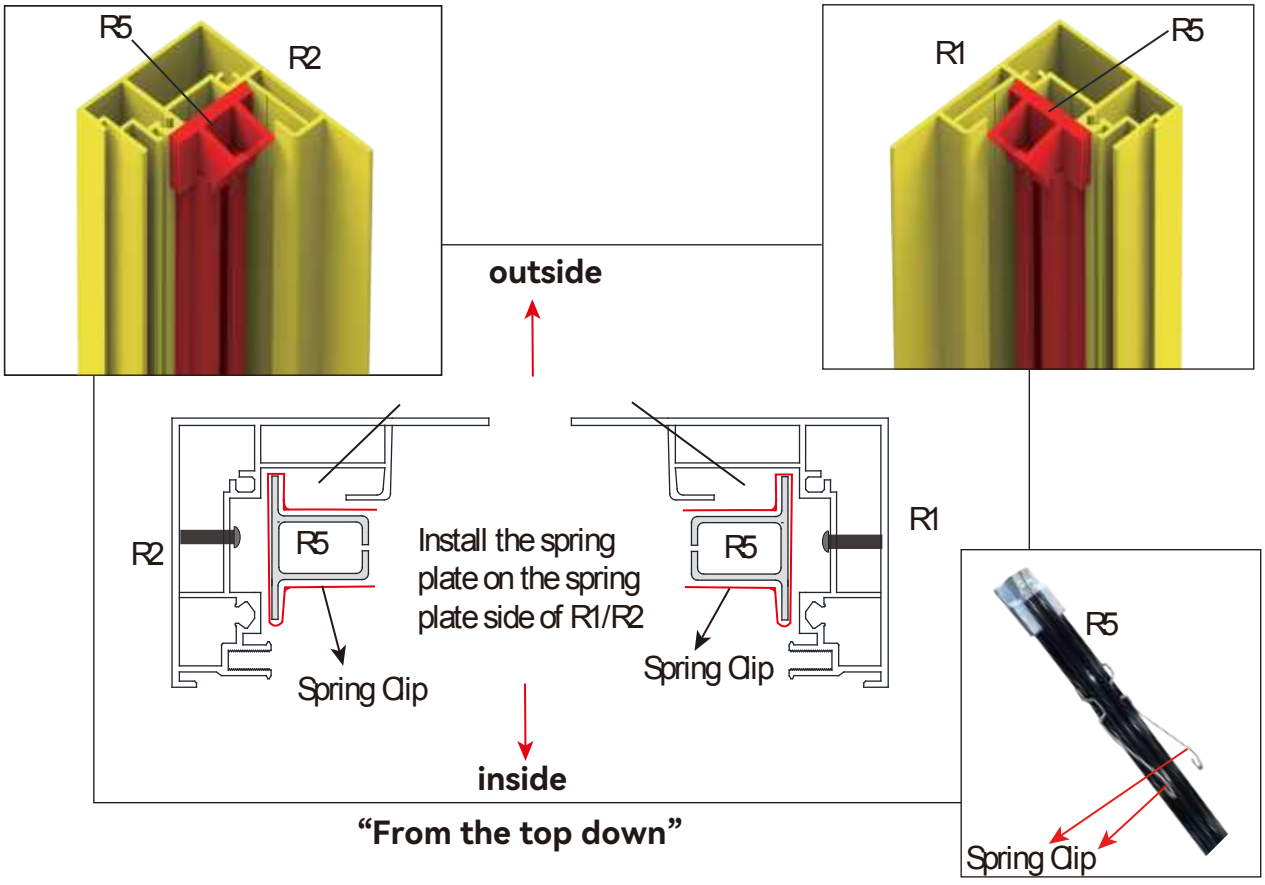


"From the top down"

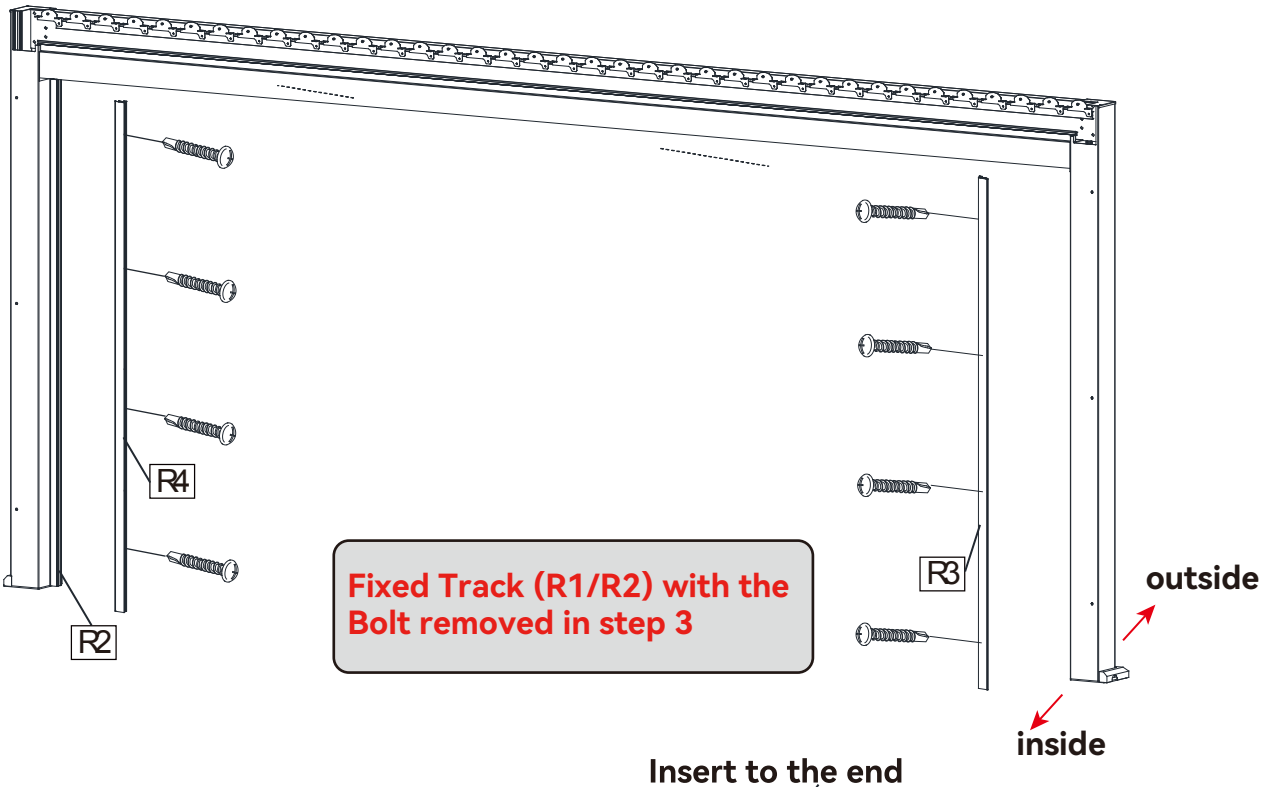


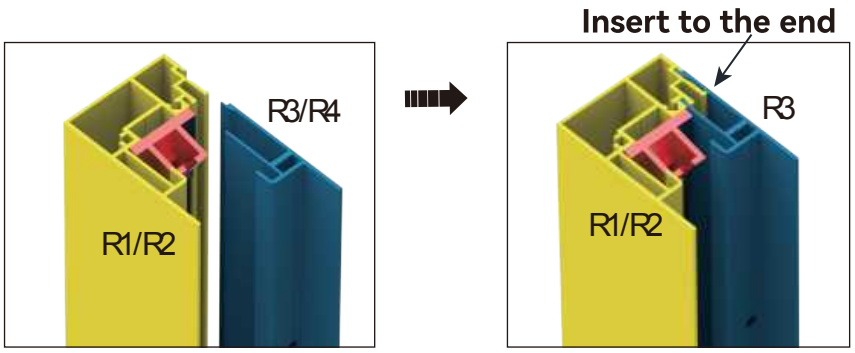
6 Installing the Sliding Grooves

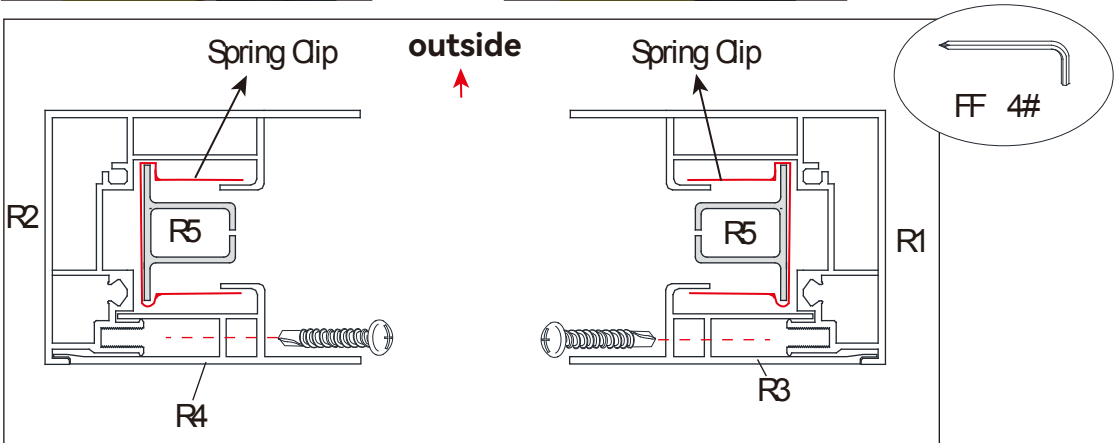




7 Installing the Track







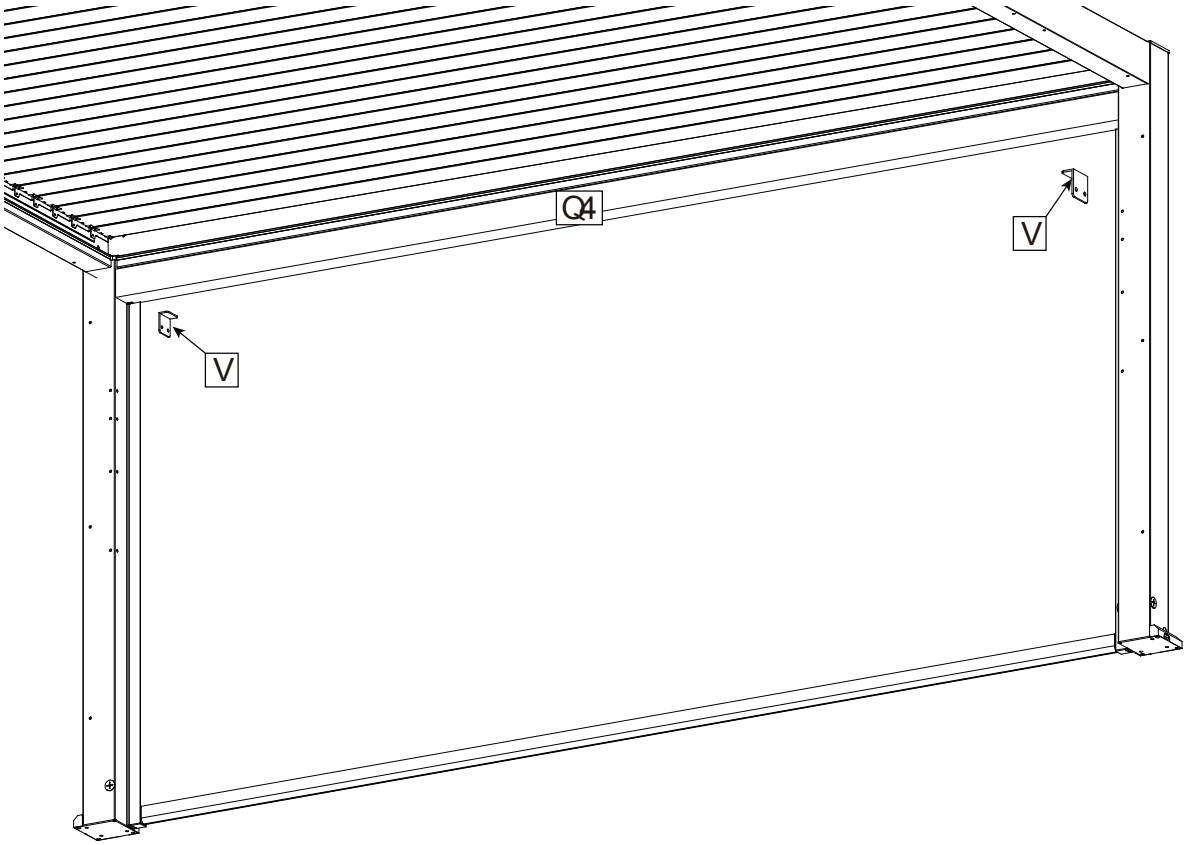
After securing Track R3/R4, press down the spring clip on R5 by hand and snap it into place on both sides of the Track.

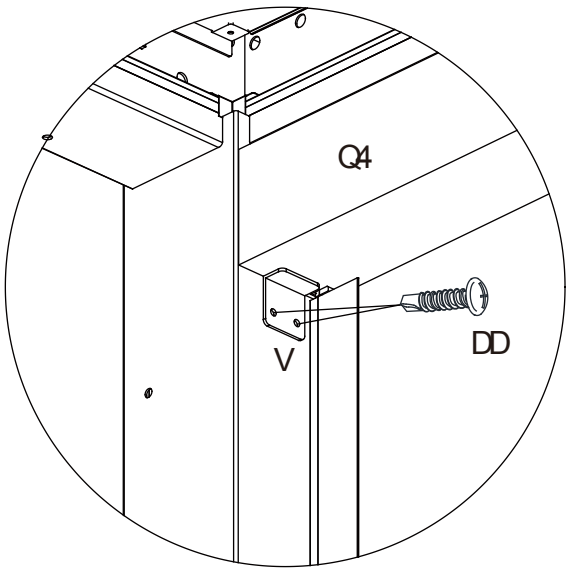
"From the top down"

Installation Instructions

8 Installing the Connecting

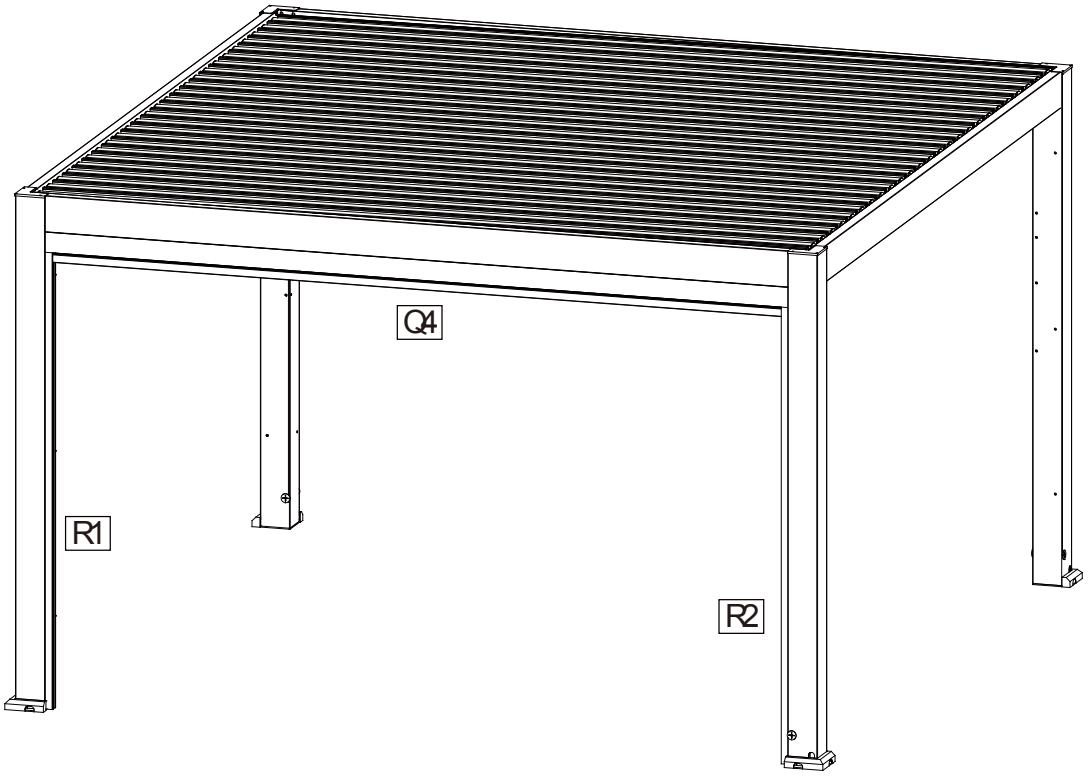
DD		x4

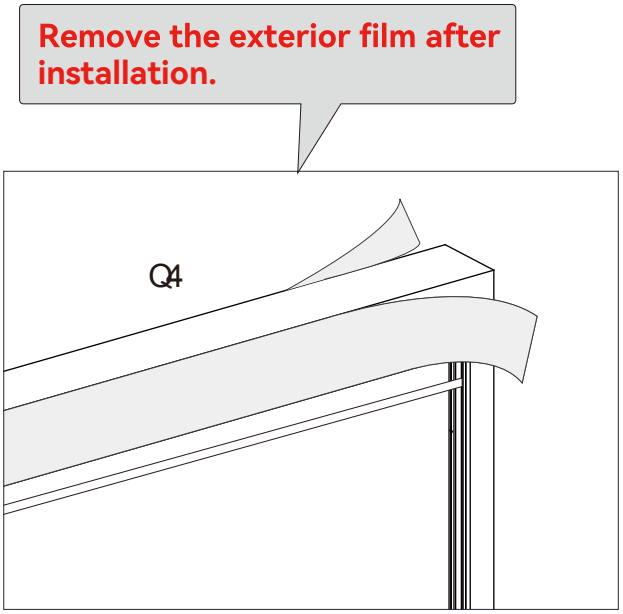




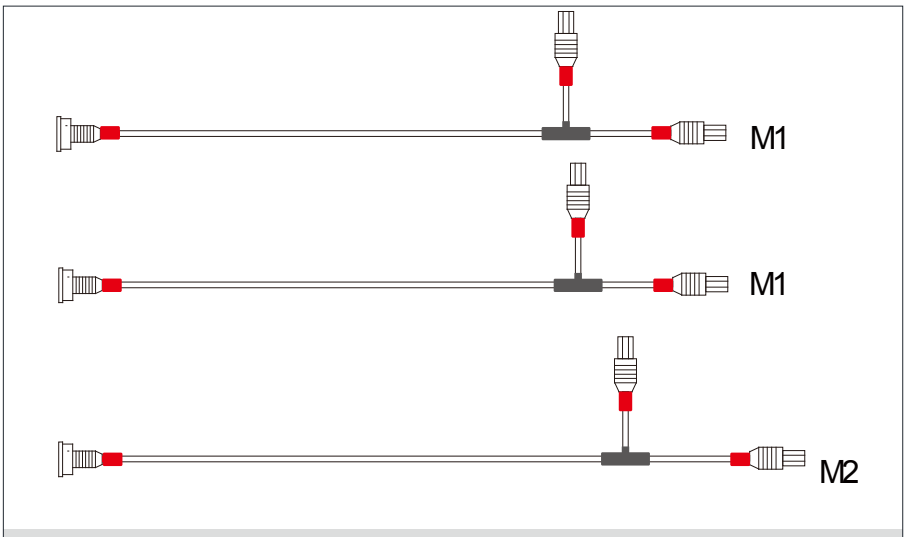
Fix the Connecting V to the bottom of the Roller Shutter Q4 (Fixed in center)

9 Remove the protective film

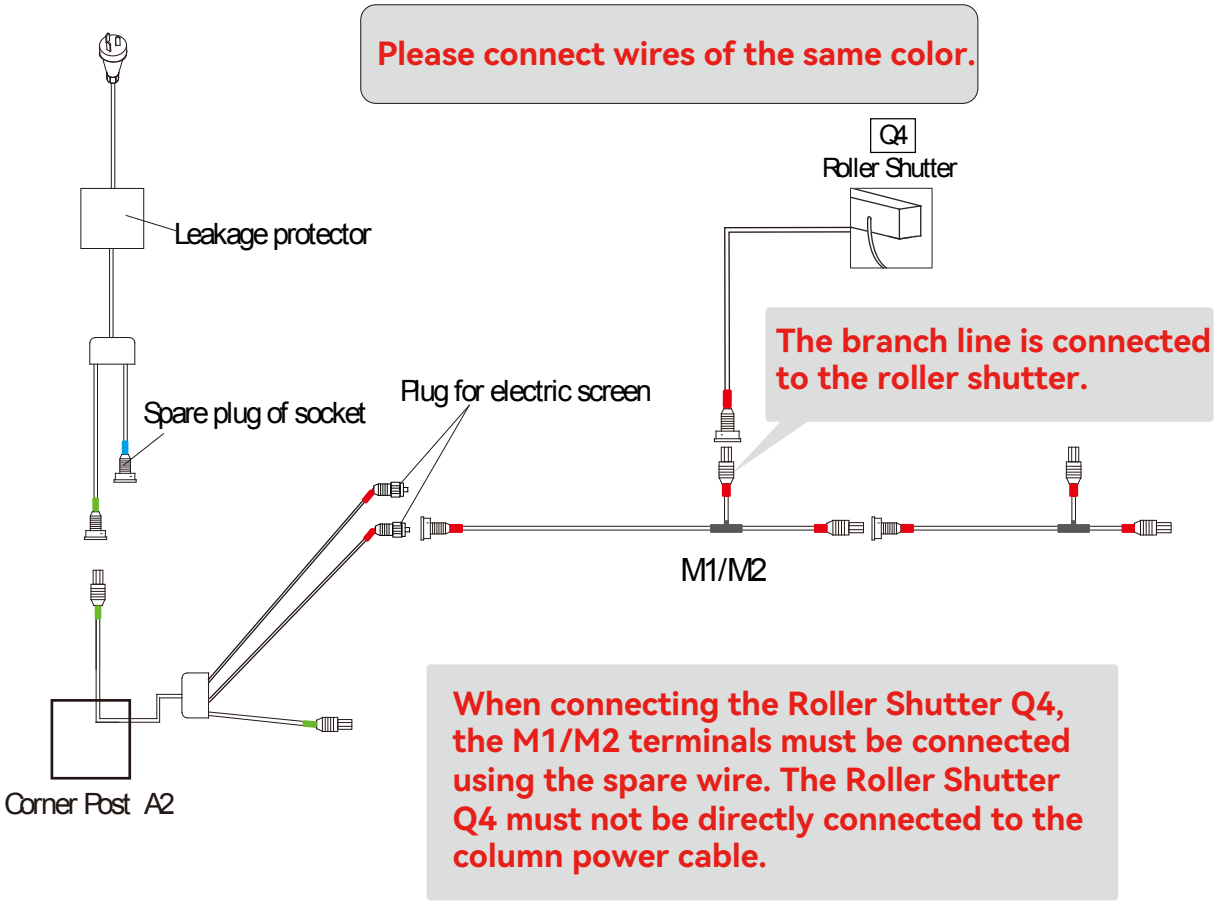




⑩ Layout of line

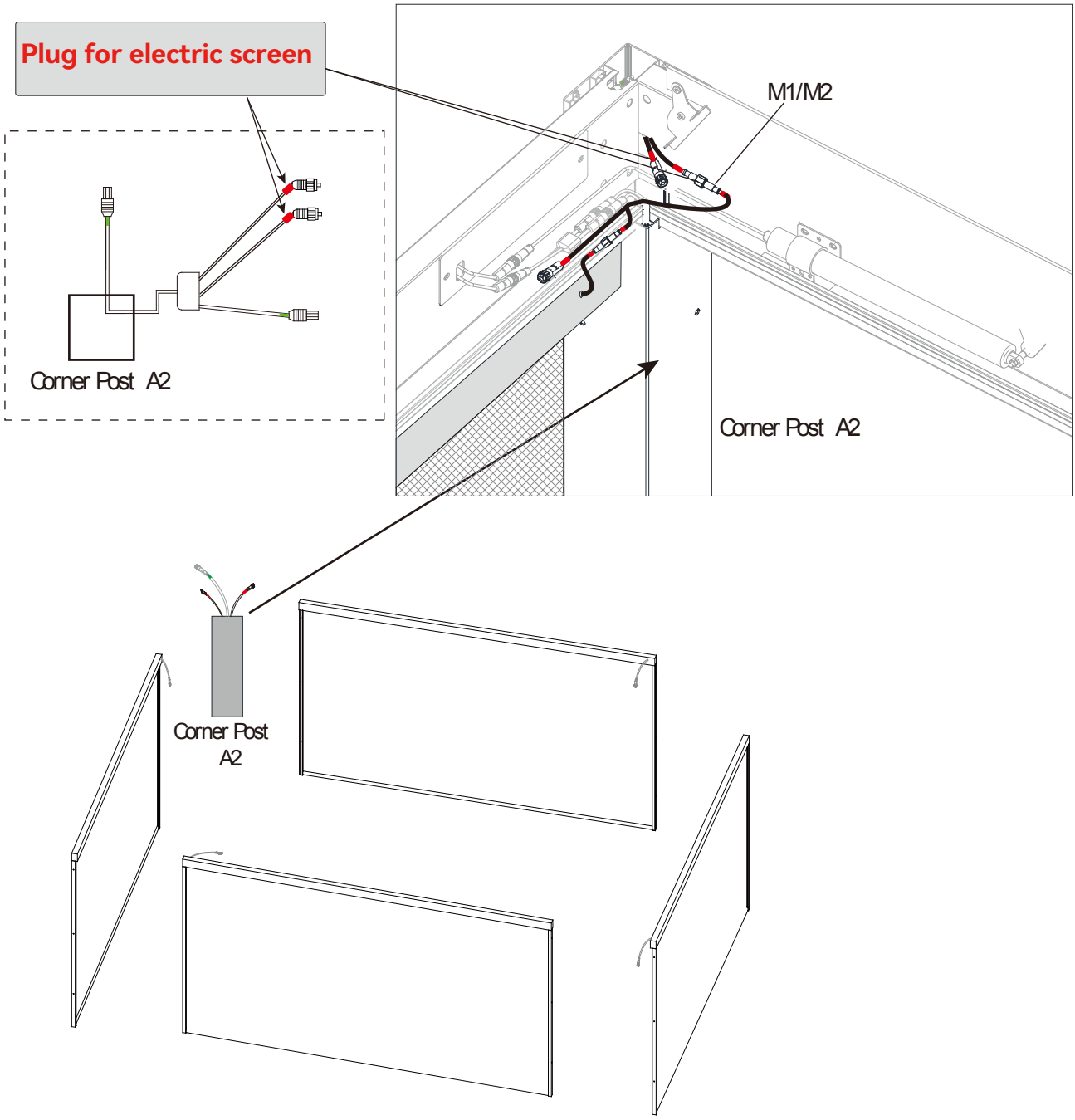


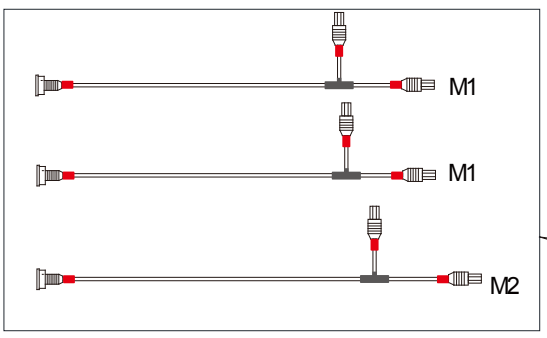
Select the appropriate line according to where the electric screen is to be installed.



Installation Instructions

11 Layout diagram of the shade

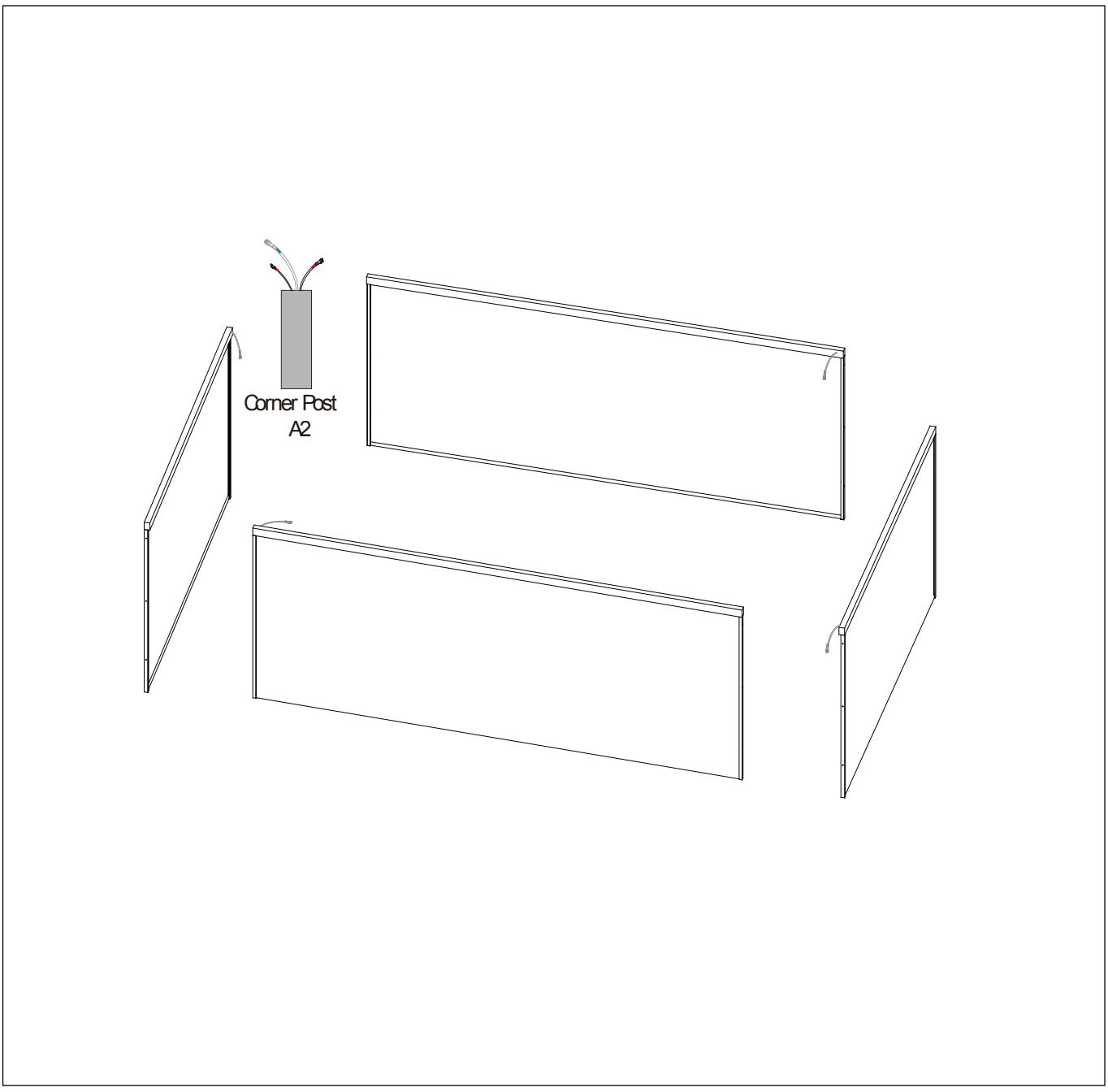


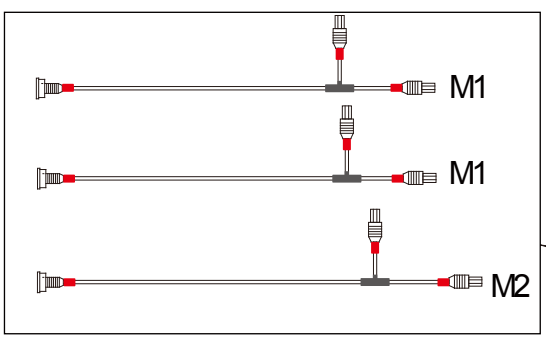


Choose the line length according to the length of the distance.

Spare wires

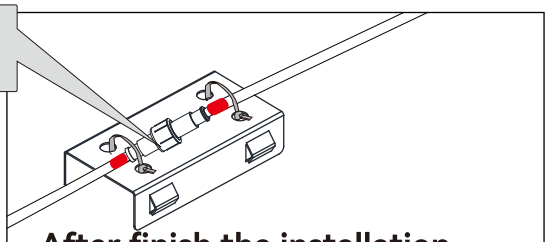
12 Installation of single shade





Spare wires

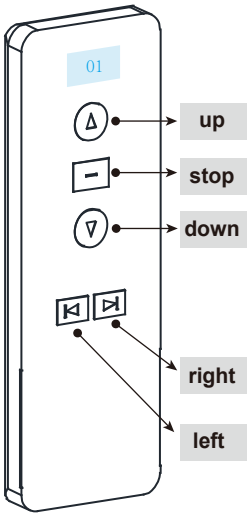
The joint must be tightened.



After finish the installation , place the line connector on the bracket. Secure with tie wraps.

Remote Control Operating Instructions

Remote Control Pairing Instructions



Note:When pairing the electric screen, make sure to turn off the main power supply beforehand. If multiple electric screens require pairing, ensure that only one screen is connected to the power supply at a time. All other screens must be temporarily powered off to prevent cross-pairing or signal interference.

（After completing the first screen, turn off the power before pairing the second screen. No other screens should be connected to the power supply until the second screen is paired. If an error occurs, please restart the process.）

The 1st electric screen	Channel **03**: Turn off the power, press button“⏮⏭” to switch to the channel ‘03', then long press the button “▲” and at the same time turn on the main power, when the roller shade starts to shake,release the button “▲”,then press the button“▲” once again, the roller shade shakes once again and the pairing is completed.
The 2nd electric screen	Channel **04**: (Repeat the above operations)
The 3rd electric screen	Channel **05**: (Repeat the above operations)
The 4th electric screen	Channel **06**: (Repeat the above operations)
The 5th electric screen	Channel **07**: (Repeat the above operations)
The 6th electric screen	Channel **08**: (Repeat the above operations)

Remote Control Operating Instructions

To lower the screen	Press the button “⏮⏭”, switch to the channel number corresponding to the roller shade, then press the button “▼” to lower the shade.
To raise the screen	Press the button “⏮⏭”, switch to the channel number corresponding to the roller shade, then press the button “▲” to raise the shade.
To stop the screen	Press the button “⏮⏭”, switch to the channel number corresponding to the roller shade, then press the button “–” to stop the shade.

When the roller shutter stops due to an obstruction:

The roller shutter's anti-collision mechanism will be activated, then wait for 5s to operate the shade up or down.

Help Center

Have questions about your product? We are always here to help.



Chat Support


Product Inquiries



Order FAQ


Product Assembly



Returns & Refunds

10 Years Warranty & Free Return Policy Within 100 Days

10 Yearrs Warranty

We offer a limited warranty on the components of the pergola. The main structural frame is covered for up to 10 years. Auxiliary components, such as the opening and closing mechanisms, are covered for up to 7 years. The warranty period begins once the product is installed and registered.

Returns and Exchanges Within 100 Days

We offer free replacements for any damaged, defective, missing, or quality-compromised parts or products upon receipt. Additionally, you can enjoy our pergola with confidence, backed by a 100-day return and exchange policy.

Return Shipping Costs

Return shipping costs will depend on the specific reason for the return.

FlexPatio covers return shipping costs in the following cases:

- Wrong items delivered
- Products with damage or defects not caused by transportation
- Missing or incorrect accessories
- Quality issues that require replacement parts

Customers are responsible for return shipping costs in the following cases:

- Returning the product due to a change of mind
- Unsatisfied after the 100-day trial period
- Canceling the order while the item is already in transit

Return Process

How to Return:

- To initiate a return, please contact us via email, phone, or message. Once we receive your request, we will confirm it and provide detailed return instructions.

Return Steps:

- Contact us to receive return instructions. (Please do not return items to the shipping address; we will provide the correct return address.)
- Fill out the return form with your order number, reason for return, and any other relevant details.
- Securely pack the item in its original packaging and keep the original labels intact
- Ship the item back using the return label we provide (if applicable).
- Once we receive and inspect the returned item, we will process your refund within 24 hours.

Reach Us At

Email: support@flexpatio.com

Phone: +1 213-456-9168

Website: www.flexpatio.com