

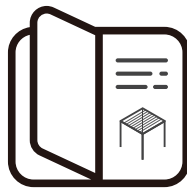
**PERGOLA  
NEO ALU-H  
FREE STANDING**

**INSTRUCTION MANUAL.**

**3x3  
ELE+LED**



# We appreciate your purchase of our Pergola.



## Instruction Manual

This guide will give you step-by-step instructions on how to assemble and care for your pergola, ensuring it lasts for years of enjoyment and reliable use.

Be sure to follow all steps carefully, as in correct installation may result in serious injury.

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### **IMPORTANT:**

Warning: Safety Instructions

For the safety of individuals, it is crucial to follow these instructions. Please retain them for future reference

For children aged 8 years and older, as well as individuals with reduced physical, sensory, or mental abilities, or those lacking experience and knowledge, provided they have received proper supervision or instruction on how to use the appliance safely and are aware of the potential hazards.

Children should not be allowed to play with the appliance. Cleaning and maintenance tasks should only be performed by children under supervision.













This pergola is designed for outdoor residential use, providing protection from direct sunlight, glare, and heat.

Any use or modification not outlined in this manual is considered improper and could pose significant risks to both users and property. Such actions will void the product warranty.

# BEFORE THE INSTALLATION

## PREPARE ALL THE NECESSARY TOOLS

To assemble your pergola properly and safely, make sure you have the following tools and accessories on hand, as these are not included.

											
2 step ladders	Protective gloves	Hexagonal spanner/wrench set	Phillips screwdriver	Hammer	Tape measure	Hard hat	Box cutter	Hammer drill	Spirit level	Cordless screwdriver	Scissors

## CHECK FOR MISSING PARTS:

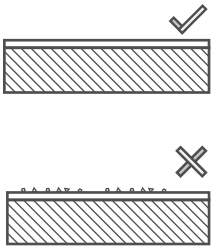
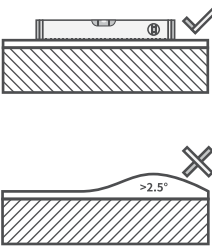
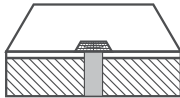
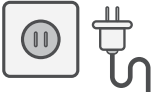
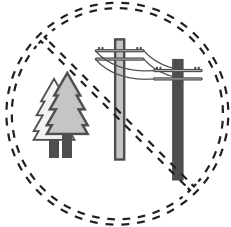
Before starting the installation, verify that you have all the necessary parts to assemble your e-Motion. Double-check that the quantity of parts matches the model you purchased.

If any parts are missing, please reach out to customer service before proceeding with the installation.

## PREPARE THE PARTS FOR EACH STEP:

In the Installation section of the manual, each step specifies the parts and quantities needed. We recommend gathering the necessary parts ahead of time for each step. This will help save you time and make the assembly process smoother. To avoid damaging the painted surfaces, place the parts on cardboard or another soft surface if possible.

## CHOOSE AN APPROPRIATE LOCATION:

				
The ground should be solid and level.	The ground must be flat and even.	Ensure there is adequate water drainage in the area.	Make sure the location has easy access to power, if needed	Avoid areas with overhanging trees or powerlines.

## WARNING:

Many terraces or patios are built with a slight slope to direct rainwater away from the house or other structures. For proper pergola installation, a completely level surface is required. Small pebbles or uneven ground may prevent the pergola from being securely anchored.

If the pergola is installed on an uneven surface, it may affect the performance of accessory components and could void the product warranty. You may also need to adjust the height of the pillars for proper installation.

## PREPARE THE FOUNDATION:

To get your foundation ready, make sure to:

Check for underground pipes and cables (call local relative authorities before digging).








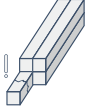
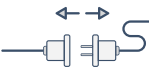
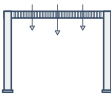
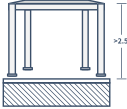



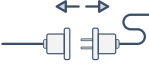


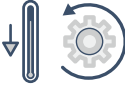


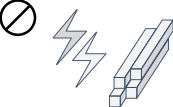

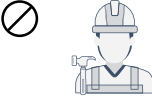

Verify with local authorities if any building permits are necessary.

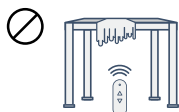

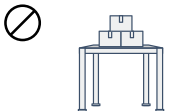
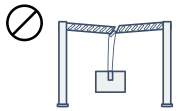


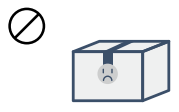
If you're opting for a concrete base, consult with a reputable contractor.



# IMPORTANT SAFETY SUGGESTIONS

To ensure the safety of everyone involved in the installation and use of the pergola, it is essential to follow the safety guidelines listed below.

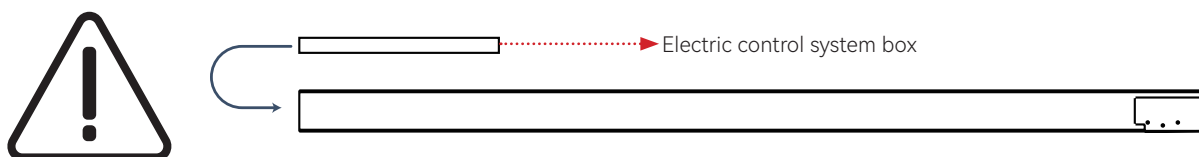
	The pergola must be placed and secured on a flat, level surface.		Always wear suitable work shoes, gloves, and eye protection during assembly.
	When using power tools or a ladder, always adhere to the manufacturer's safety instructions.		Always wear protective gear to minimize the risk of injury in case of a fall.
	Ensure the pergola meets local building regulations and codes.		Do not step on the louvers.
	Use only ladders and scaffolding that can support the required weight.		Visually inspect the pergola for damage prior to each use. If damage is detected, stop using it immediately and reach out to authorized personnel to fix it.
	Remove any excess cords and disconnect any non-essential equipment before installing the drive.		To avoid damage, set the louvers in the vertical position during snow or windy conditions.
	Unprotected moving parts that pose a hazard should be installed more than 2.5 meters above the floor or any surface that could allow access to them.		Always use replacement parts that are approved by the manufacturer.
	To avoid damage to the pergola, ensure that foliage or foreign objects on the louvers and in the guide rails are removed frequently.		Only certified personnel are authorized to carry out electrical installation, following the relevant regulations
	Disconnect all electrical connections from the mains prior to installation.		Operate the pergola remotely only when you can see the moving parts clearly.
	Only a licensed electrical contractor should install the power sources for electric pergolas.		If the motor undergoes repeated open-close cycles, it may enter overheat protection mode and will return to normal once it cools down.
	Keep children and pets away from the assembly area until the installation is fully completed.		Dispose of all plastic bags responsibly and keep them out of reach of children.
	Keep a safe distance from power lines, especially when handling metal parts.		Avoid assembling the pergola in windy or wet conditions.
	In the event of a damaged supply cord, only the manufacturer, a service agent, or similarly qualified personnel should replace it		Do not store hot items, such as recently used grills or blowtorches, under or near the pergola.

	To prevent damage to the louvers' drive, do not operate the roof mechanism in the presence of frost or ice.		Keep clothing and body parts clear of the pergola to avoid them becoming caught in the moving parts.
	Keep items off the louvers.		It is not allowed to hang objects on the pergola, as it may result in serious damage.
	Before making any modifications to the design or configuration of the equipment, consult the manufacturer or an authorized representative.		Keep children away from the fixed controls and ensure remote controls are out of their reach.
	The warranty will be voided, and the operating mechanism may be damaged if non-original branded accessories are installed.		

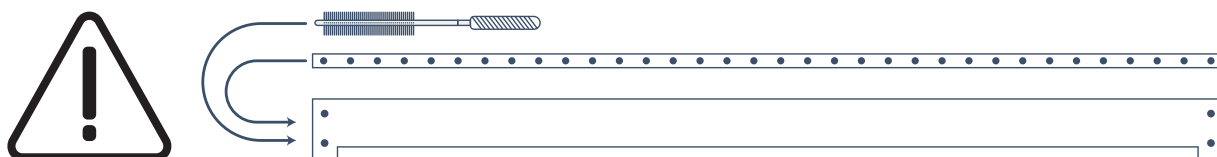


## 2 PERSONNEL REQUIRED

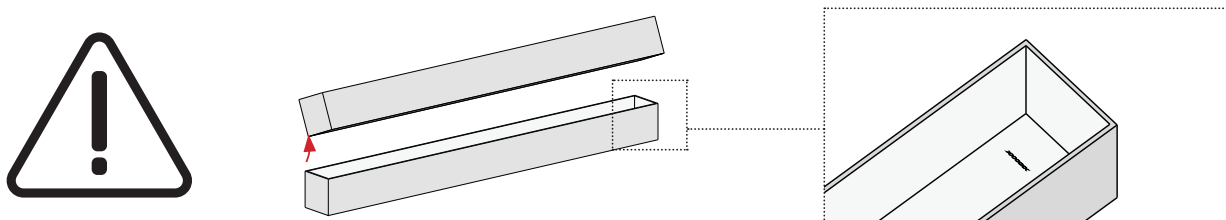
Electric control system are in the cavity of the post.



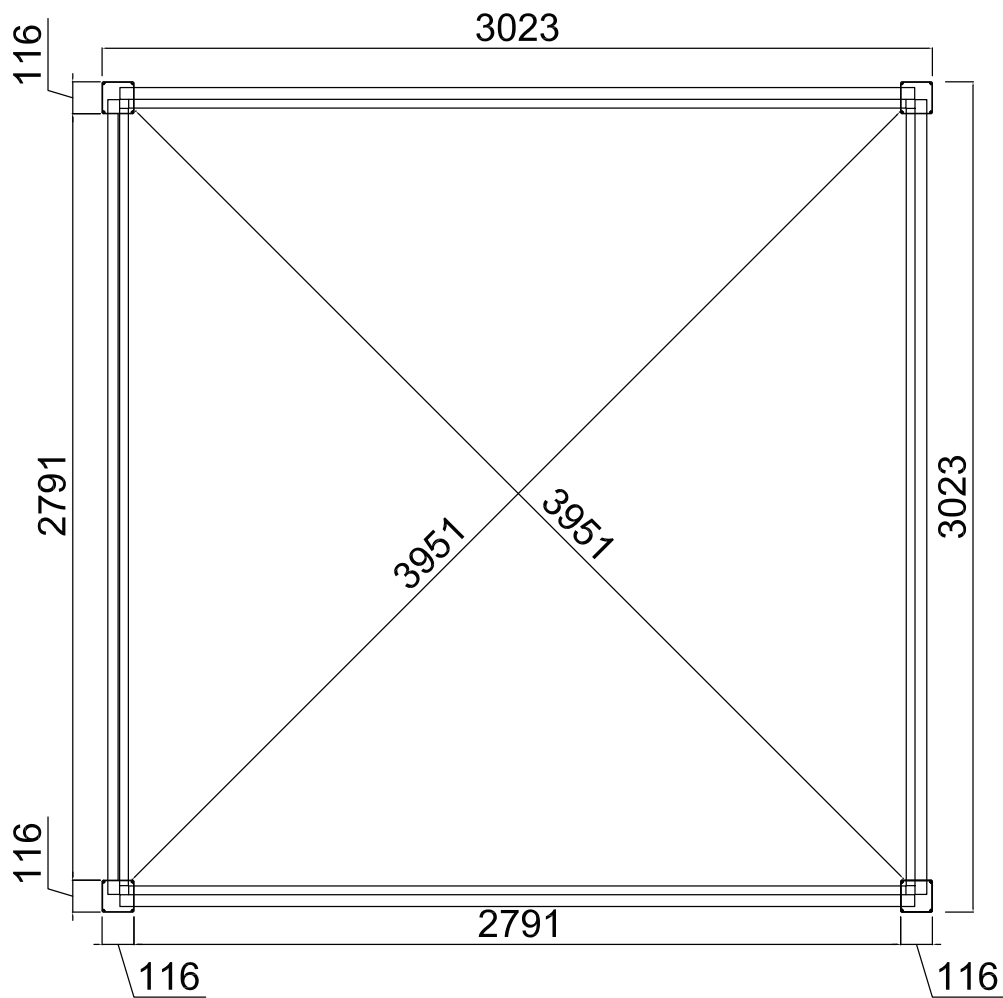
Connecting bar & brush are in the cavity of the beam.

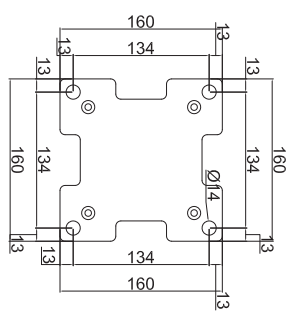
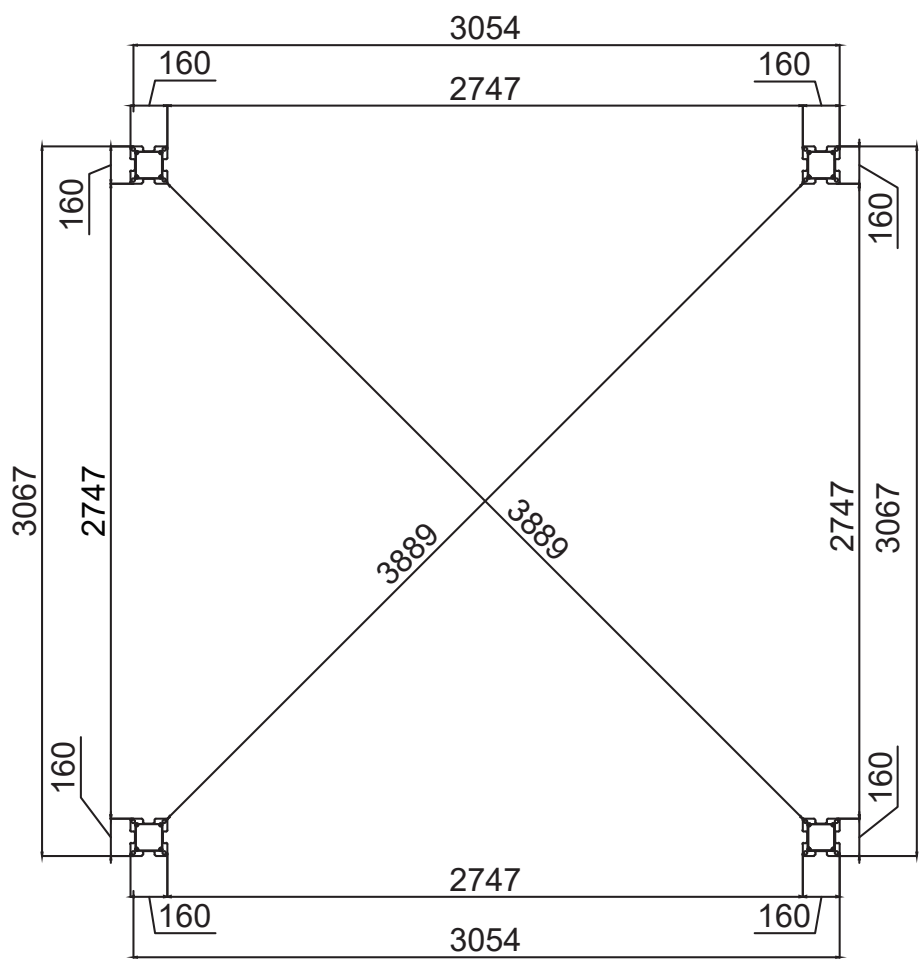


There is a Product Tracking Number in the inner side of the carton(see below diagram). For better and efficient after-sales in the future, when tear down the carton box, please take a photo of the Tracking Number and save the photo.



Plan Size









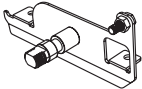
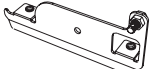
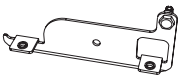





# SPARE PART LIST

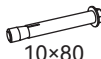


3X3









## CARTON 1/4

No.	Profile	Diagram	Size	QTY
AO			116X116 L=2550mm	4

No.	Diagram	QTY
IO		4
JO		4

No.	Diagram	QTY
KO		1
LO		18
LO-1		19
MO		37
QO		16
RO		16
SO		38
SO-1		38



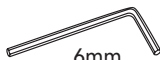

No.	Diagram	QTY
TO	 10x80	16
XO-1	 6x35  4mm	16




No.	Diagram	QTY
WO	 5x6	76
UO	 lock nut	39
UO-2		36
UO-3	 M14	1
UO-4		36
XO	 6x35  4mm	37
VO		2

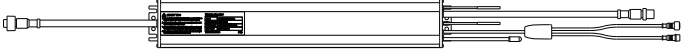
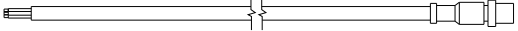
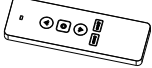

# SPARE PART LIST

3X3




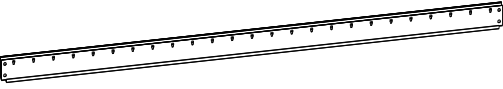

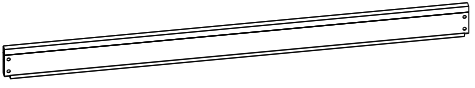

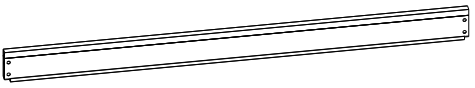




## CARTON 1/4

No.	Diagram	QTY
ZO-1	 4mm	1
ZO-2	 4mm	1
ZO-3	 6mm	1
ZO-4	 6mm	1


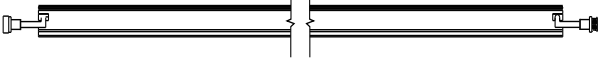
No.	Diagram	QTY
ZO-5	 10mm	1
ZO-9	 3mm	1
ZO-10	 3mm	1

No.	Diagram	QTY
E-A		1
E-B		1
E-CR		1
E-D		1



## CARTON 2/4

No.	Profile	Diagram	Size	QTY
B1			75X153 L=2894mm	1
BO-1			75X153 L=2894mm	1
CO			75X195 L=2894mm	1
CO-1			75X195 L=2894mm	1
DO			42X54 L=2894mm	2
FO			27X8 L=2744mm	1





## CARTON 2/4

No.	Profile	Diagram	Size	QTY
LED1			69X78 L=2790mm	4

## CARTON 3/4

No.	Profile	Diagram	Size	QTY
GO			166X30 L=2855mm	10

## CARTON 4/4

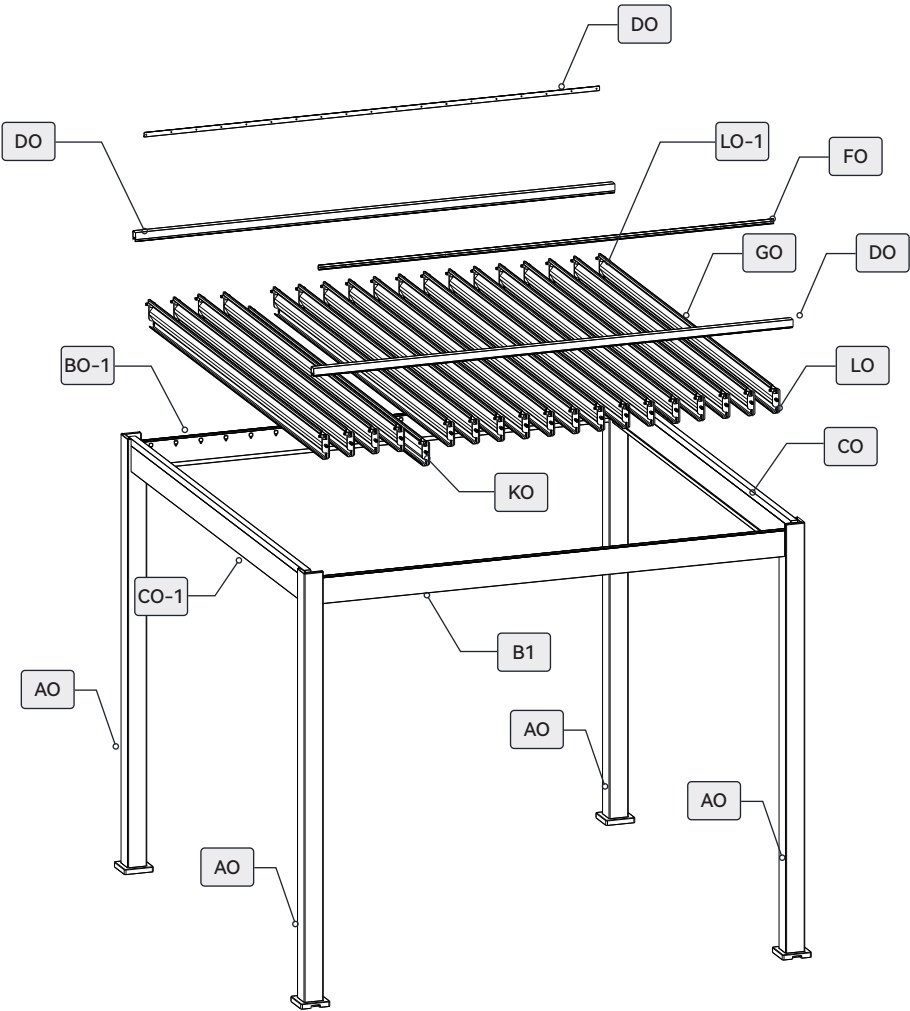
No.	Profile	Diagram	Size	QTY
GO			166X30 L=2855mm	8
GO-1			166X30 L=2855mm	1

Before proceeding with the assembly of your louvered pergola, it is necessary to check that all parts listed are supplied and not damaged.

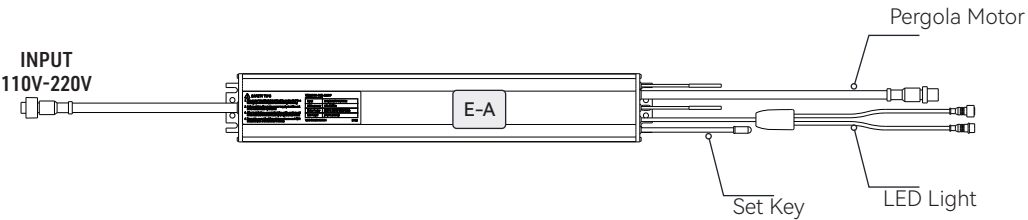
Any missing part must be reported within 10 days of delivery.

You can either go through your local outlet store or make the request directly on our website.

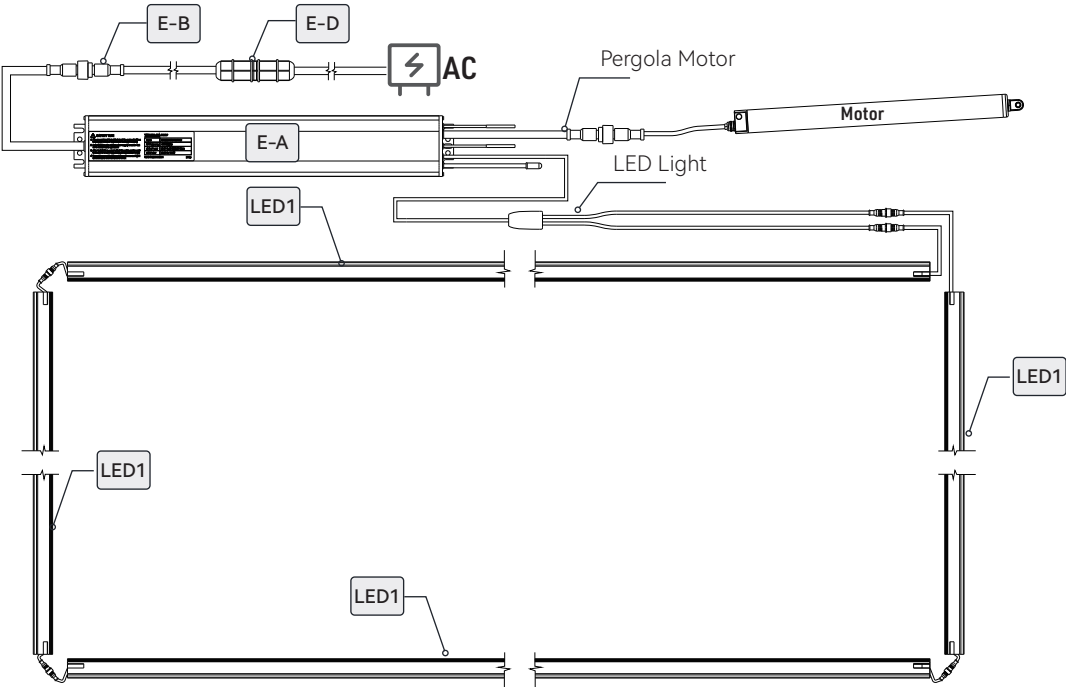
Do not discard the packaging without ensuring that the product is functioning properly.





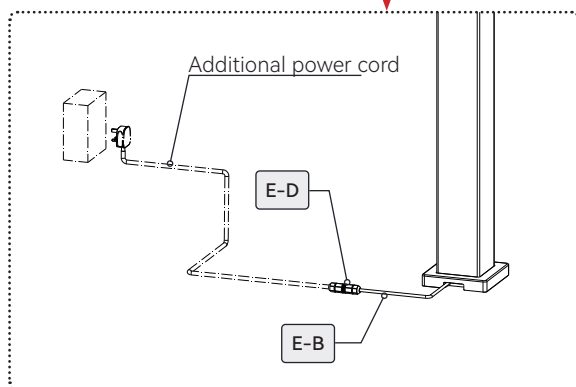
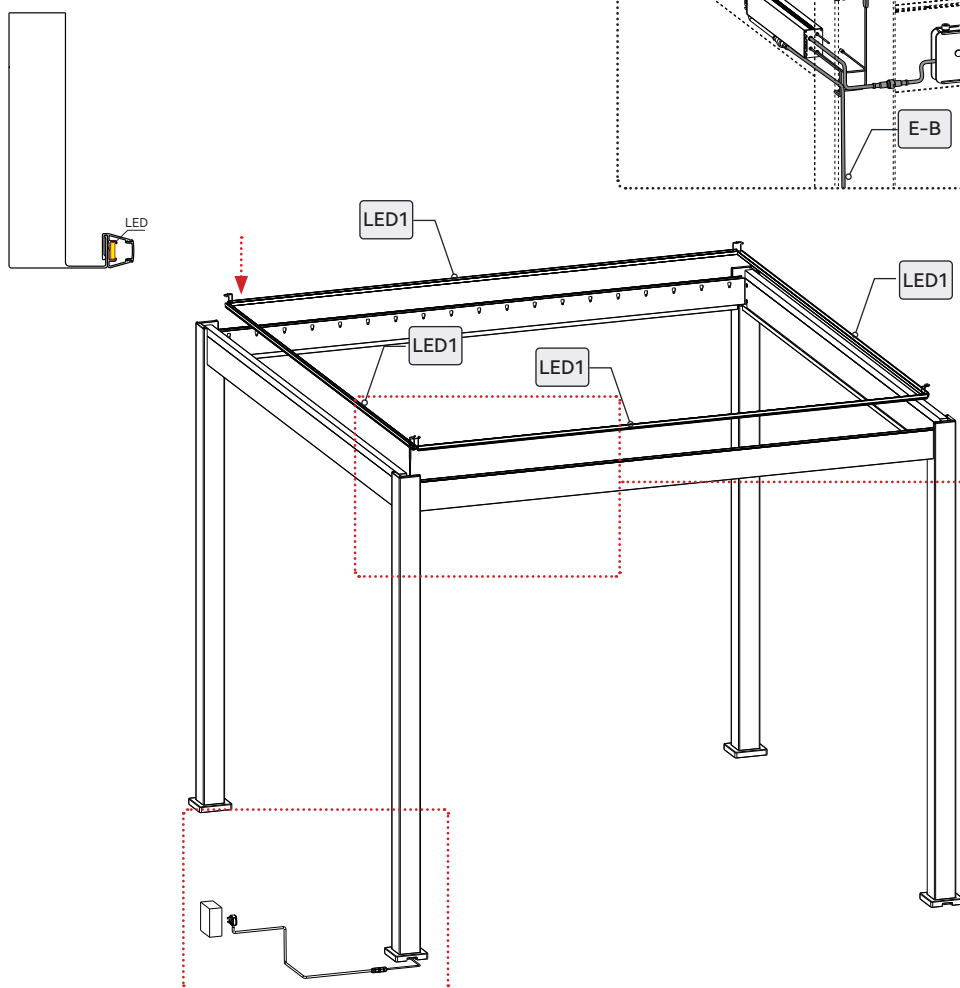
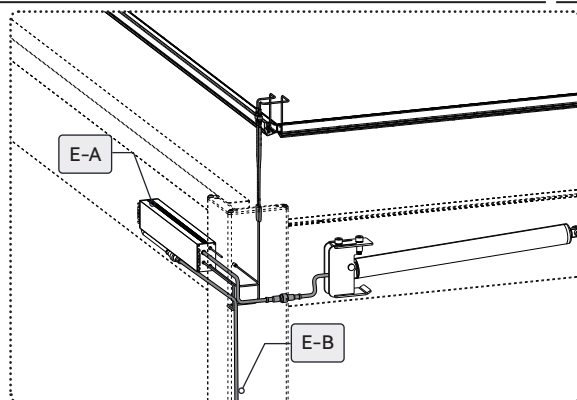


Cable Diagram



**Attention:**

The controller is to be installed within the side beam, with the input cable routed through the stanchion and emerging from the drainage aperture.

**Attention:**

Please select the appropriate power cord based on the country you are in, and connect it using a waterproof connector. This controller can support voltages ranging from 110V to 220V.









There are 3 cables at the input end of the power, namely:




Brown: LIVE WIRE

Blue: NEUTRAL WIRE

Yellow & Green: EARTH WIRE

Install the spindles for the louver cover on both sides of the louvres.  
Note: To avoid any broken of the plastic parts(MO), when use the pistol drill, please reduce the twisting force of it .

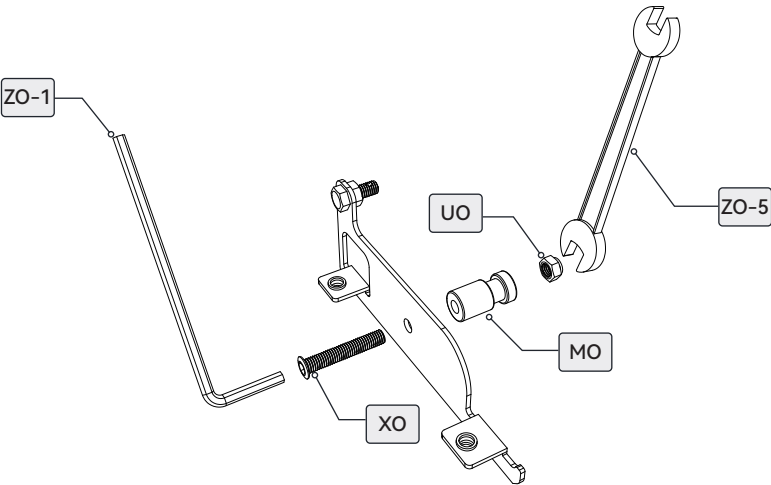
KO		1	MO		37
LO		18	XO		37
LO-1		19	UO		37

ZO-1	
ZO-2	
ZO-5	

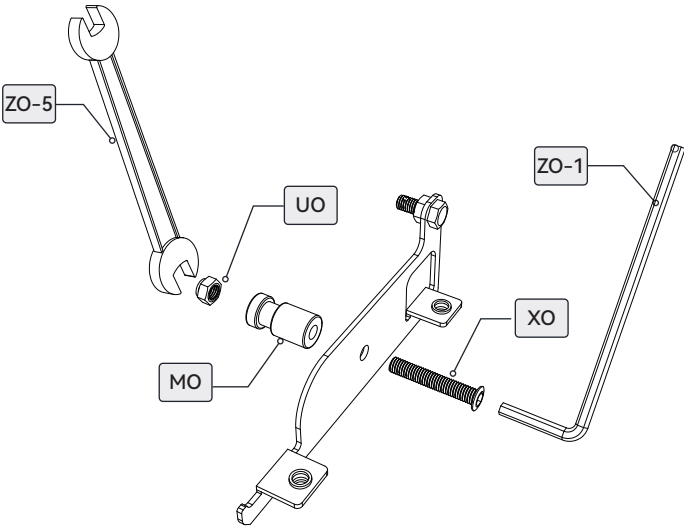
Attention:

The illustration uses a manual wrench, which can be replaced with an electric P-tip.




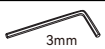


X18

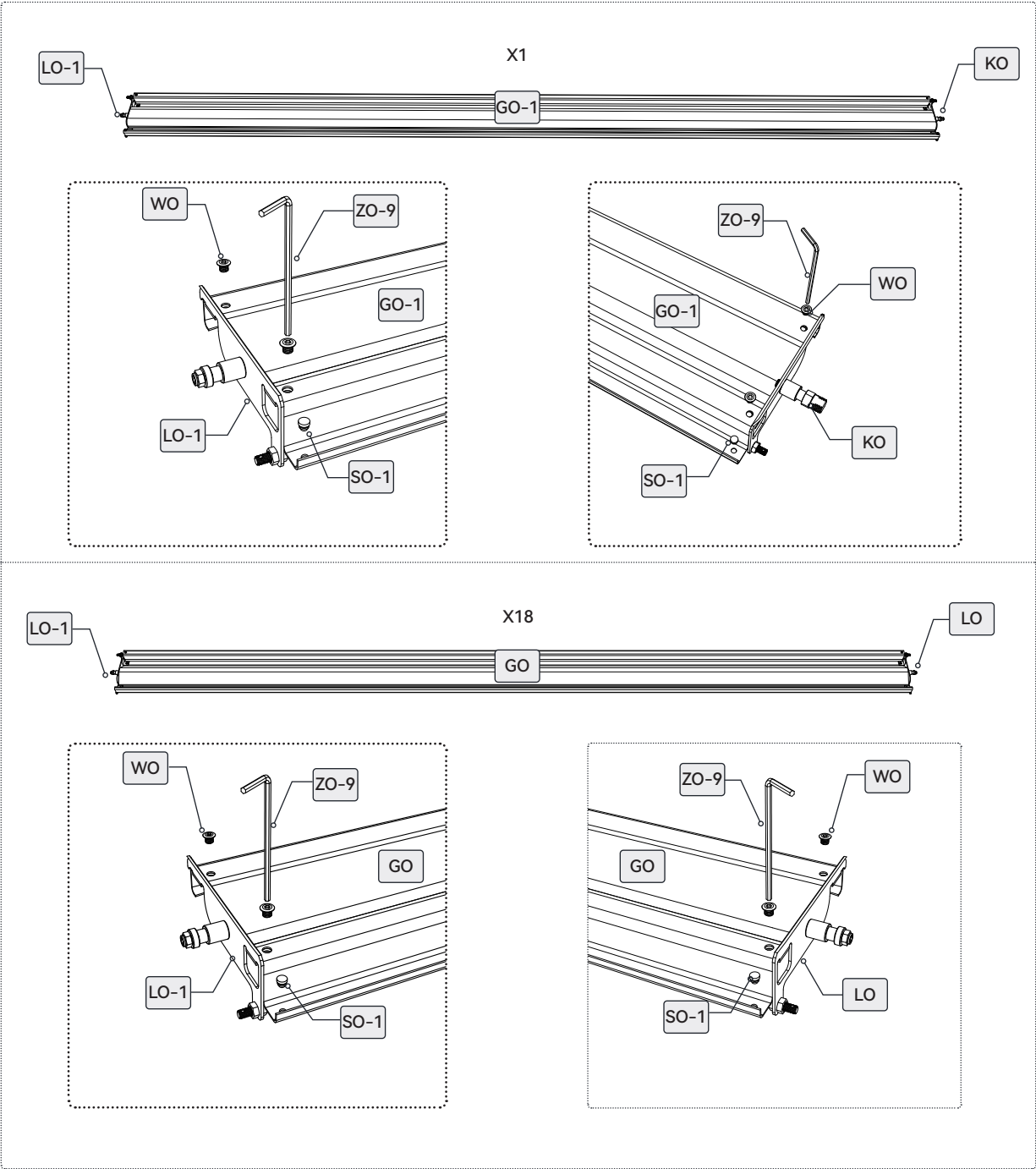


X19





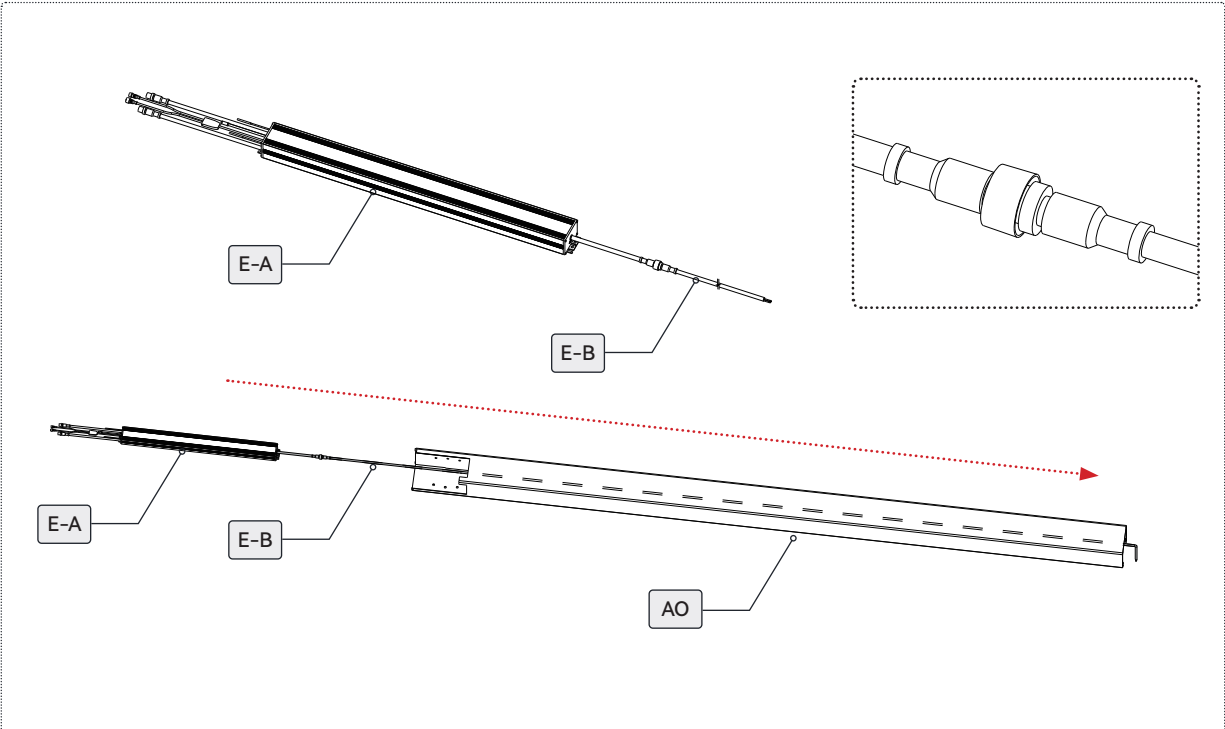
Install the louver cover on both sides of the installed louvres and the spindle louver cover on both sides of the louvres.

GO		18	WO			76	ZO-9	
GO-1		1	SO-1			38		

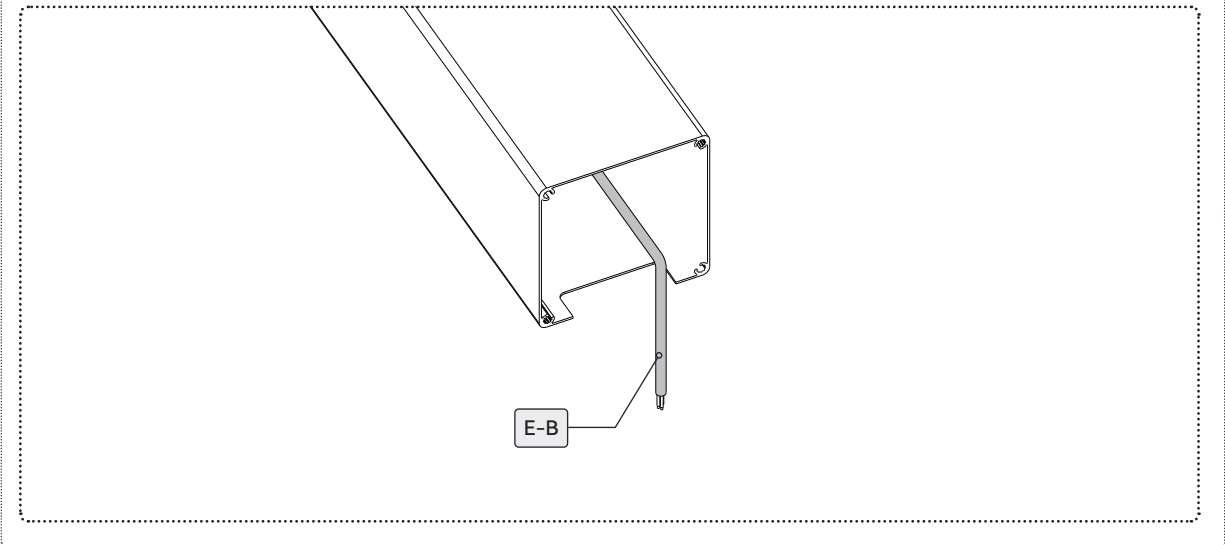


First, connect the input end of the controller to an extension cable, then pass the extension cable through the upright and out from the drainage hole to prevent interference with the subsequent installation of the base plate.







E-A		1
E-B		1

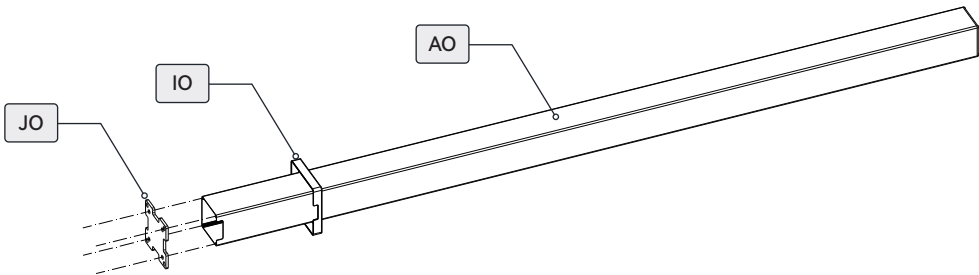


**Attention:**  
Please fasten the screw by hand after installing these screws.



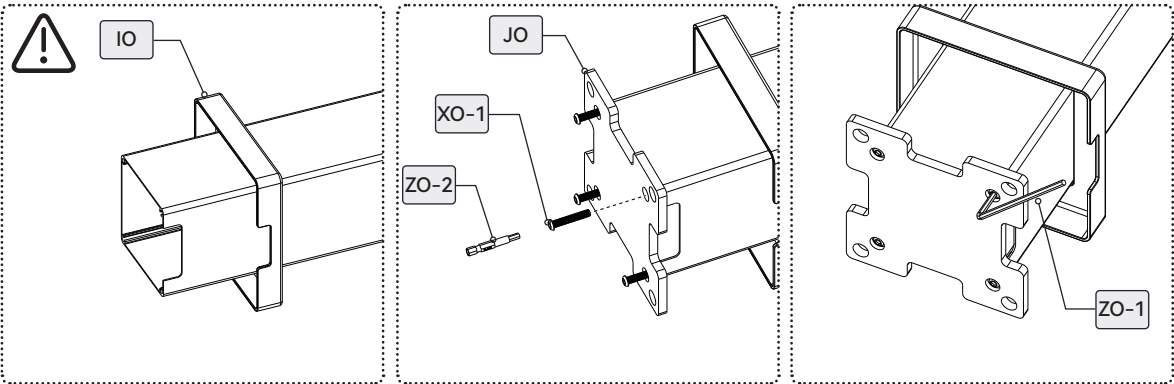
- 1. Install the post skirt first
- 2. Make sure the outlet of the skirt and the post are on the same face

AO		4	IO		4	XO-1		16	ZO-1	
			JO		4				ZO-2	



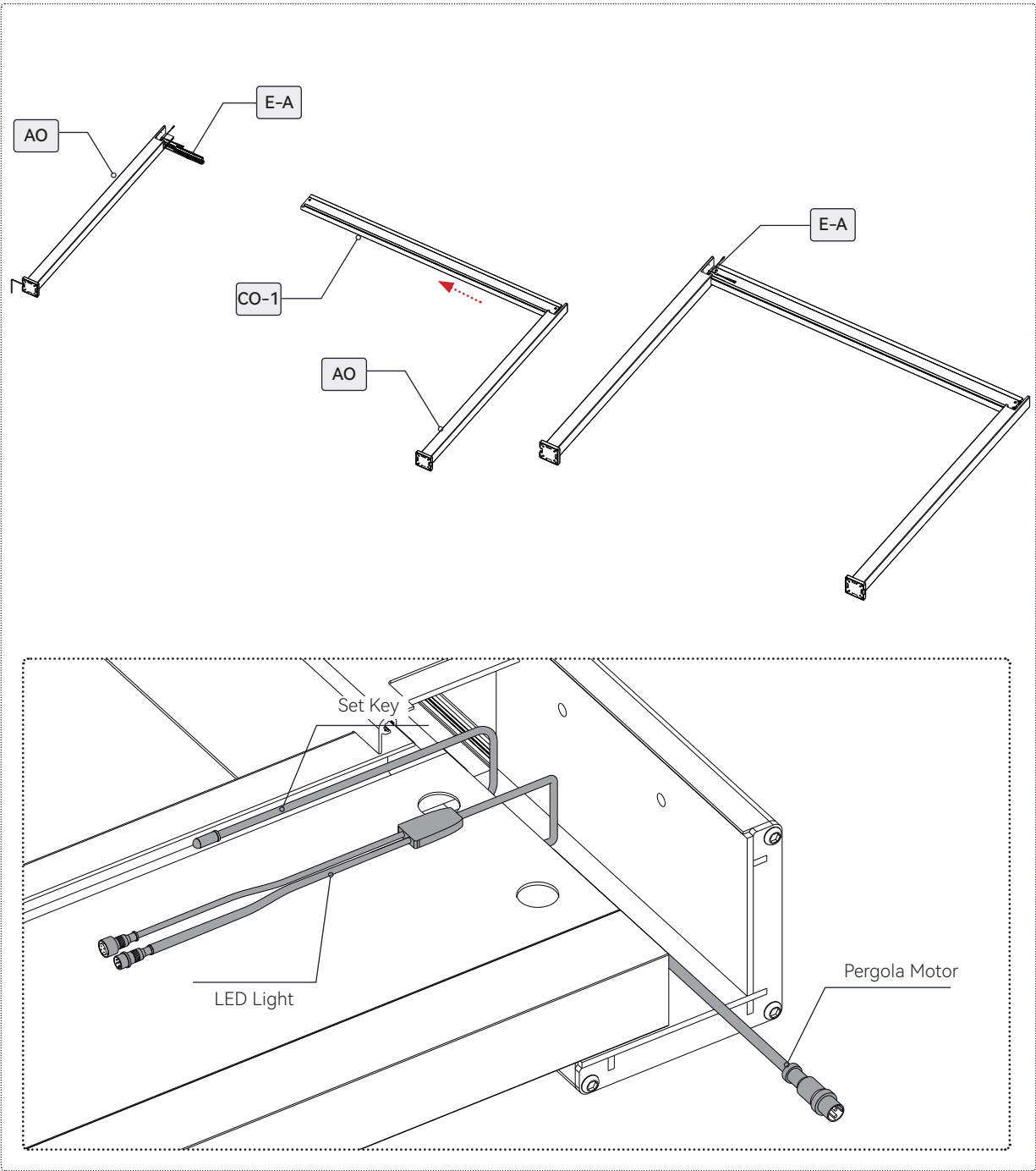
**Attention:**

Please fasten the screw by hand after installing these screws.








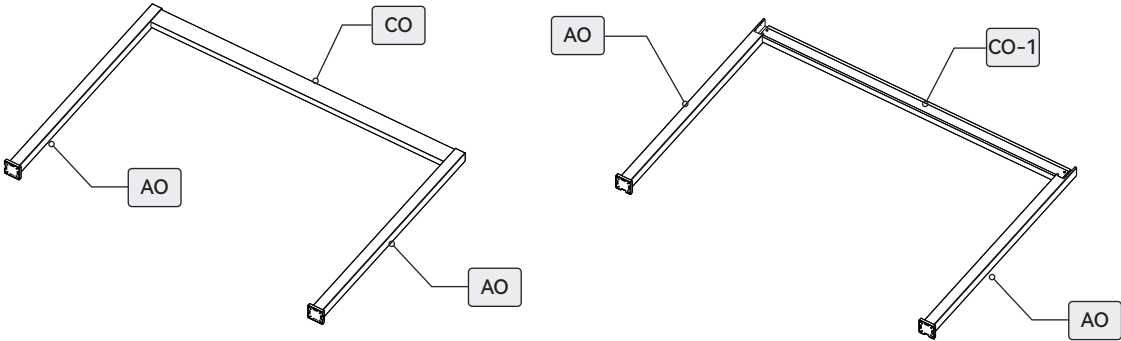
Extract the relevant output cables of the controller to facilitate subsequent installation.

CO-1		1
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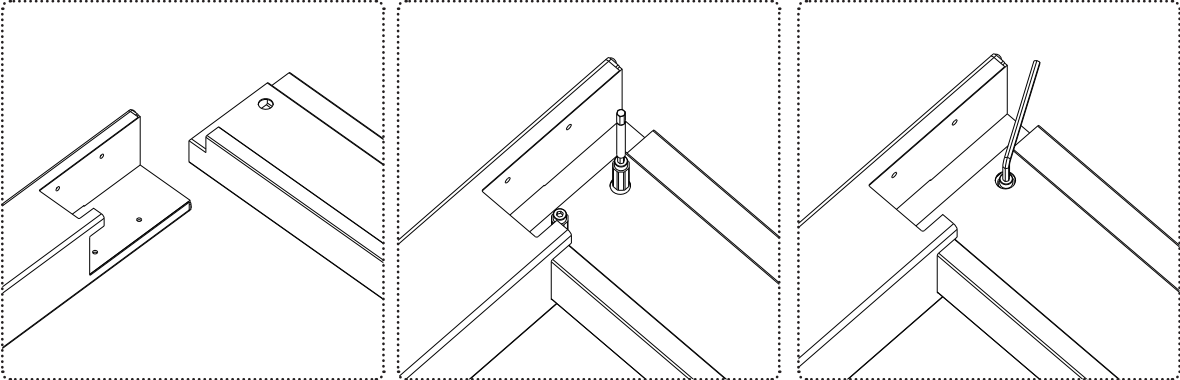
Install the screws for the side beams.

CO		1	QO			8	ZO-3		6mm
							ZO-4		6mm





**Attention:**

Please fasten the screw by hand after installing these screws.





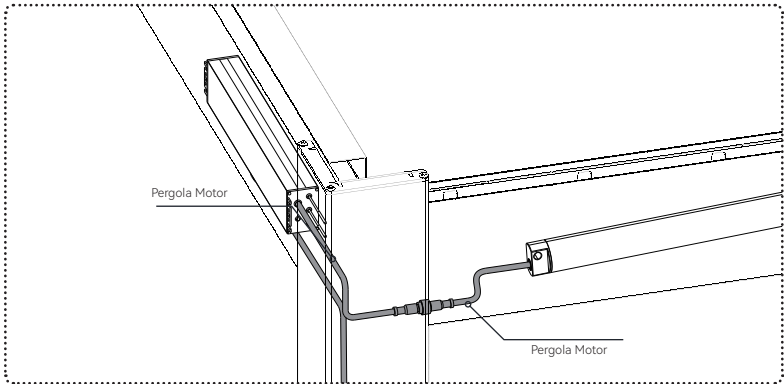
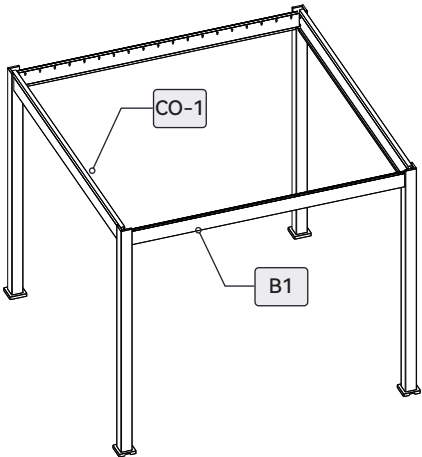
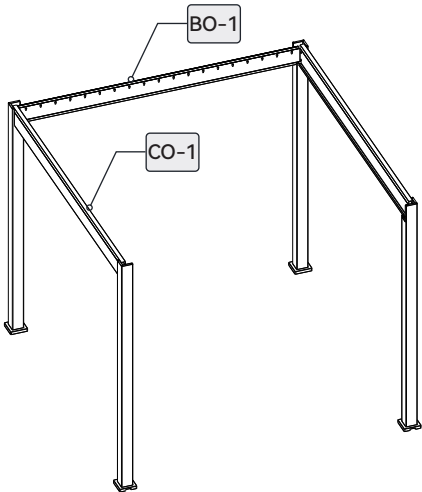


First, position the secondary beam, followed by the primary beam, taking care to note the motor connection cable on the primary beam. Then, connect the motor cable from the controller to the motor.

B1		1
BO-1		1

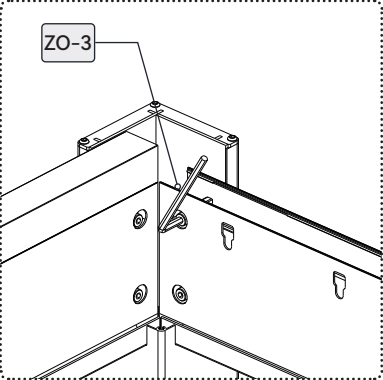
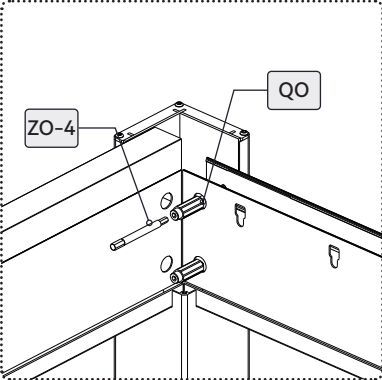
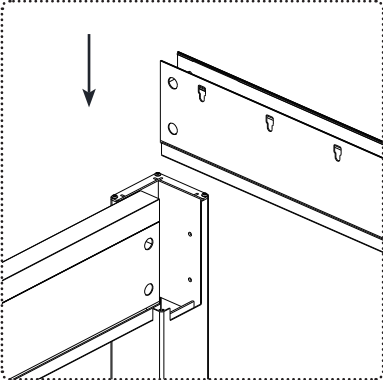
QO			8
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ZO-3		6mm
ZO-4		6mm

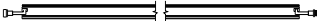


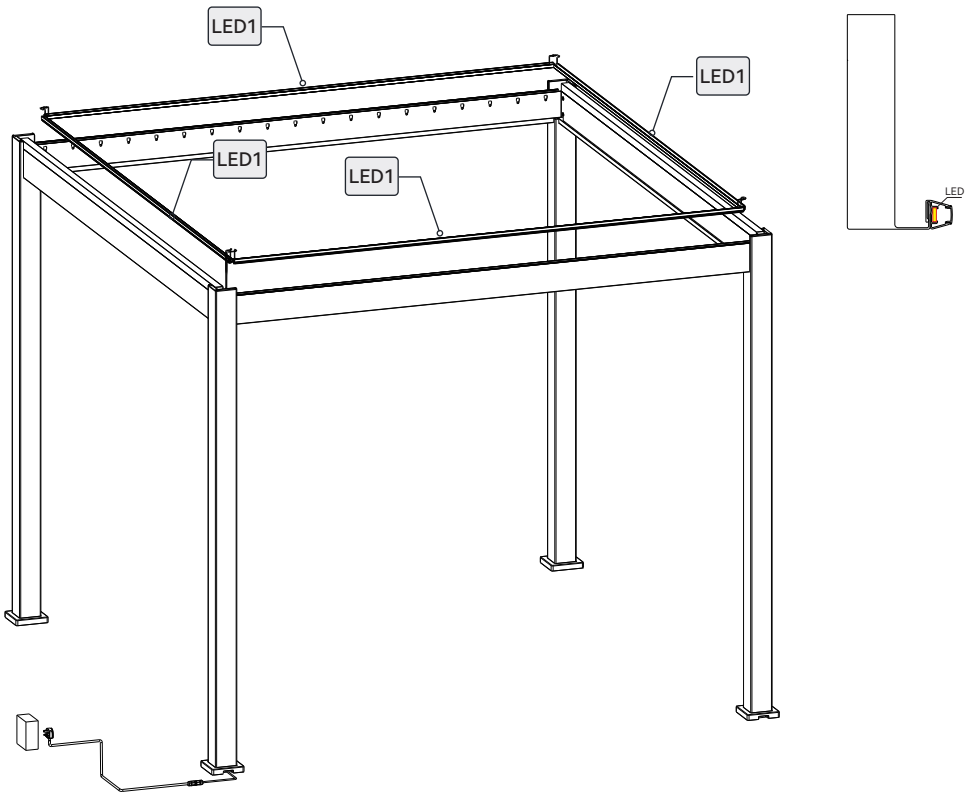
**Attention:**

Please fasten the screw by hand after installing these screws.



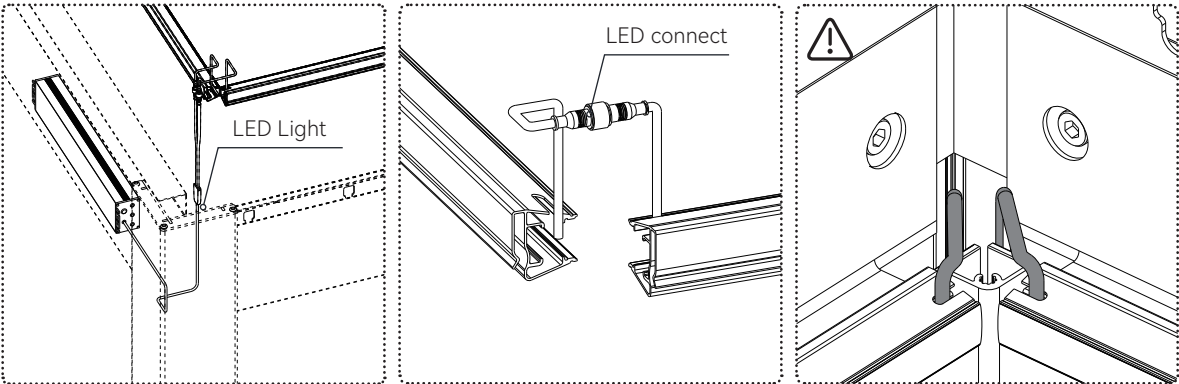
Place the external light strip, connect it to the controller, and link them together in series.

LED1		4
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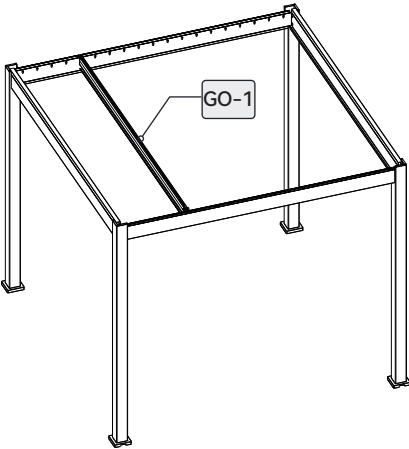
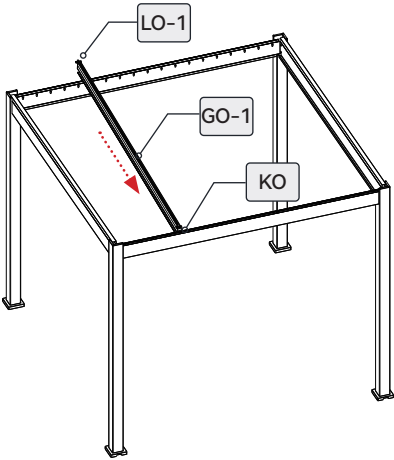
**Attention:**

Interconnect the LED strips and connect one segment to the controller's LED terminal. After completing connections, securely route the cables into the drainage port.



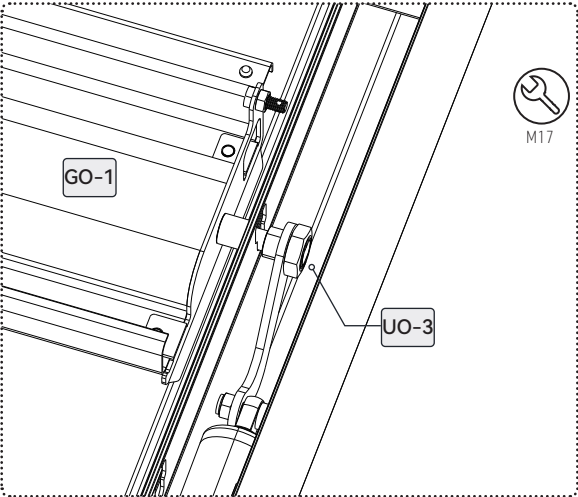
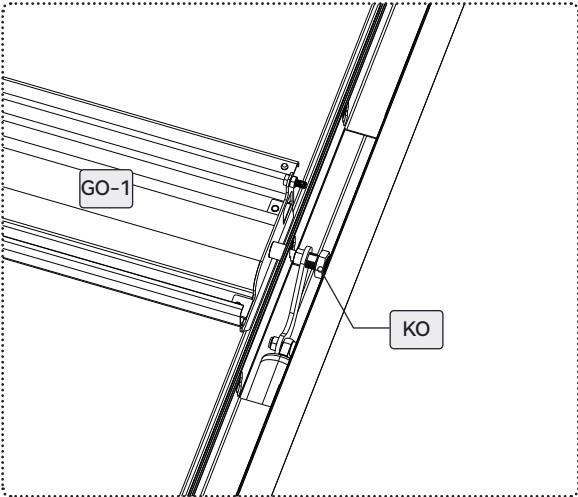
Install the main shaft louvers and secure them using screws.Ensure that the louvers are level.

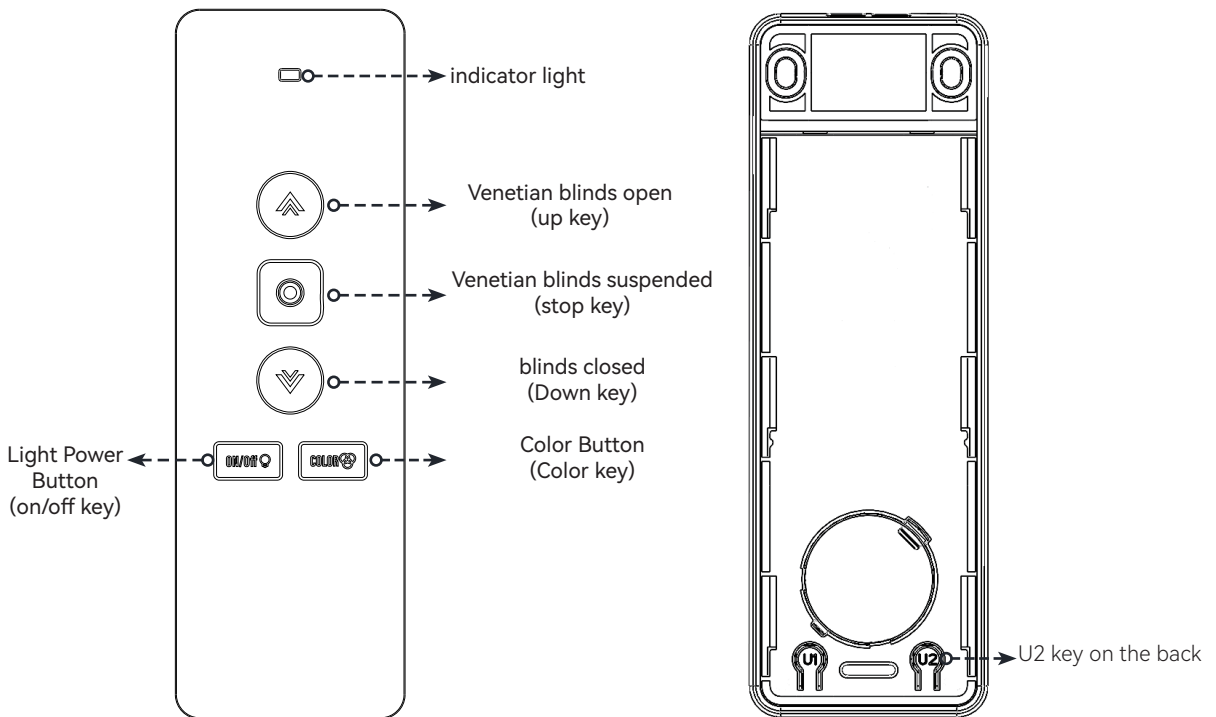
UO-3	 M14	1
------	---	---



**Attention:**

Tighten using a wrench.





## RGB Lighting Function

### Light Power Button Function:

Short Press: Cycle control for turning the light on/off.

Long Press (2 seconds): Cycle dimming for brightness, gradually dimming and brightening.

### Color Button Function:

Short Press: Cycle through 8 color modes: red, green, blue, yellow, cyan, purple, white, and automatic color changing.

Long Press (2 seconds): Gradual color cycling and color adjustment.

The product also supports the TUYA function. The product can be controlled by downloading TUYA. The user must use this function when the WIFI signal is sufficient.

### Reset Network:

Long press the "SET SKY" on the controller for 7 seconds.

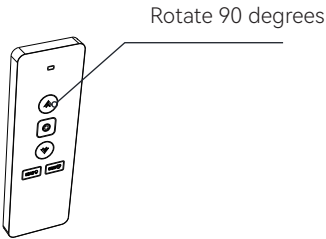
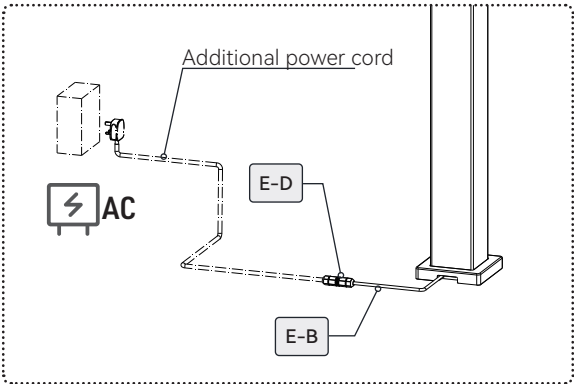
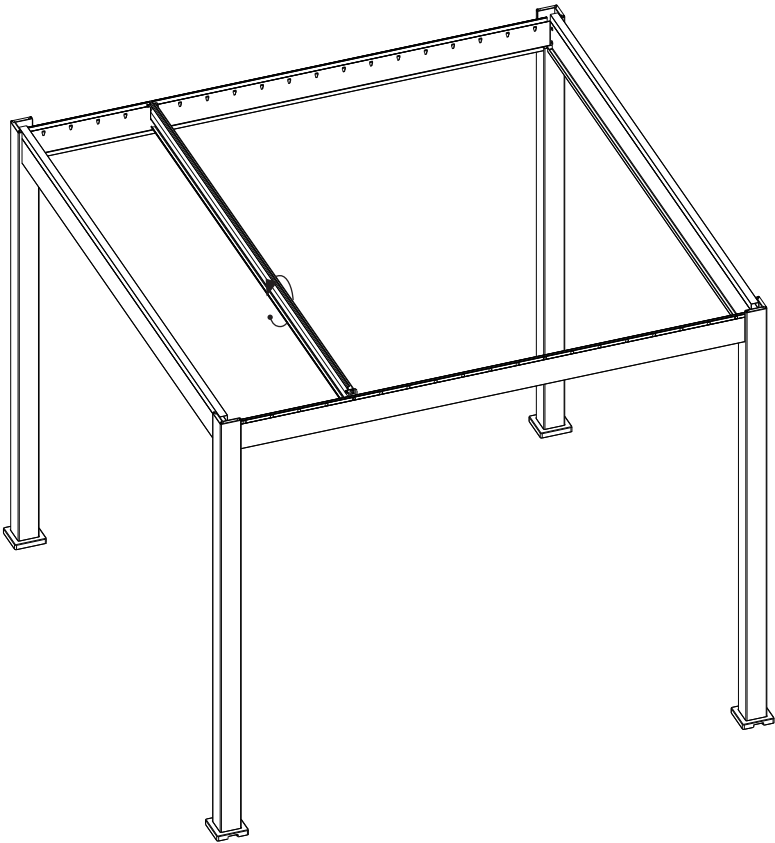
The indicator light will stay off for 1 second, indicating that the network has been successfully cleared.



Energize the pergola and manipulate the remote control to rotate the shutters to a 90-degree position, thereby facilitating the subsequent installation of additional shutters.

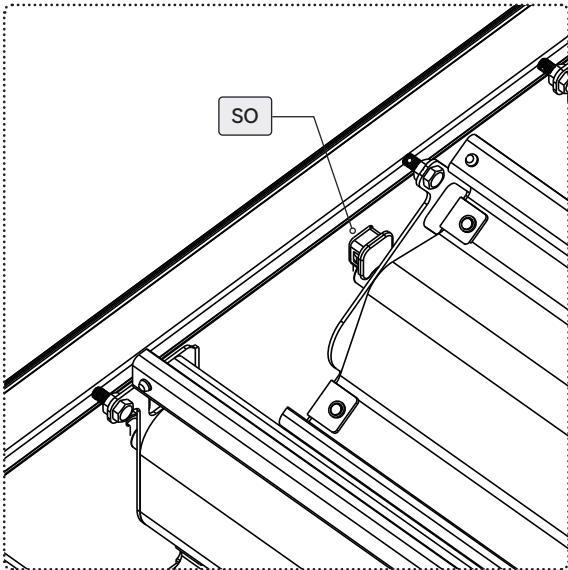
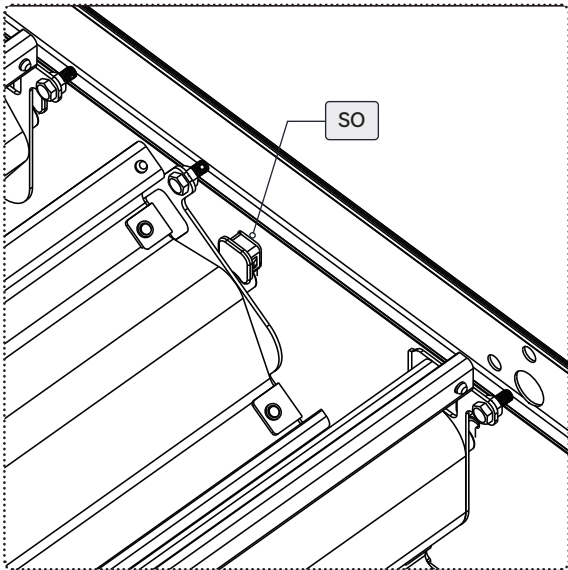
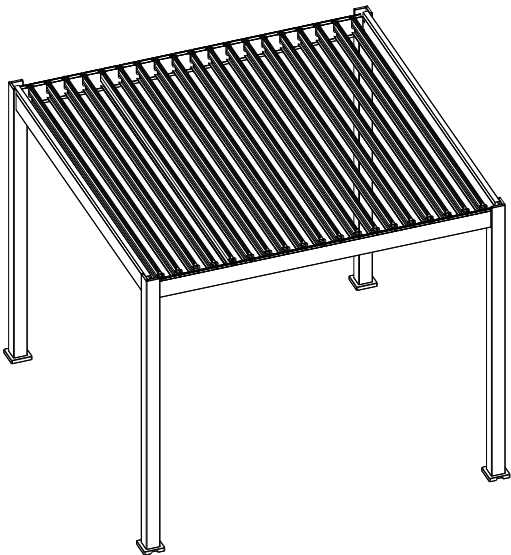
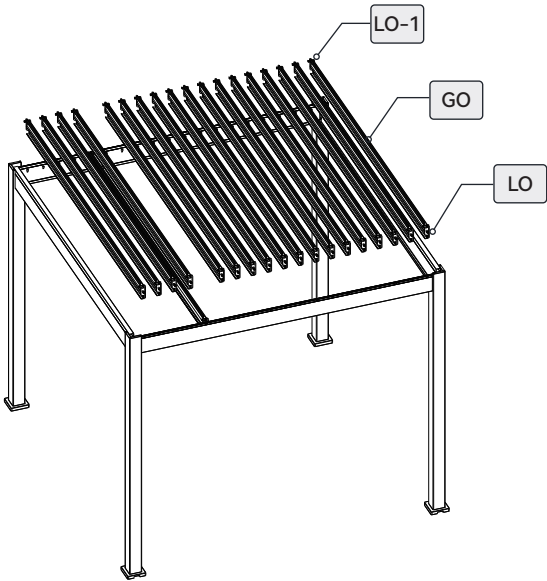
E-CR		1
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Install the battery(purchase separately) into the remote control(E-CR) Tip. The battery mode we suggest is CR2450.





Install the louver for the pergola and attach the end caps on both sides.

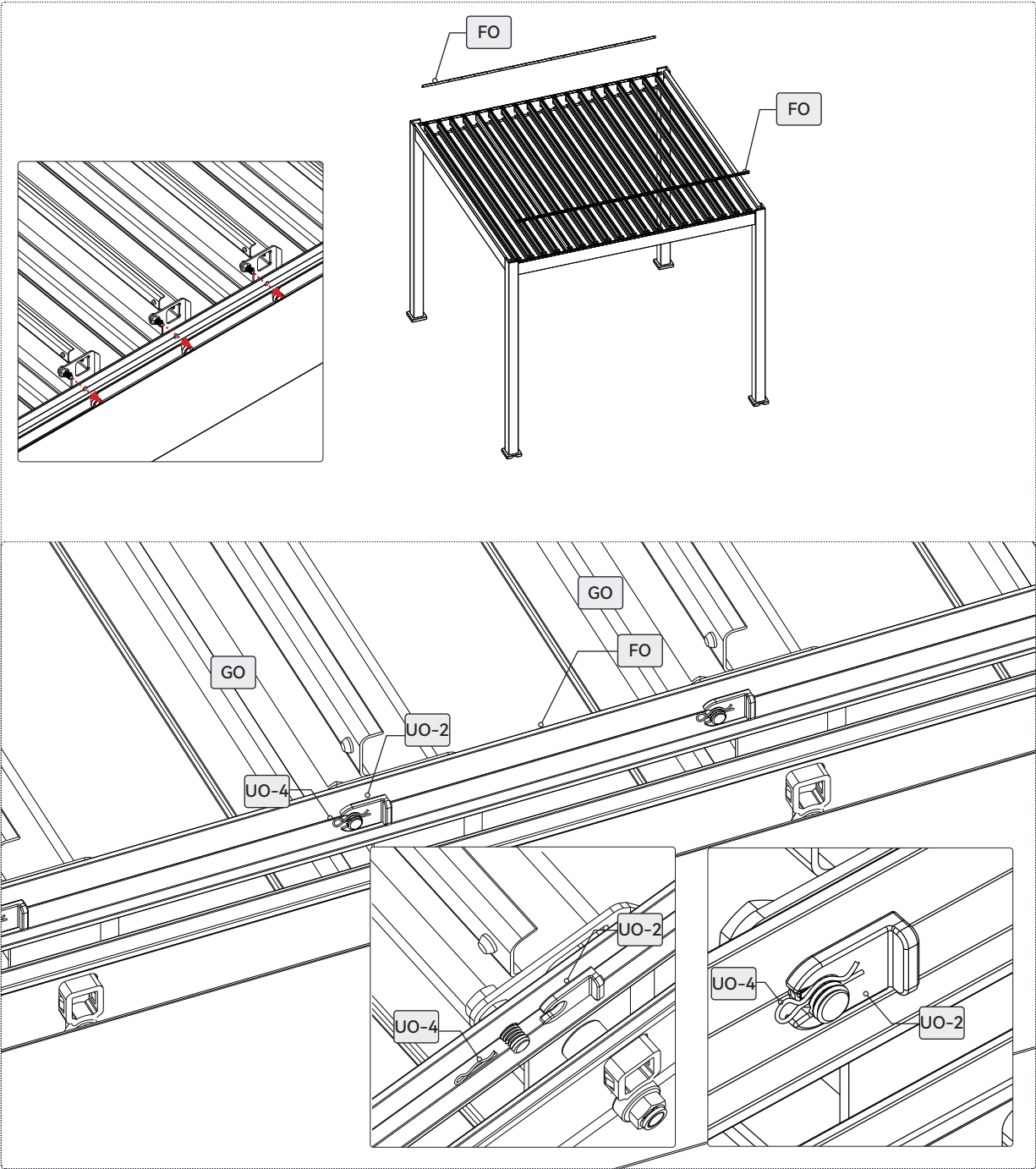
SO		38
----	---	----





Attach the connecting rod to the side of the spindle louvre.




FO		2
----	---	---

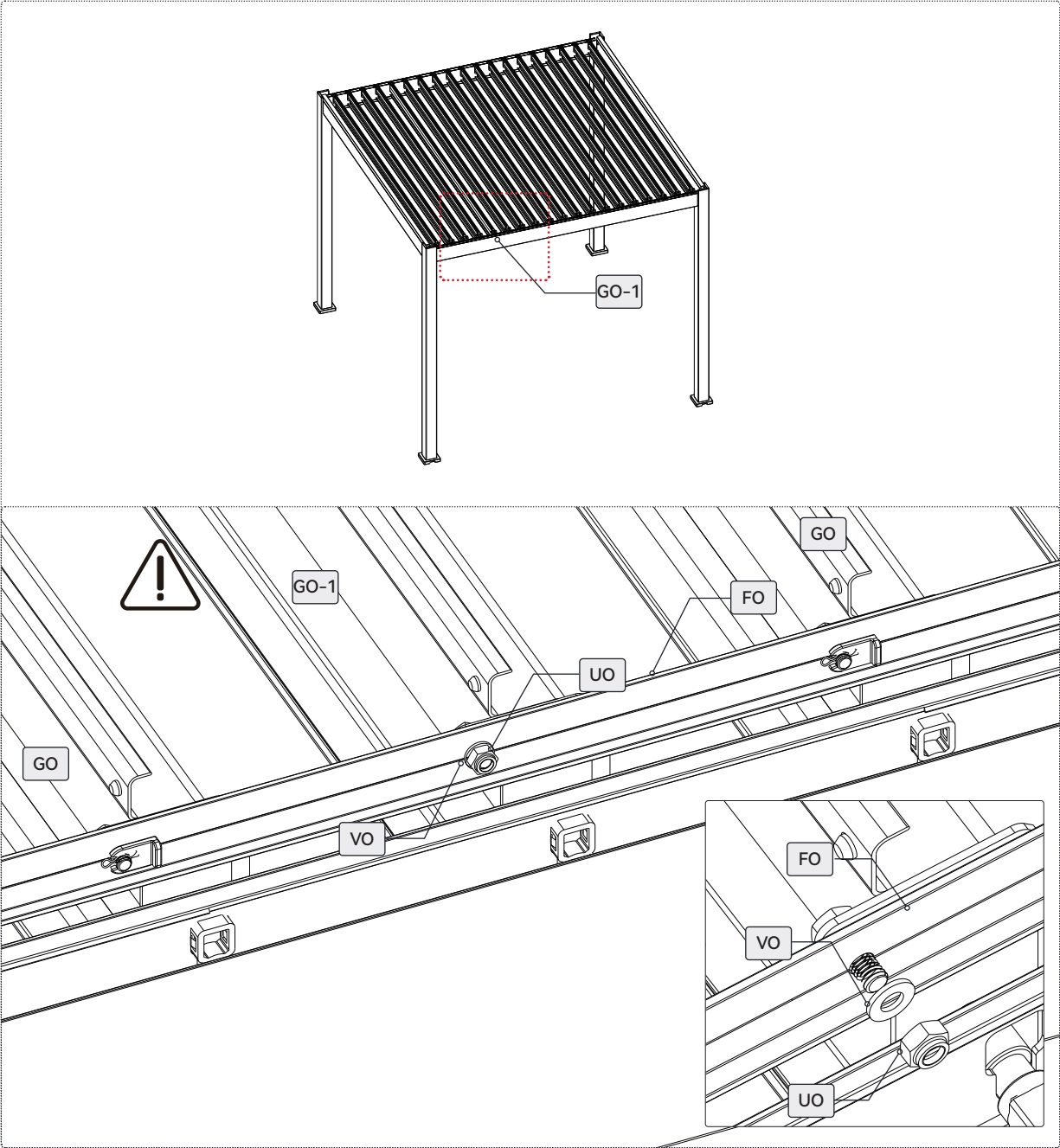
UO		36
VO		36



the corner aluminum is connected to the main shaft louver using lock nuts and washers.



UO		2
VO		2

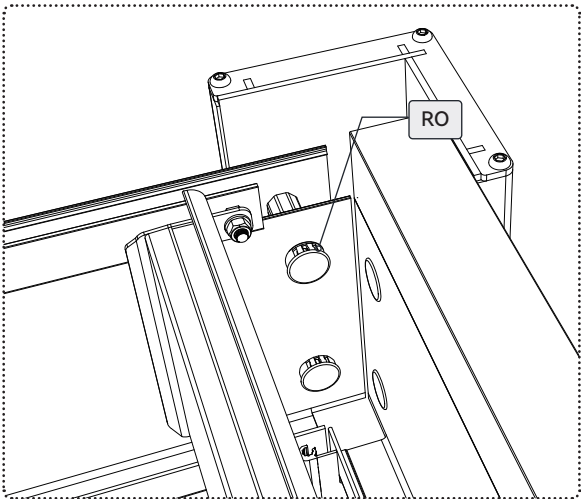
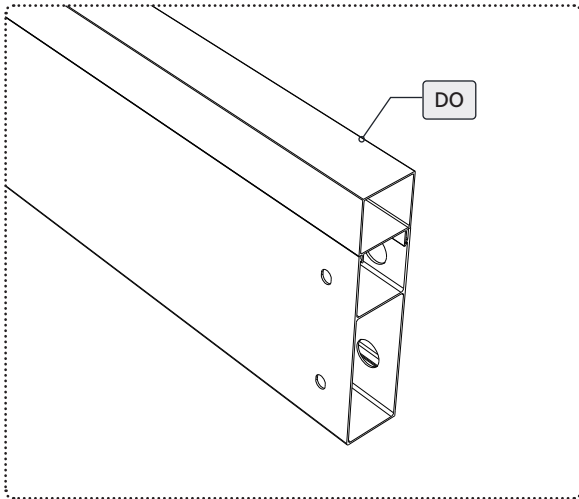
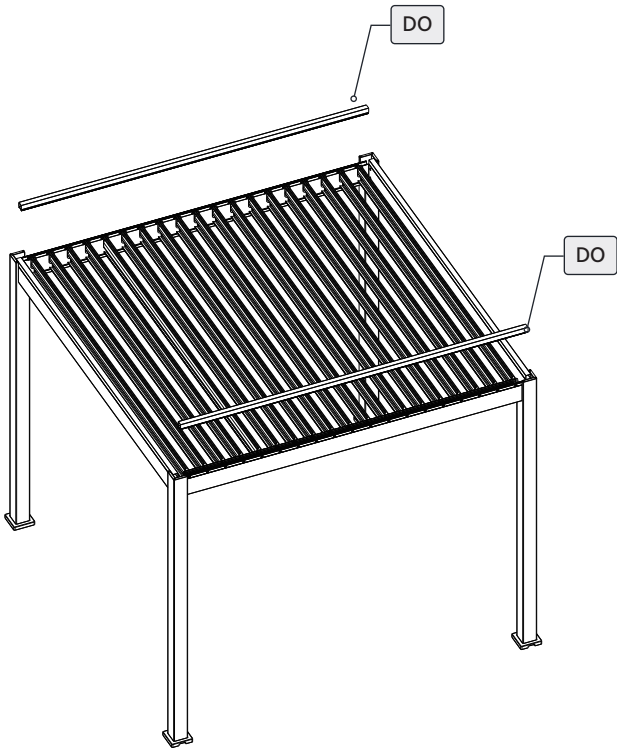
ZO-1		4mm
ZO-2		4mm
ZO-5		4mm






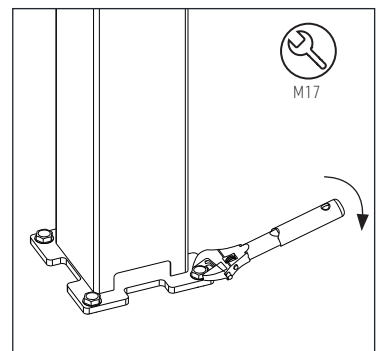
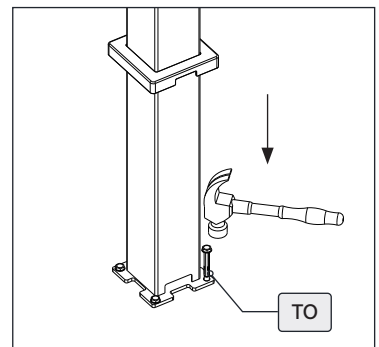
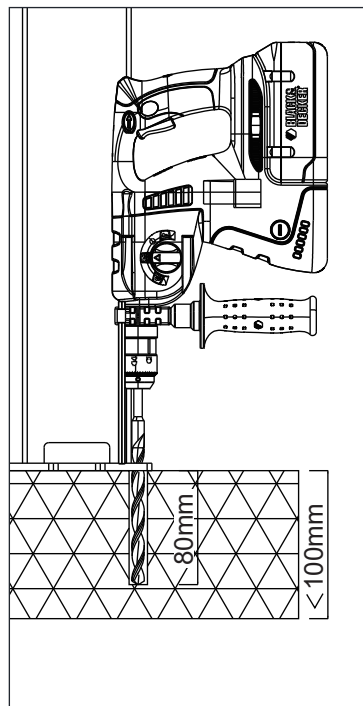
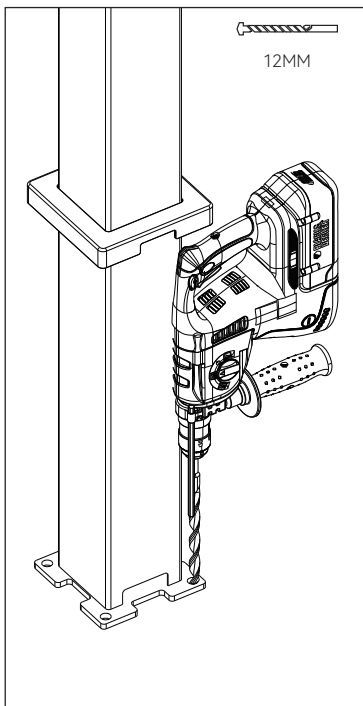
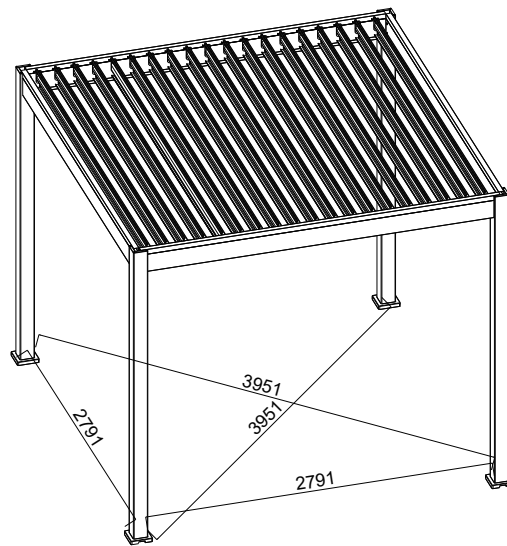
Install the end cap onto the beam and secure the mounting holes with plastic covers.

DO		2	RO		16
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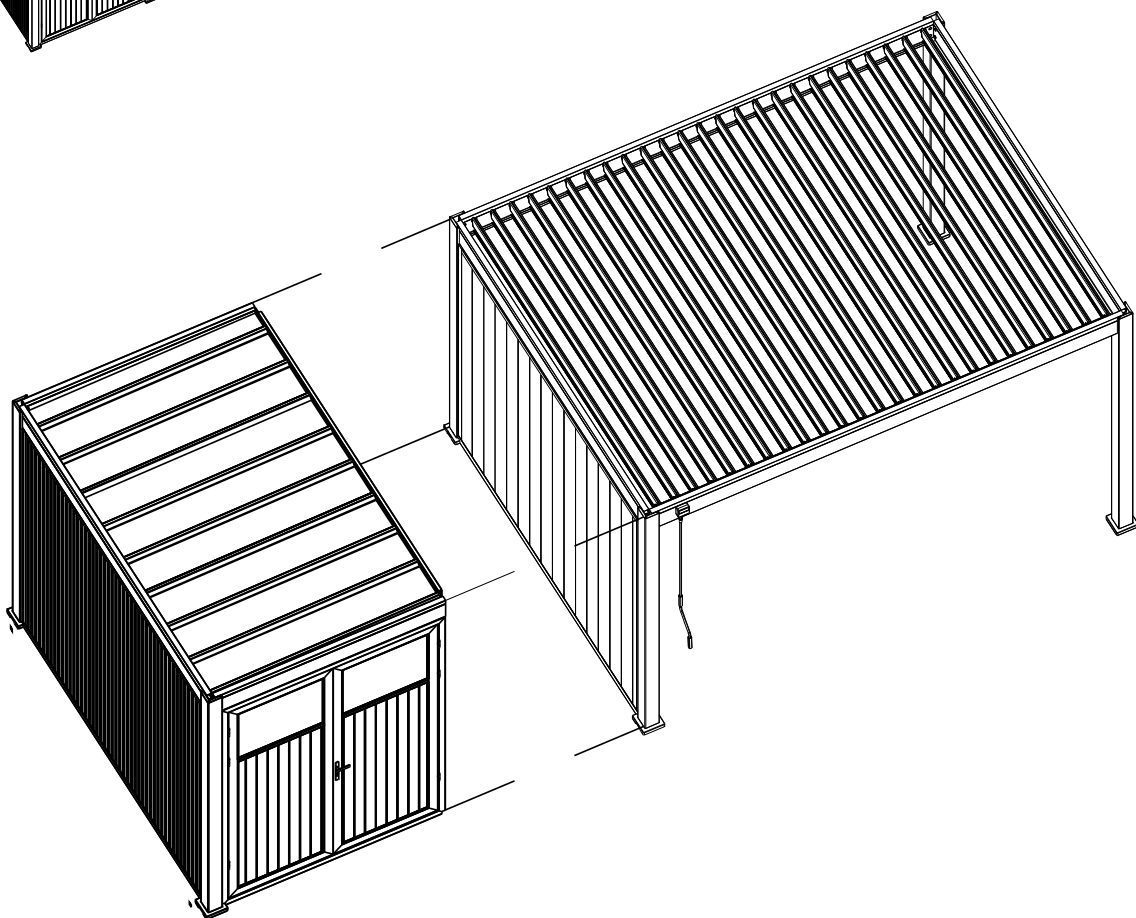
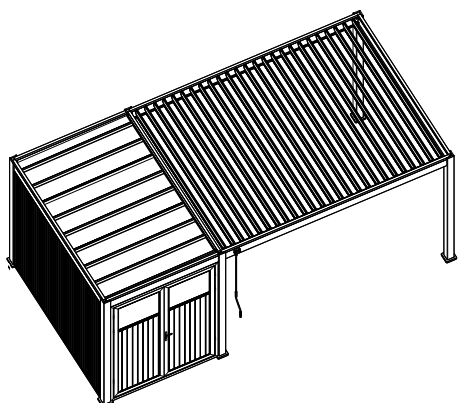
1. Check the dimensions as the diagram shows.
2. Move the bottom of the columns according to the dimensions in the diagram
3. Use a 12mm impact drill bit to guide the holes, then assemble the expansion screws and tighten them with a M17 spanner.

TO		16
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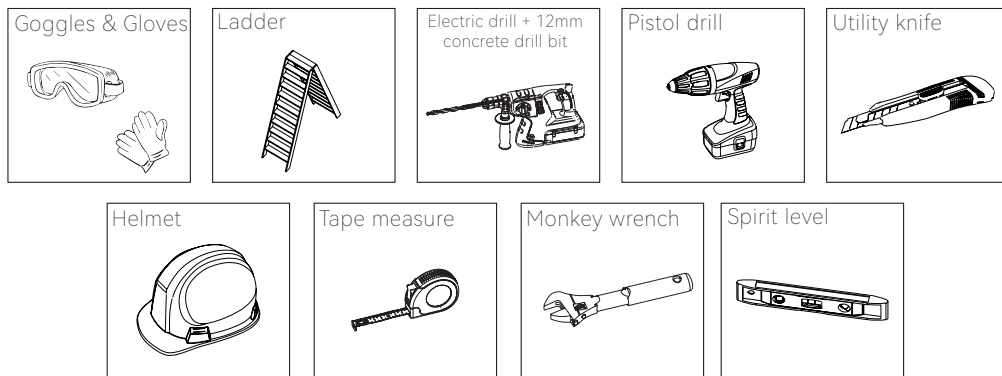




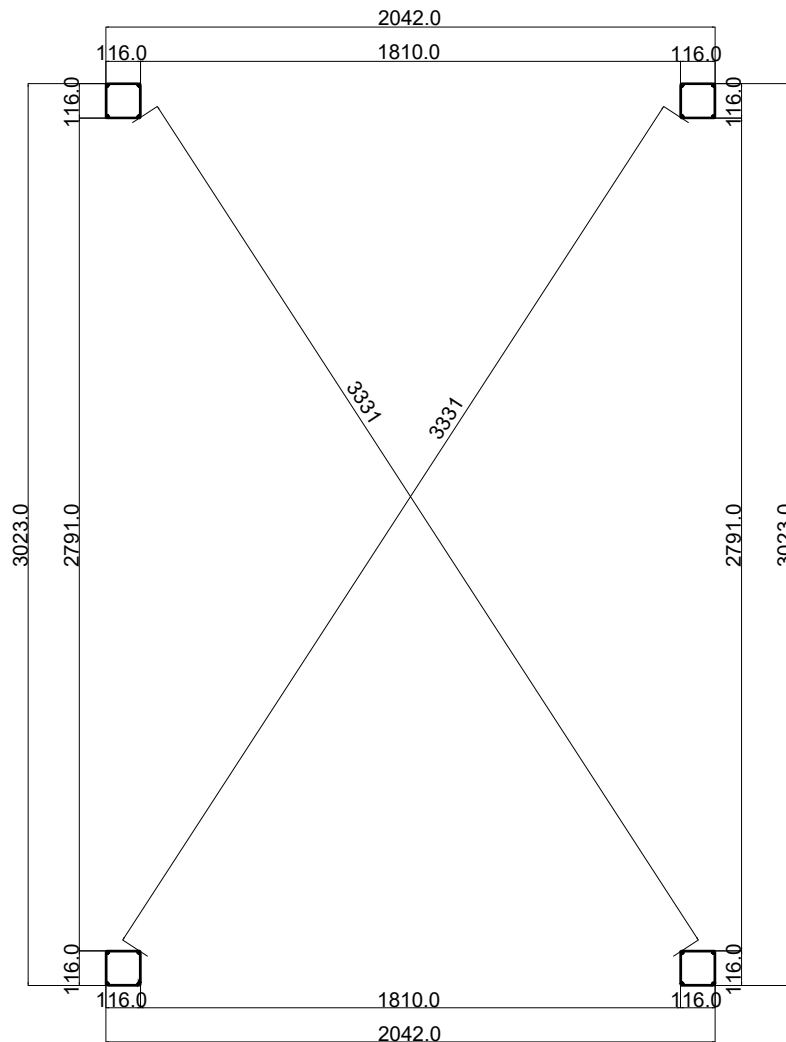
# COMBO-3X2

Assembly Instructions

## NECESSARY TOOLS AND SAFETY GEAR(NOT SUPPLIED)



## 2D FOOTING MEASUREMENT (dimensions in mm)



## TIPS AND SAFETY INSTRUCTIONS

Depending on the location and surface area, construction may be subject to building permits. Make sure you have checked with your local authorities to obtain the needed information before the assembly.

Product assembly :

- At least 2/3 people required
- Remove protective film (around 1 hour needed)
- Do not keep children near the assembly area
- Beware of the risk of pinching
- Do not tighten the screws before assembling the whole product
- All assembly steps must be carefully followed
- Check the level of the structure on all sides
- Do not anchor the pergola before assembling the whole product

No changes can be made to the product. Products tampered with by the user are not covered by the warranty, thus being declared as void.

The location should be chosen carefully. It is recommended to avoid mounting your pergola on a rainy day, facing the prevailing winds, and under an overhanging tree.

The pergola must be mounted on a flat-level foundation. It is recommended to install it on a concrete slab or 25x25 cm concrete pads at each post. Please, anchor the pergola properly to the ground using expansion screw.

If you would like to mount your pergola near your house or a building, please check the presence of gutters for water drainage.

Should these instructions not be followed or only partially, the warranty will be voided by the seller.

## MAINTENANCE

Regular maintenance is necessary to ensure its longevity and aesthetic appearance.

We recommend to :

- Clean your pergola once or twice a year with fresh water using a sponge or cloth.
- Do not use detergent or an abrasive material.
- Check the tightness of the screws regularly (at least once a year).
- Oil fastening regularly (at least once a year).
- Make sure that nothing hinders the water flow in the gutters (leaves, branches...).
- Remove any water that might stagnate around the legs of the pergola (lift the posts skirts).

## WARRANTY

This warranty does not cover :

- Normal wear and tear inherent from the products.
- Loss or breakage of any part during unpacking or installation.
- Lack of care, neglect, vandalism, impact with foreign body, force, contact with a abrasives material, product aesthetics, disassembly, rebuilding or relocation.
- Force majeure: hail, high winds, storms, snow, floods, lightning etc...
- Product tampered with by the user.

The warranty only takes in account the replacement of spare parts or the provided product, no refund will be issued.

All warranty claims must be made at the sales outlet (store or website) where the product has been purchased.

## PARTS LISTS (PER CARTON)

Before proceeding with the assembly of your louvered pergola, it is necessary to check that all parts listed are supplied and not damaged.








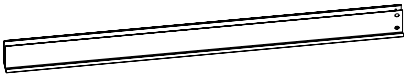

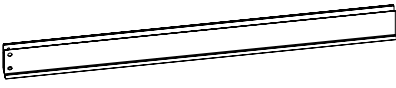




Any missing part must be reported within 10 days of delivery.


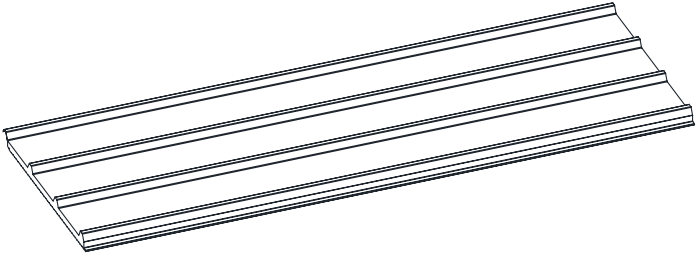

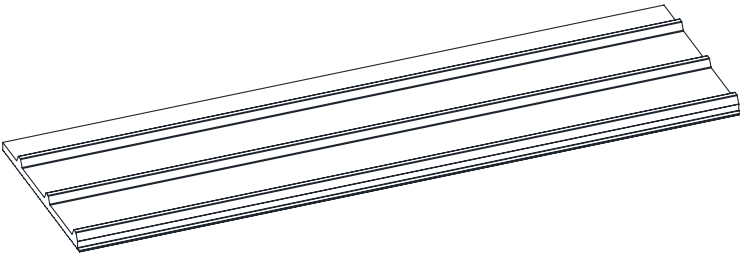
You can either go through your local outlet store or make the request directly on our website.

Do not discard the packaging without ensuring that the product is functioning properly.

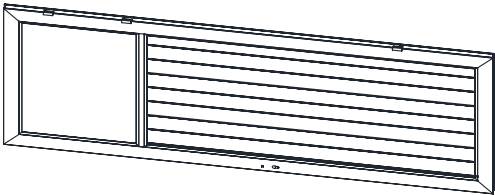
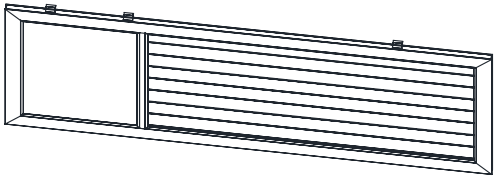












## CARTON



No.	Profile	Diagram	Size	QTY
AO			116X116 L=2550mm	2
No.	Profile	Diagram	Size	QTY
B1			75X170 L=2880mm	1
B2			75X195 L=2894mm	1
B3			75X153 L=1862mm	1
B4			75X153 L=1862mm	1
C1			43X42 L=1862mm	2
F1			25X45 L=1845mm	1

No.	Profile	Diagram	Size	QTY
W1			1080X76 L=1845mm	2
W2			893X76 L=1845mm	1















CARTON


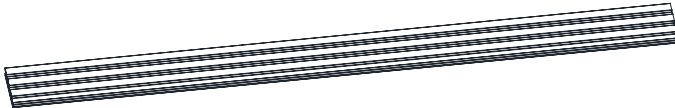



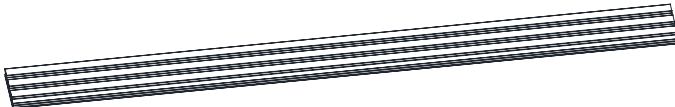
No.	Profile	Diagram	Size	QTY
M1			845X30 L=2249mm	1
M2			75X195 L=2894mm	1
M3			63X40 L=1809mm	1
M4			63X40 L=1749mm	1
M5			63X40 L=2335mm	1
M6			63X40 L=2335mm	1

No.	Diagram	QTY
T1		4
T2		4




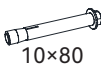
No.	Diagram	QTY
T3		1
T4		1





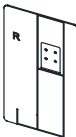
## CARTON



No.	Profile	Diagram	Size	QTY
K1			32X40 L=2701mm	2
K2			32X40 L=2323mm	3
K3			32X40 L=1719mm	1
K4			40X60 L=2790mm	2
K5			40X60 L=1809mm	1
K6			34X50 L=2323mm	3
K7			6X50 L=2323mm	3







No.	Profile	Diagram	Size	QTY
L1			188X28 L=2316mm	39
L2			100X28 L=2316mm	2
L5			180X28 L=2316mm	1

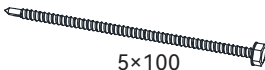


## CARTON


No.	Diagram	QTY
IO		2
JO		2
XO-1		8
TO		8





No.	Diagram	QTY
P1		20
P2		28
P3		2
P4		1
P5		1



No.	Diagram	QTY
ZO-6	 PH2	1
ZO-7	 8mm	1

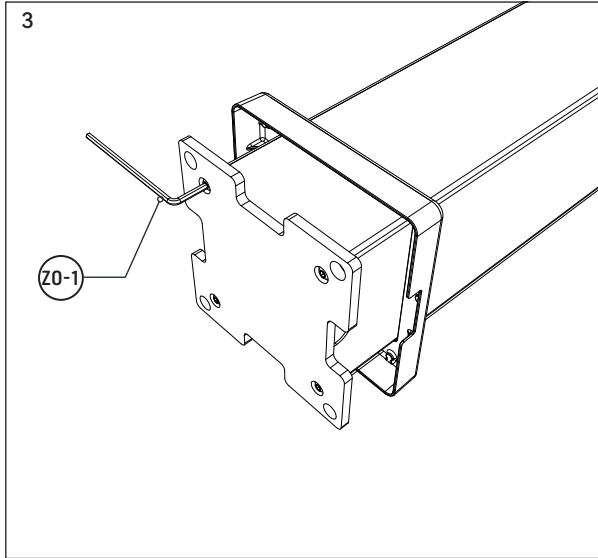
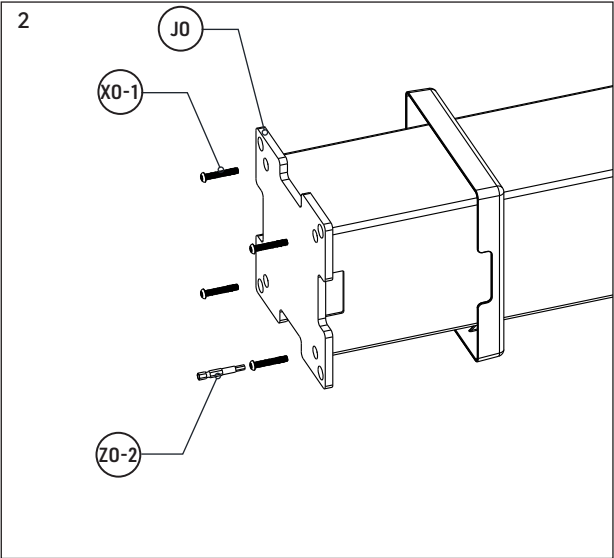
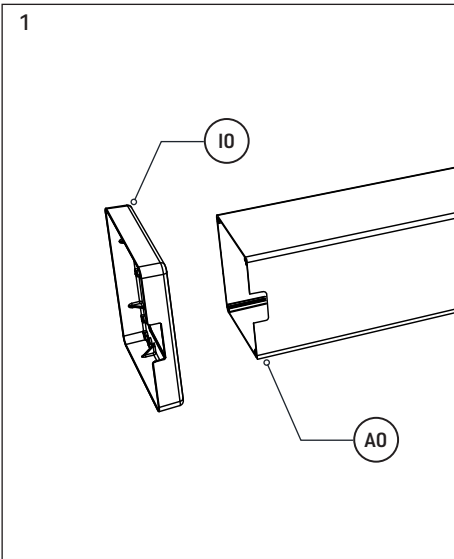
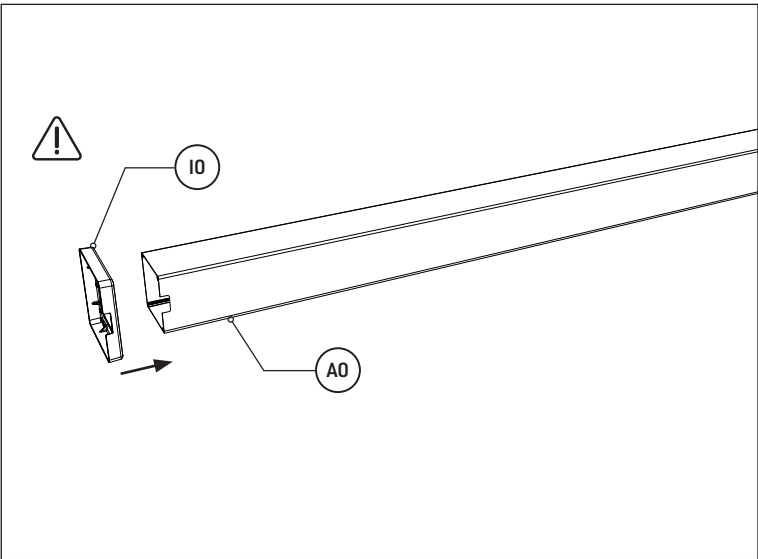
No.	Diagram	QTY
QO	 6mm	4
QO-1	 6mm	4
QO-2		4
QO-3		4
WO-1	 5x19	16
TO-1	 8x100	15


No.	Diagram	QTY
S4	 5x100	18
S5	 4x16	60
S7	 4x60	12




No.	Diagram	QTY
AO		2



No.	Diagram	QTY
IO		2
JO		2
XO-1	 	8

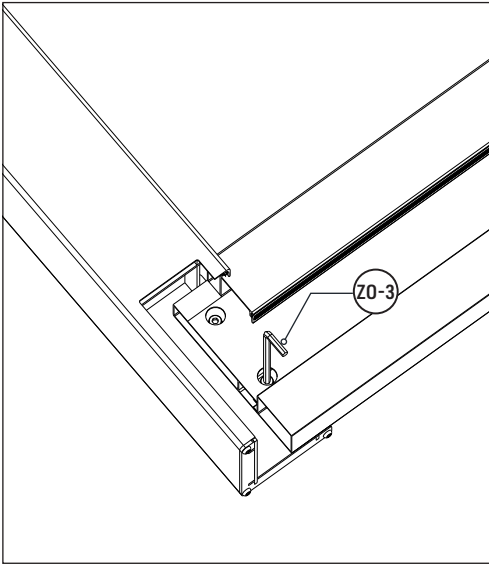
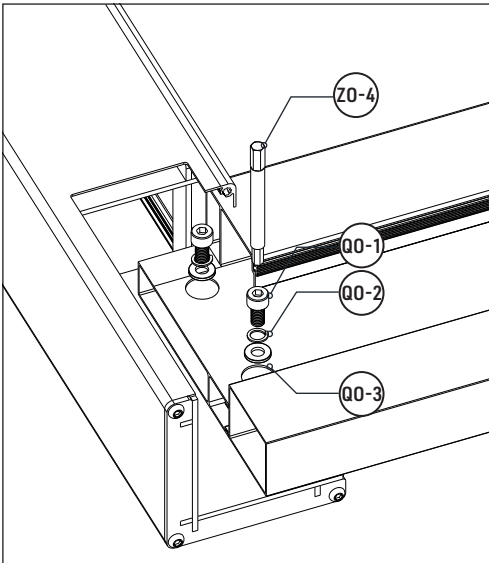
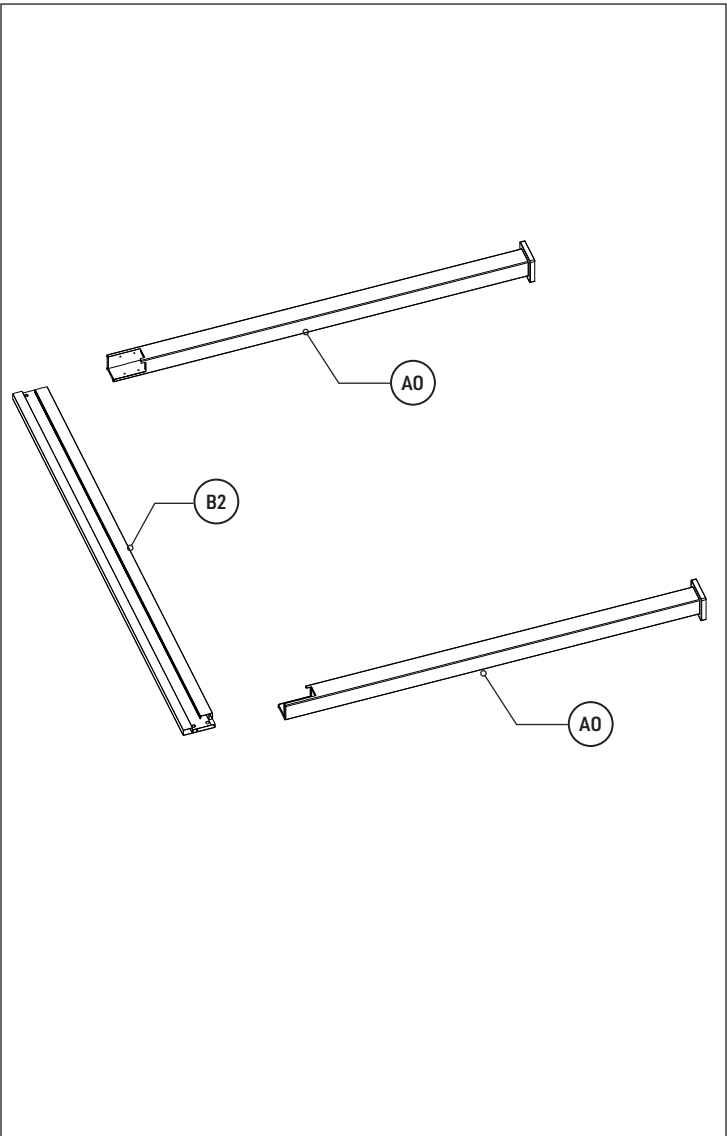
No.	Diagram	QTY
ZO-1		1
ZO-2		1








No.	Diagram	QTY
B2		1



No.	Diagram	QTY
QO-1	 6mm	4
QO-2		4
QO-3		4

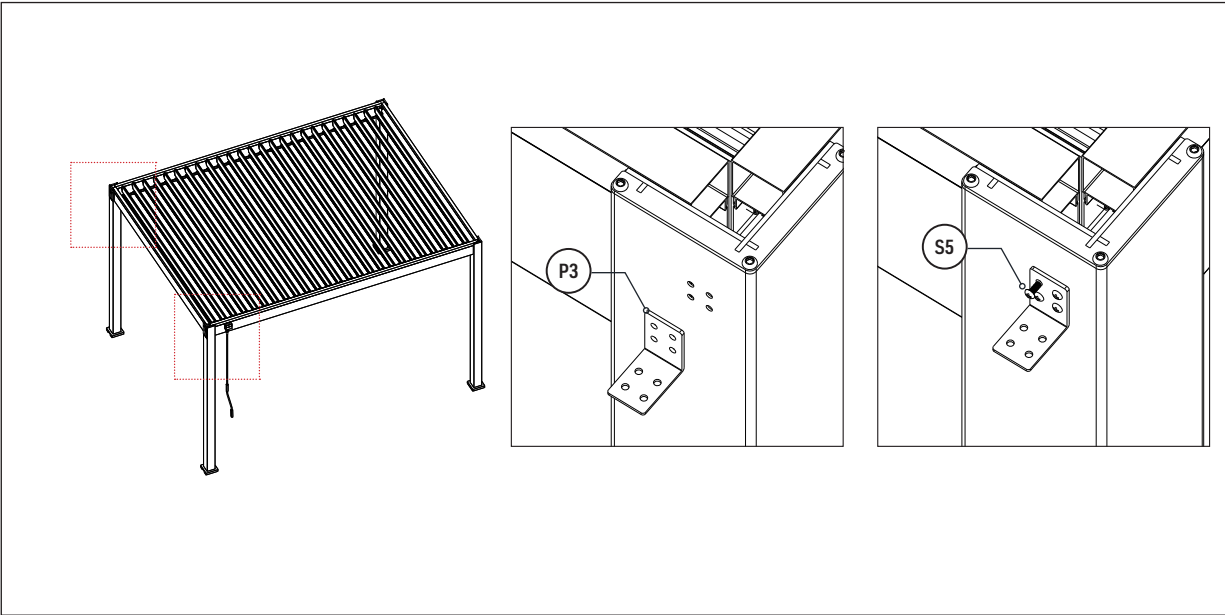
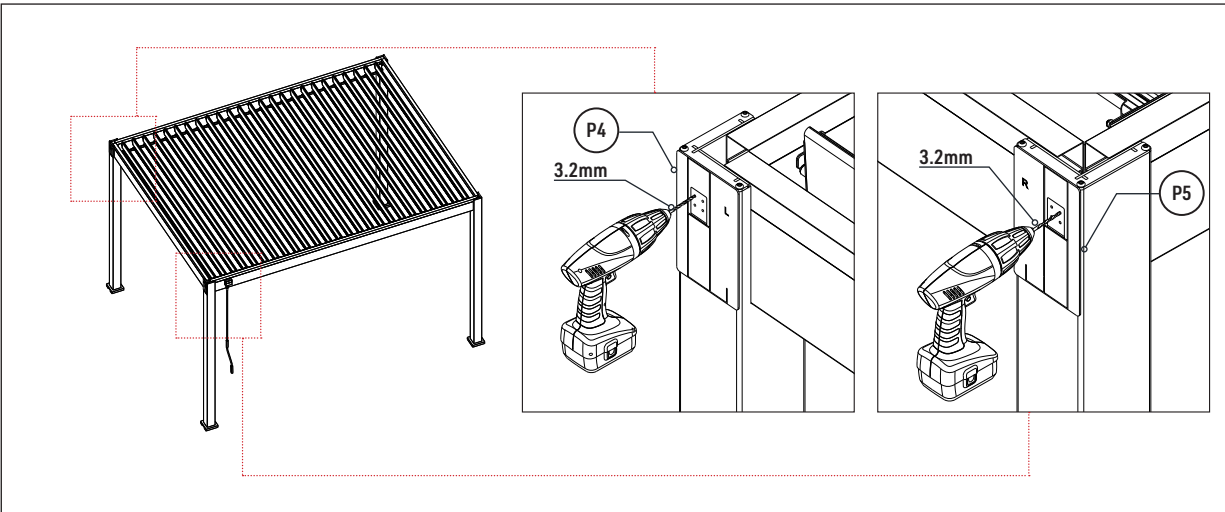
No.	Diagram	QTY
ZO-3	 6mm	1
ZO-4	 6mm	1

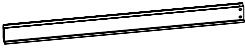
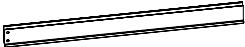



No.	Diagram	QTY
QO		4


No.	Diagram	QTY
S5		8
P3		2
P4		1
P5		1

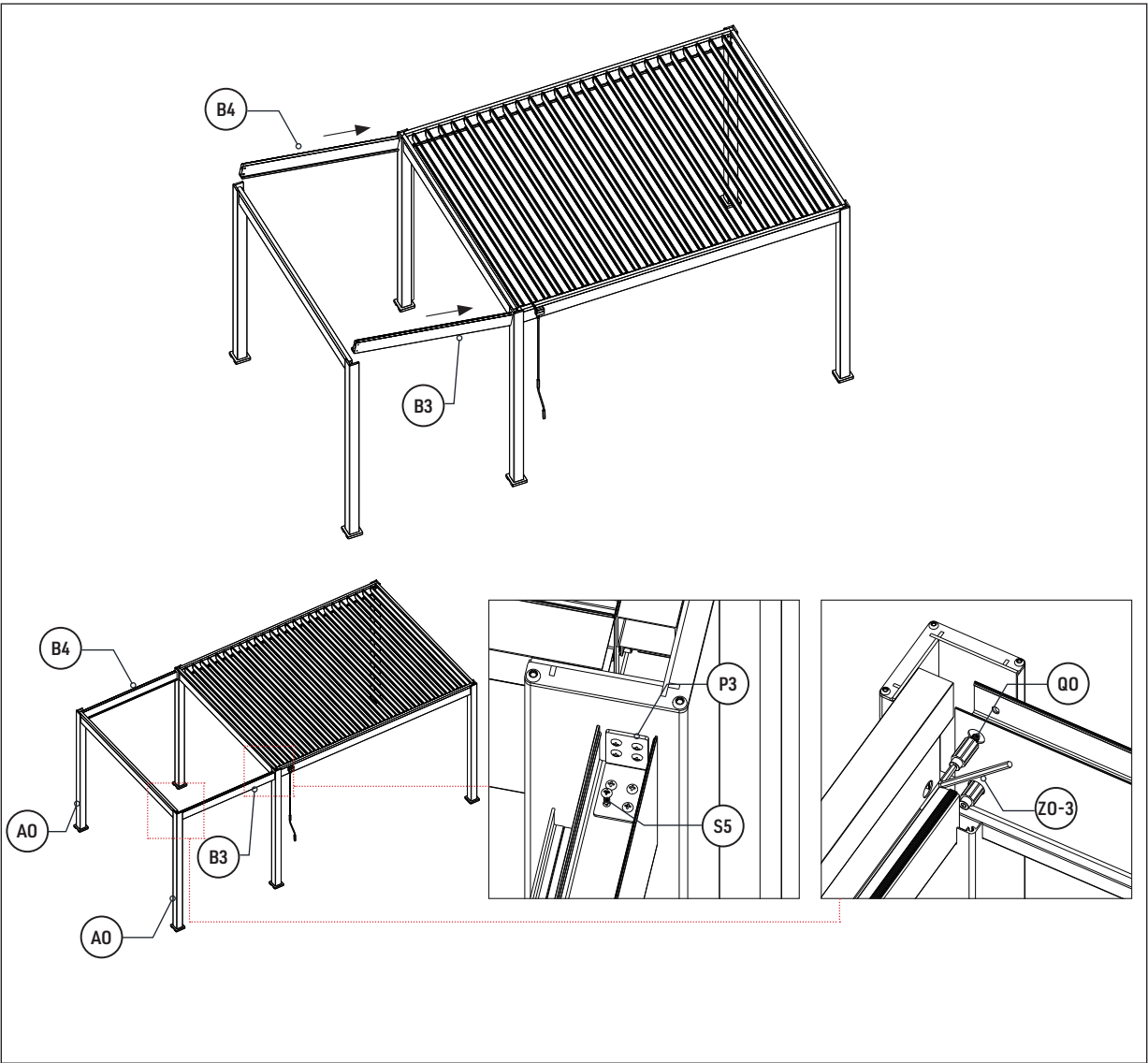
No.	Diagram	QTY
ZO-3		1
ZO-6		1




No.	Diagram	QTY
B3		1
B4		1

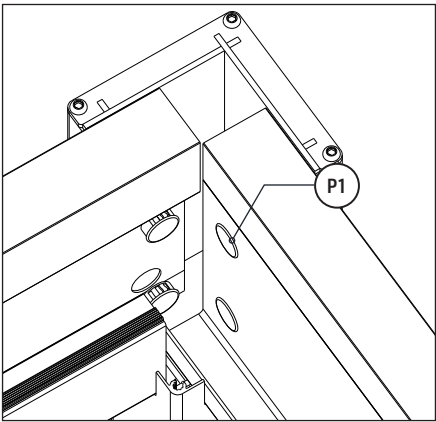
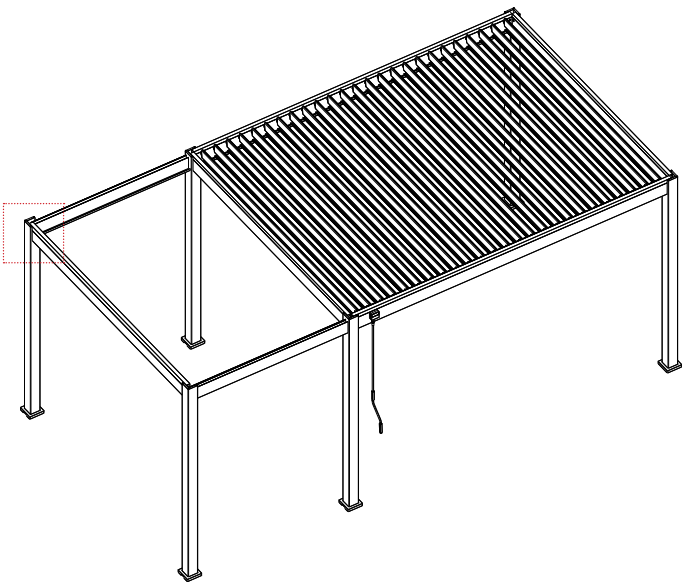
No.	Diagram	QTY
S5	 4x16	8


No.	Diagram	QTY
ZO-6	 PH2	1







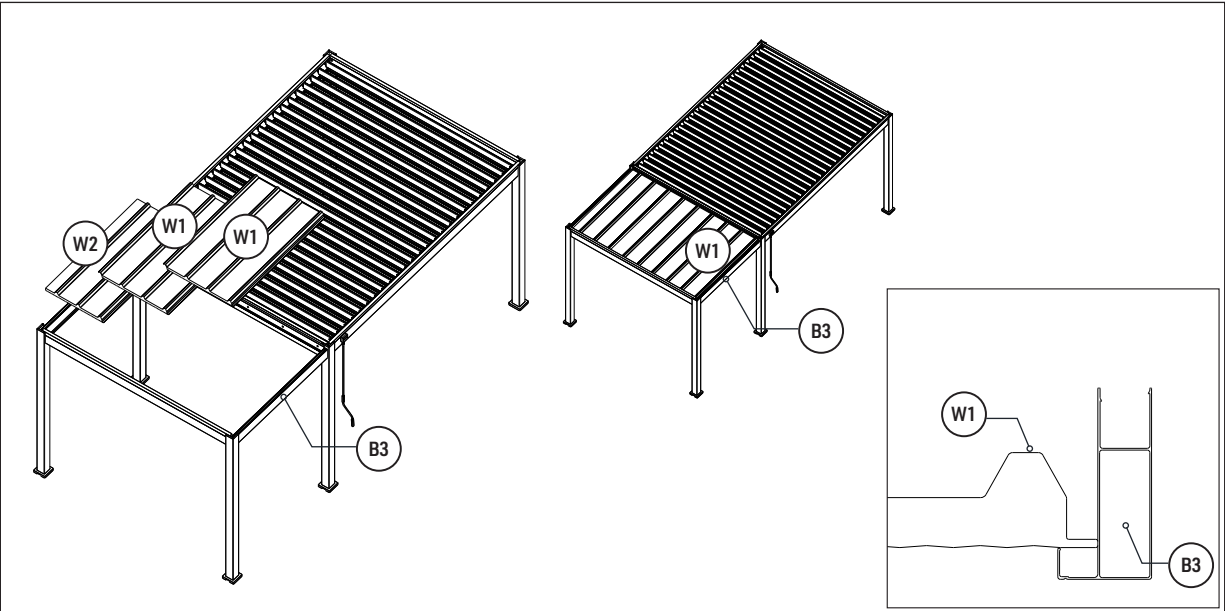
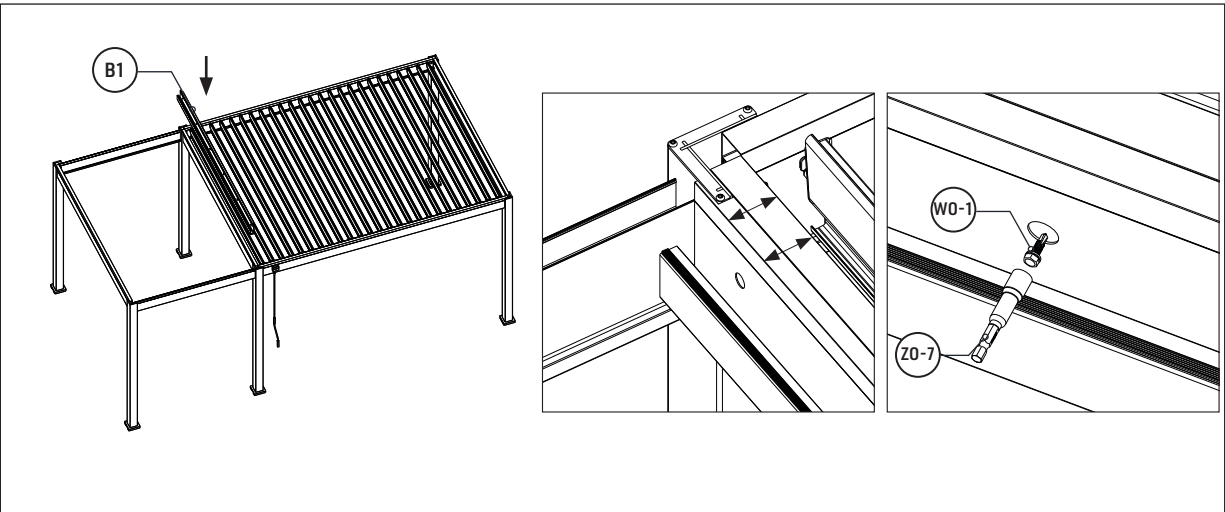
No.	Diagram	QTY
P1		8







No.	Diagram	QTY
B1		1


No.	Diagram	QTY
WO-1	 5x19	4

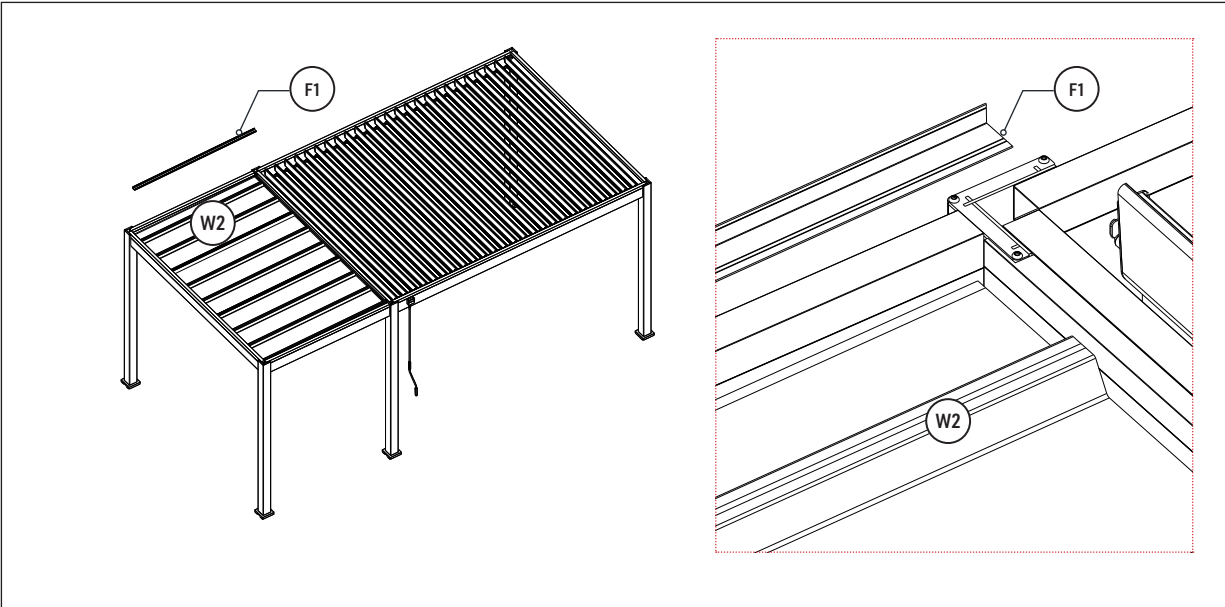
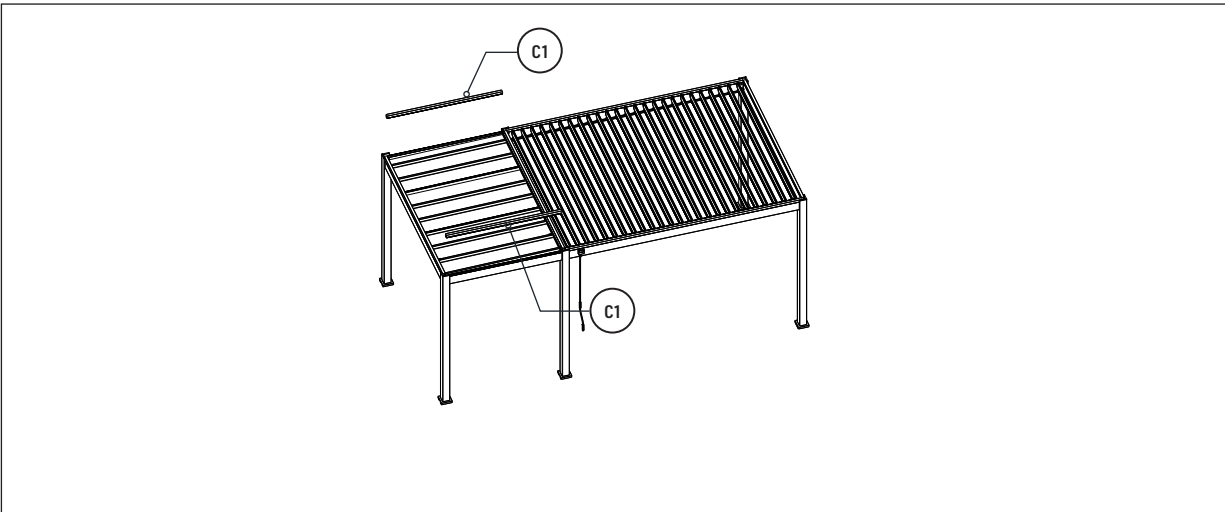
No.	Diagram	QTY
ZO-7	 8mm	1

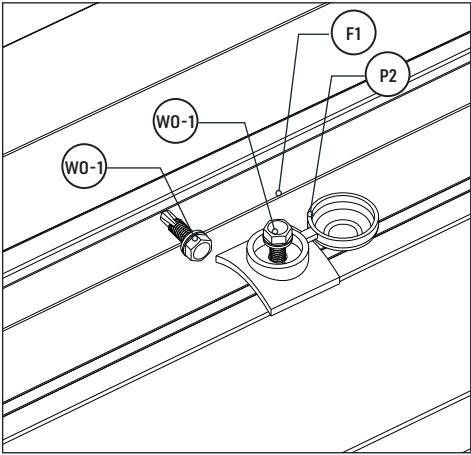
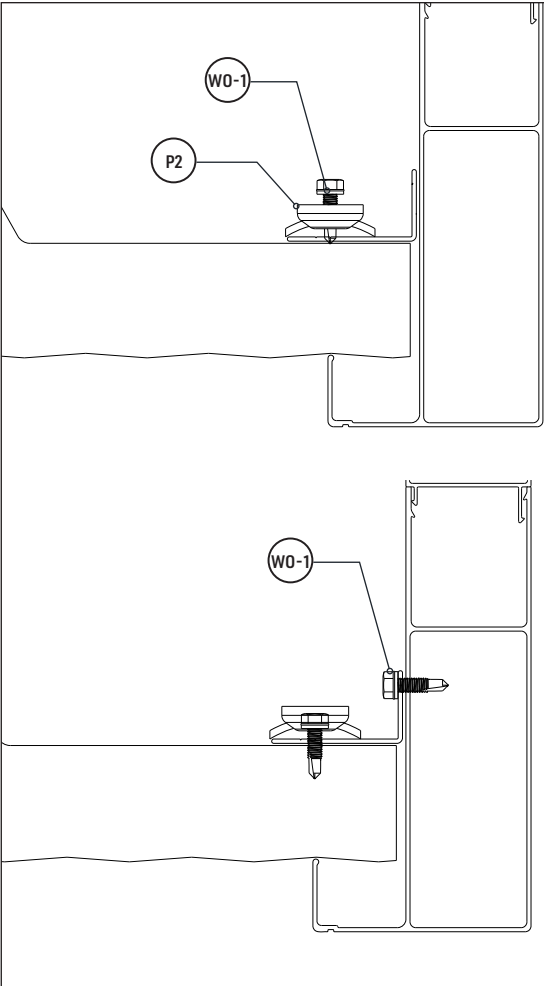
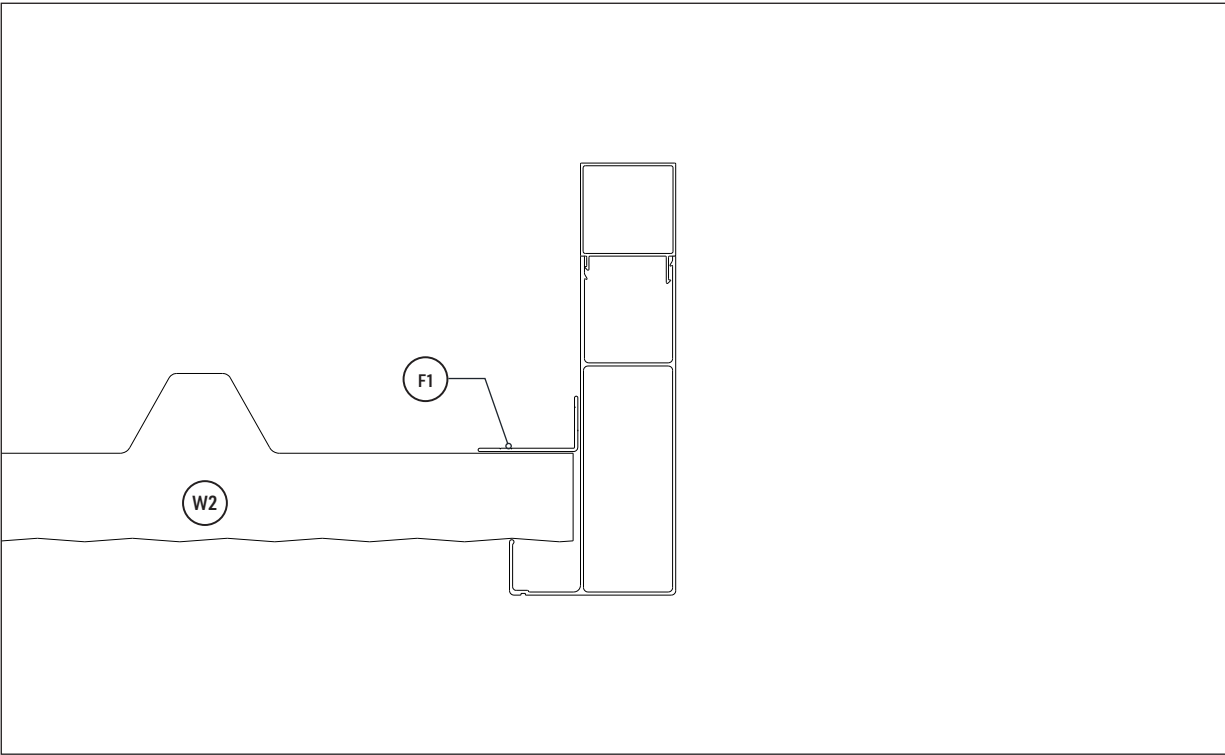




No.	Diagram	QTY
C1		2
F1		1


No.	Diagram	QTY
WO-1		8
P2		4

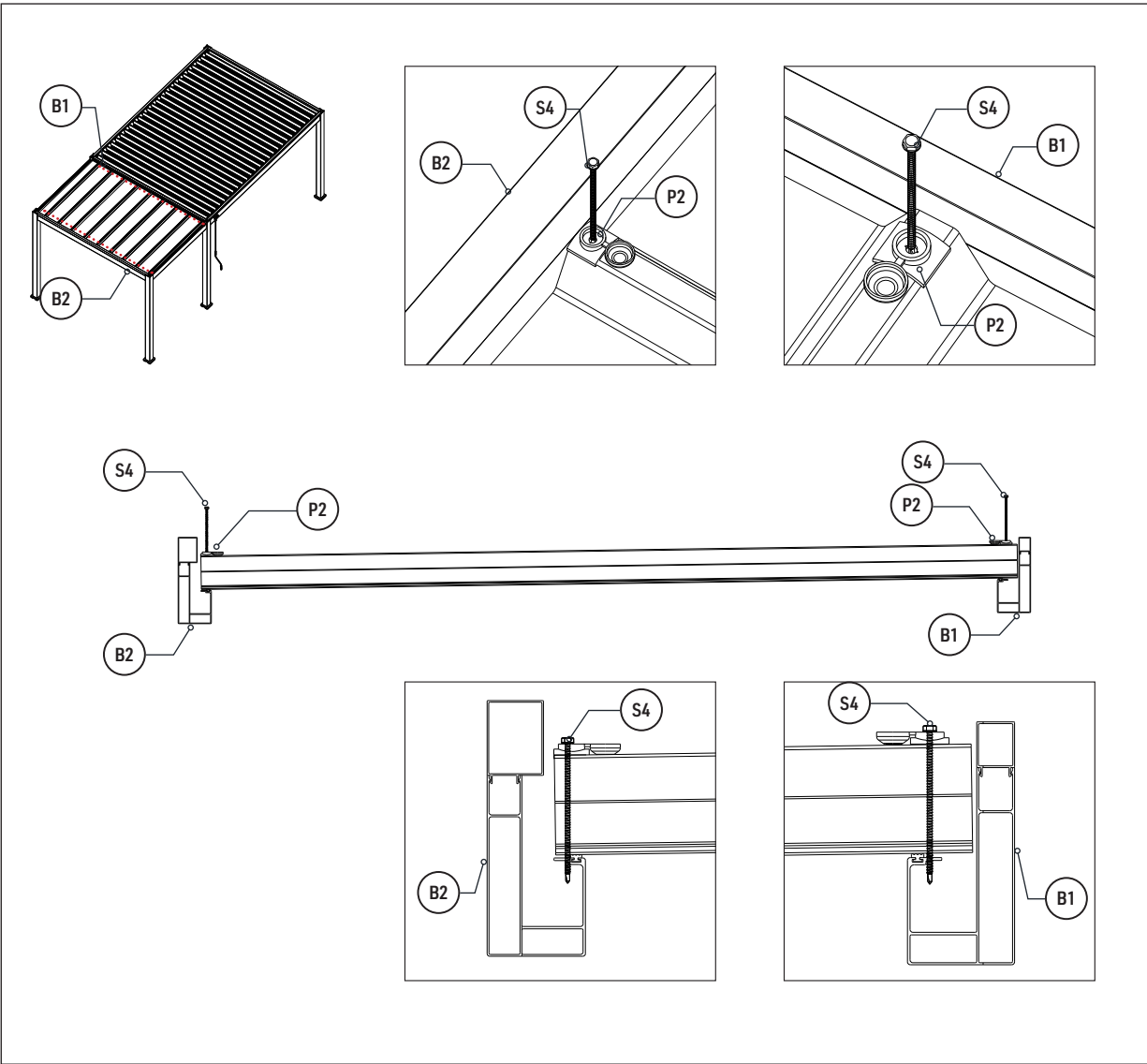
No.	Diagram	QTY
ZO-7		1









No.	Diagram	QTY
S4		18
P2		18

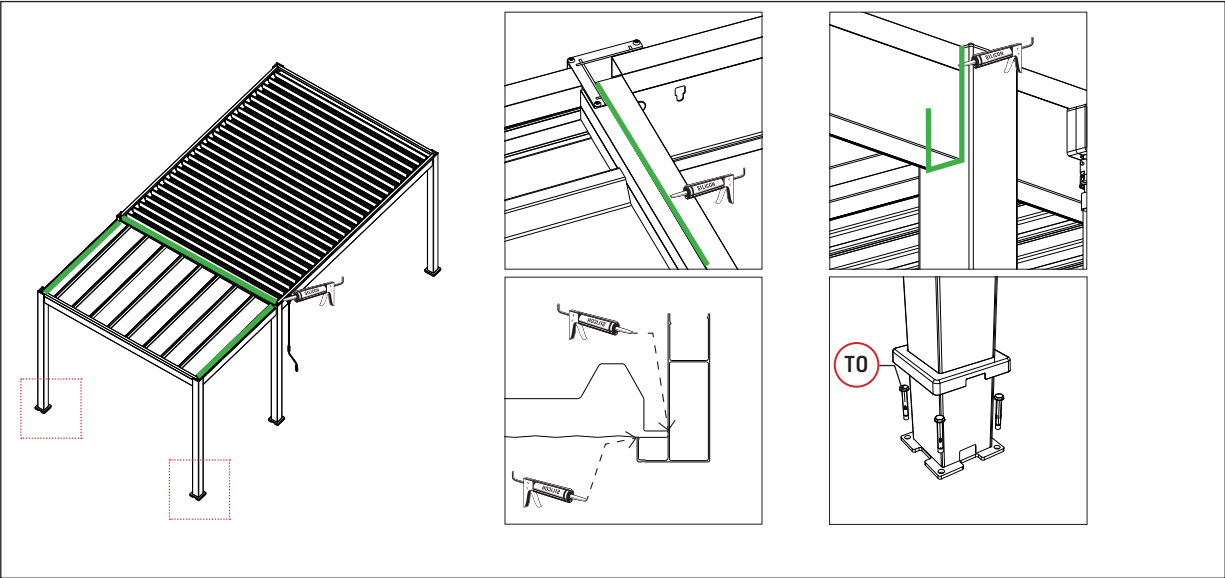
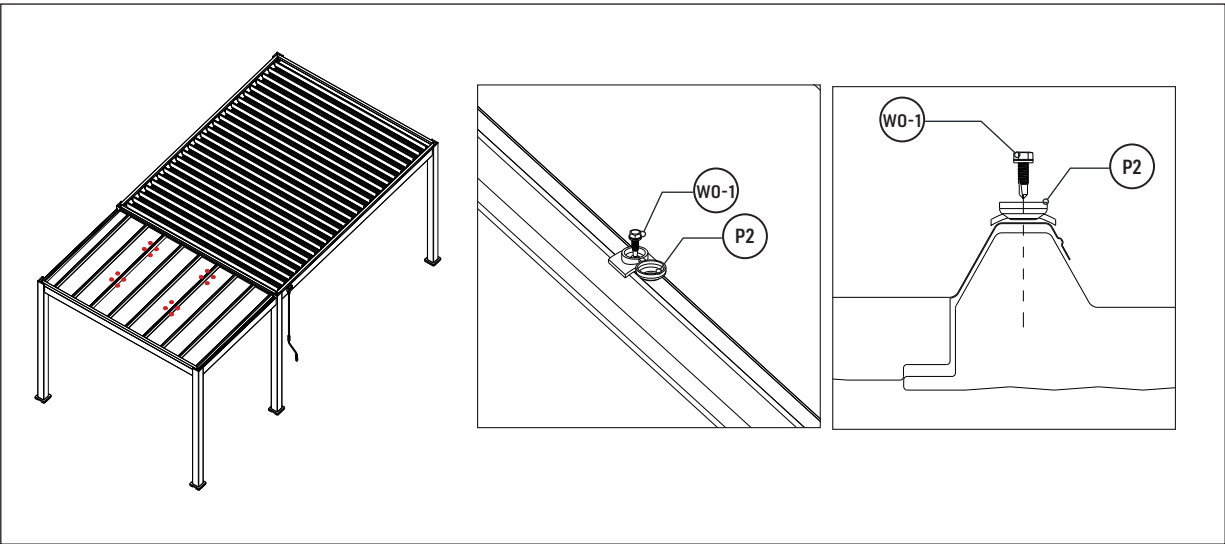
No.	Diagram	QTY
ZO-7		1










No.	Diagram	QTY
C1		2

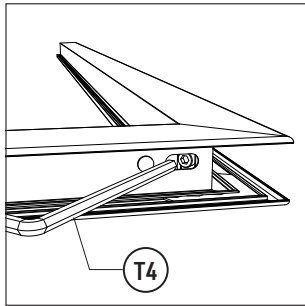
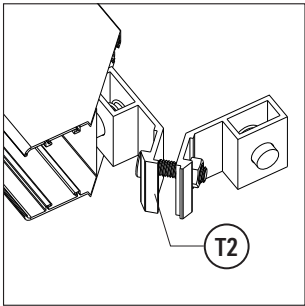
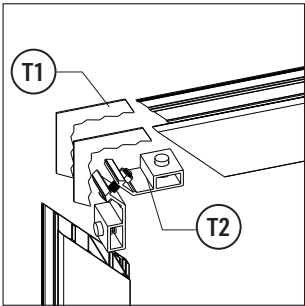
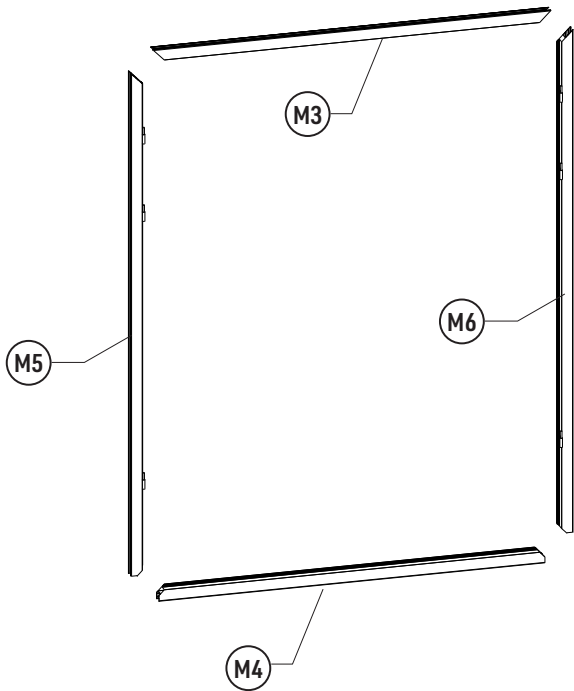
No.	Diagram	QTY
WO-1		4
TO		8


No.	Diagram	QTY
ZO-7		1




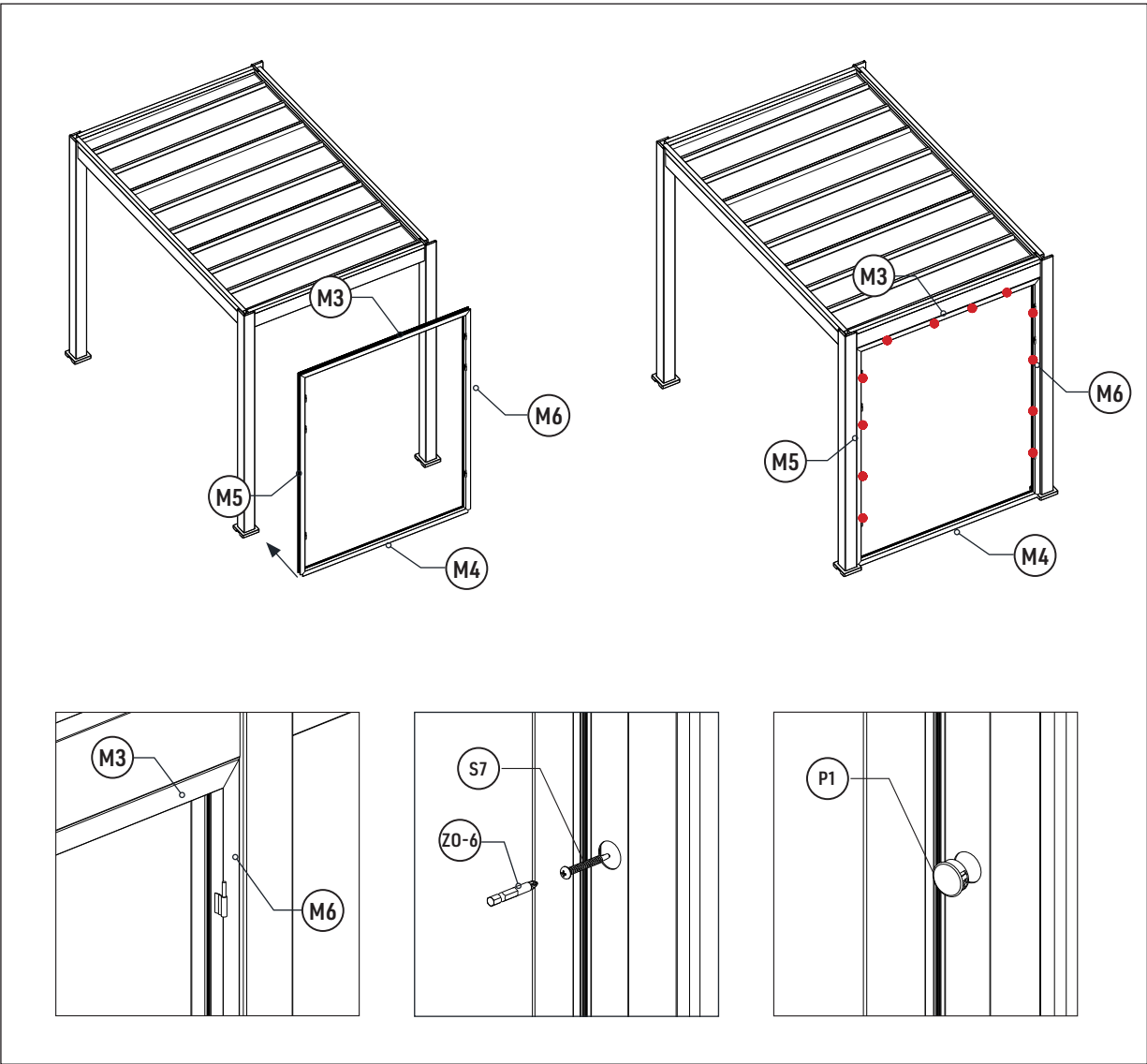
No.	Diagram	QTY
M3		1
M4		1
M5		1
M6		1

No.	Diagram	QTY
T1		4
T2		4
T4		1





No.	Diagram	QTY
S7	 4x60	12

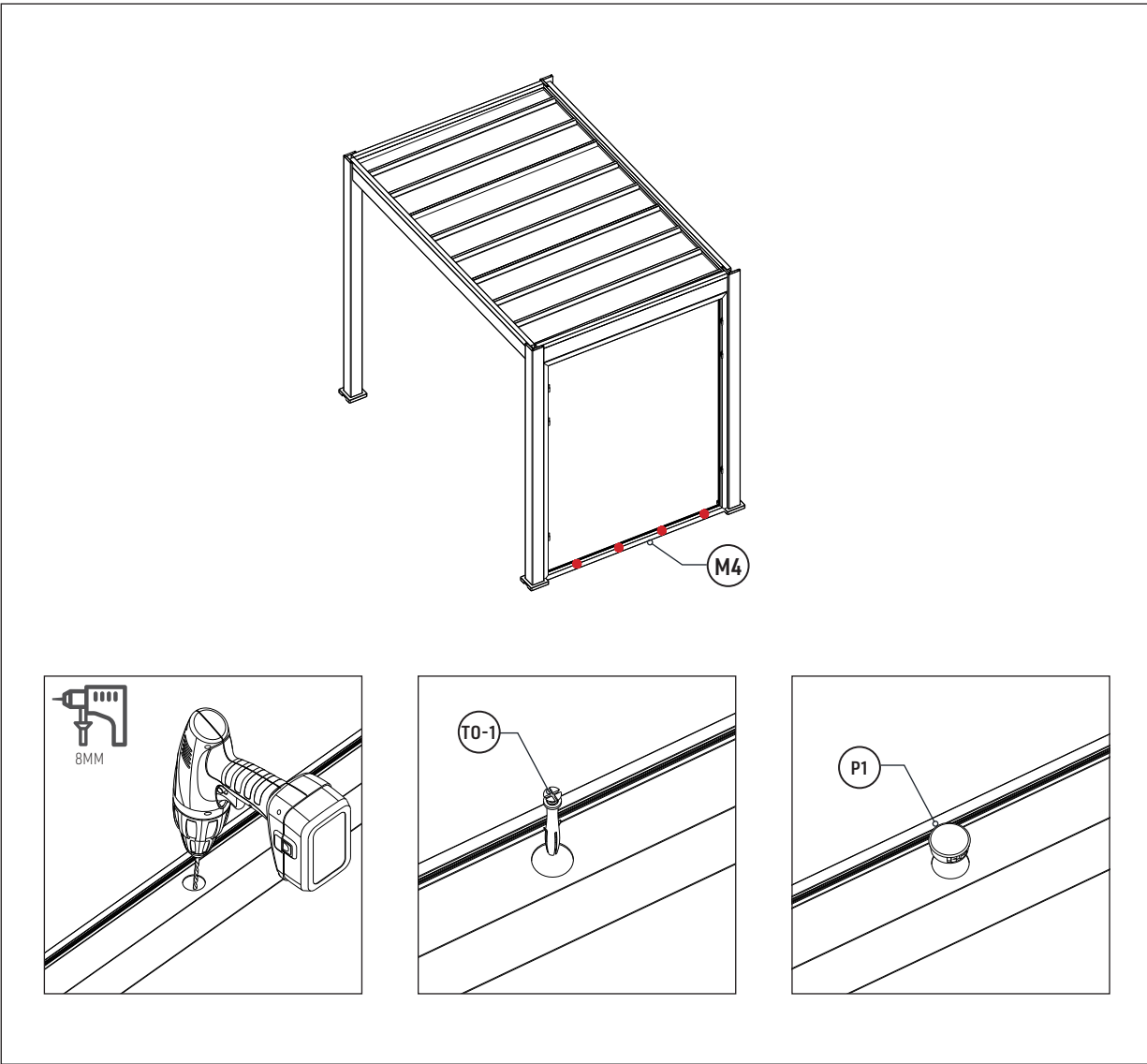
No.	Diagram	QTY
Z0-6	 PH2	1







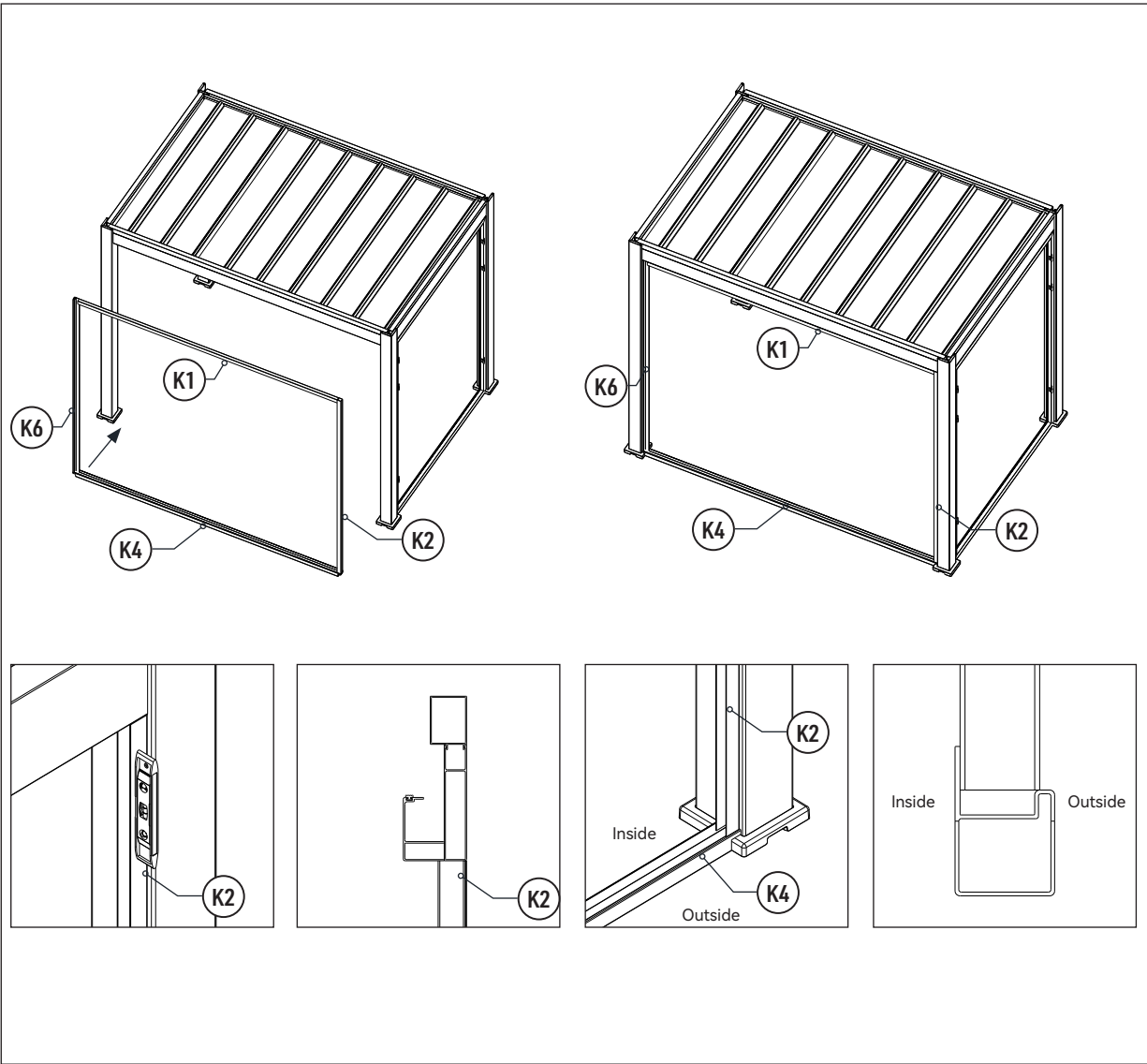




No.	Diagram	QTY
TO-1	 8×100	4


No.	Diagram	QTY
ZO-6	 PH2	1

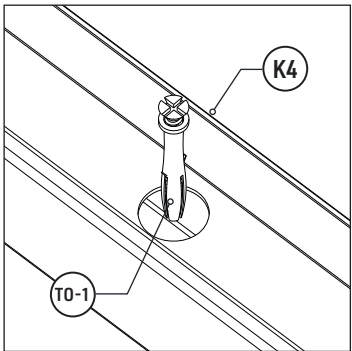
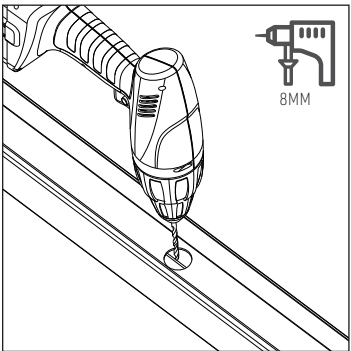
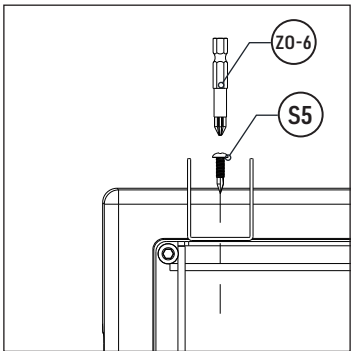
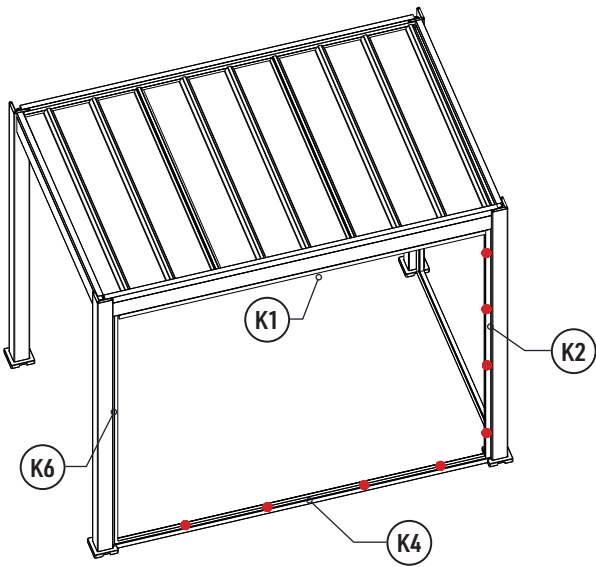



No.	Diagram	QTY
K1		1
K2		1
K4		1
K6		1




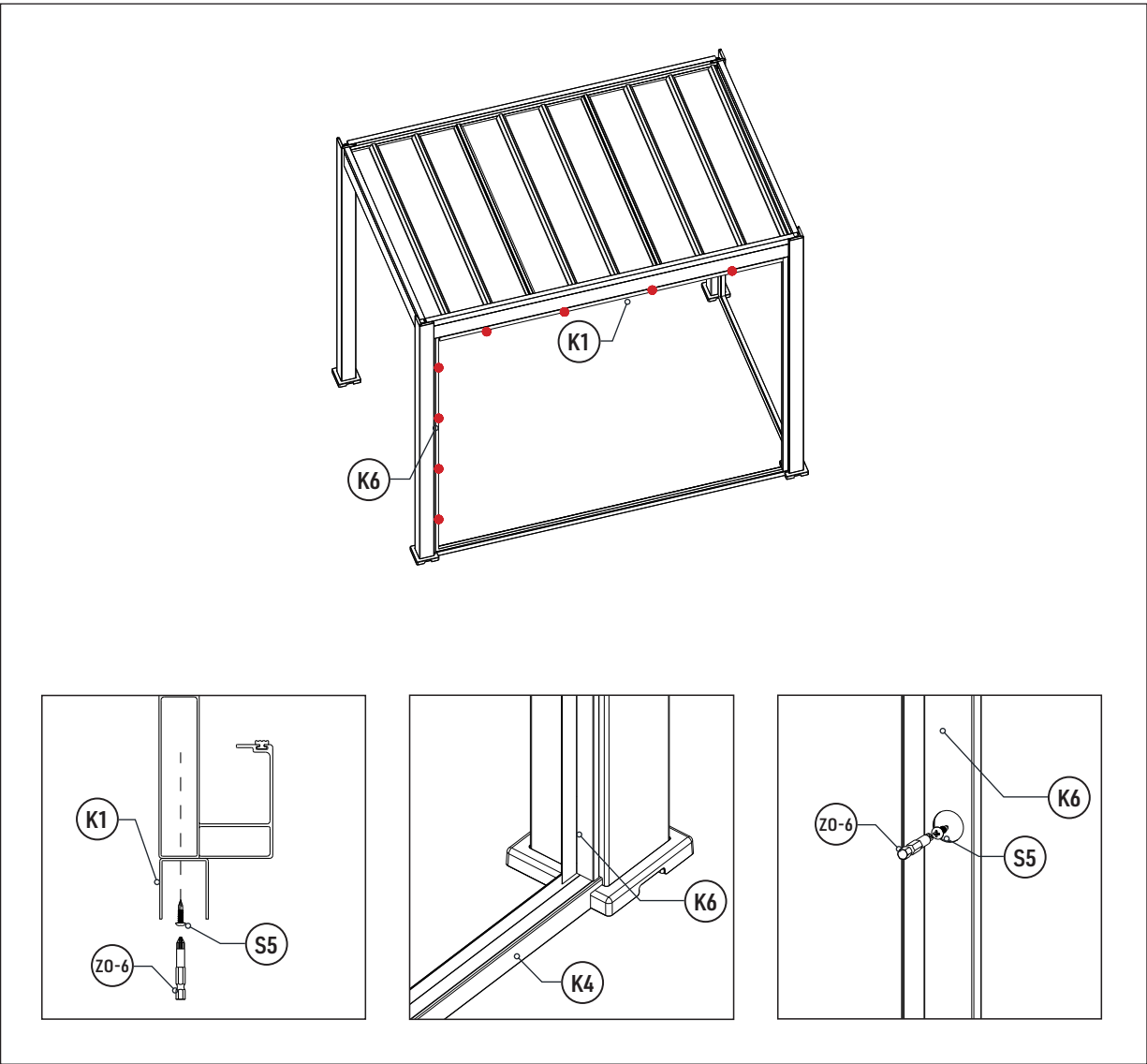
No.	Diagram	QTY
S5	 4×16	4
TO-1	 8×100	4



No.	Diagram	QTY
ZO-6	 PH2	1




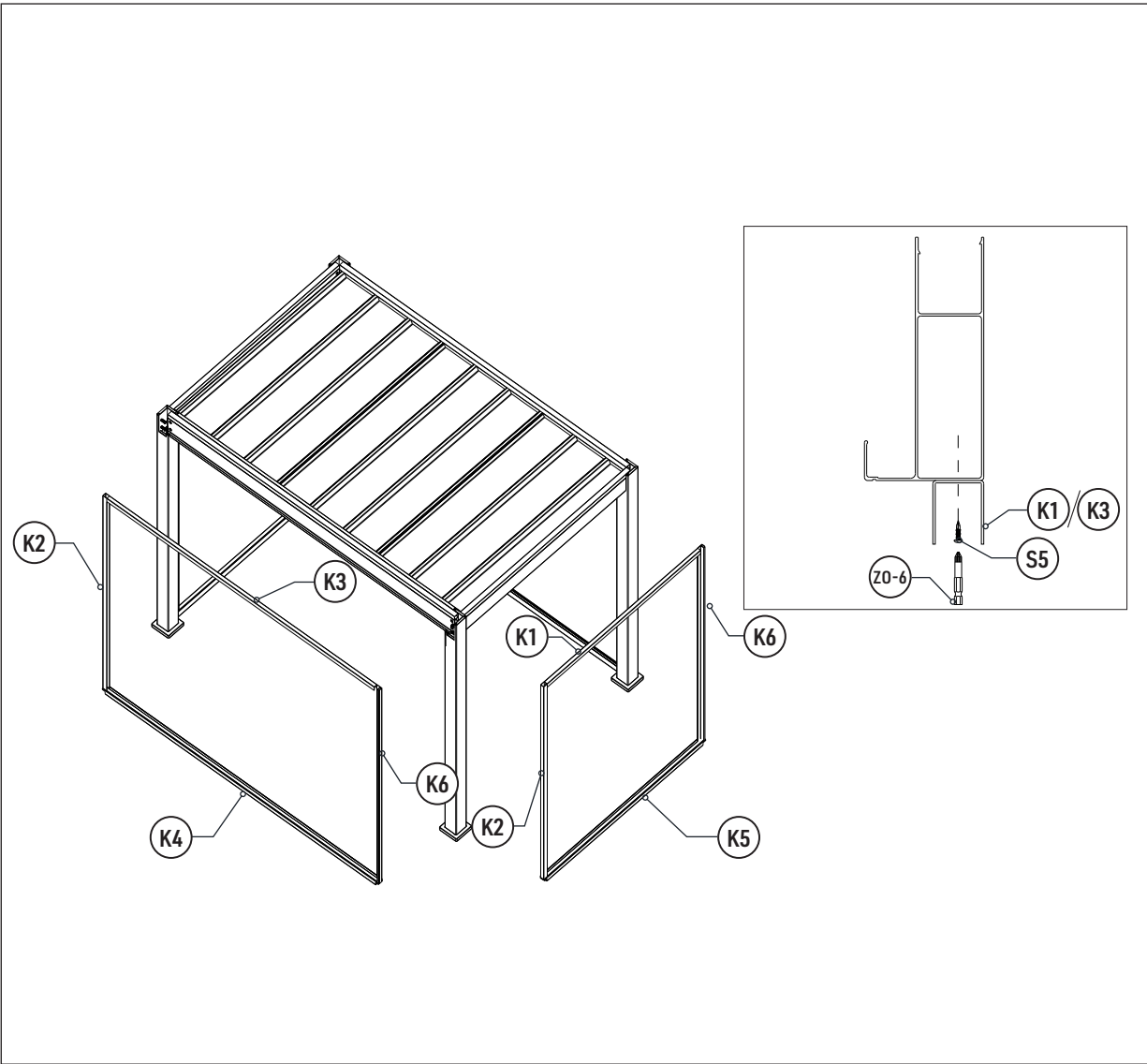
No.	Diagram	QTY
S5	 4×16	8



No.	Diagram	QTY
ZO-6	 PH2	1





No.	Diagram	QTY
S5	 4×16	24
TO-1	 8×100	7


No.	Diagram	QTY
ZO-6	 PH2	1

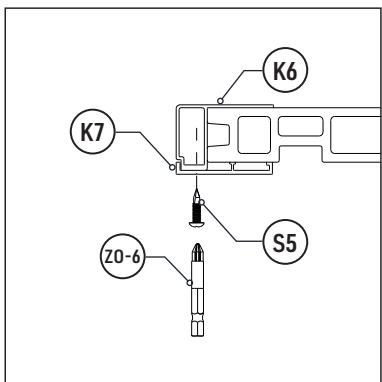
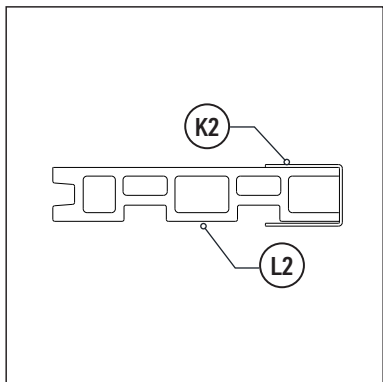
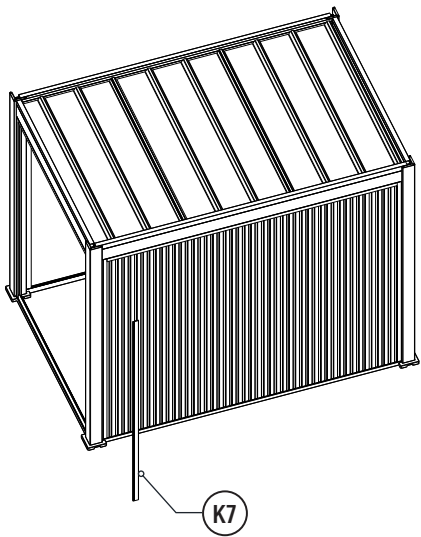
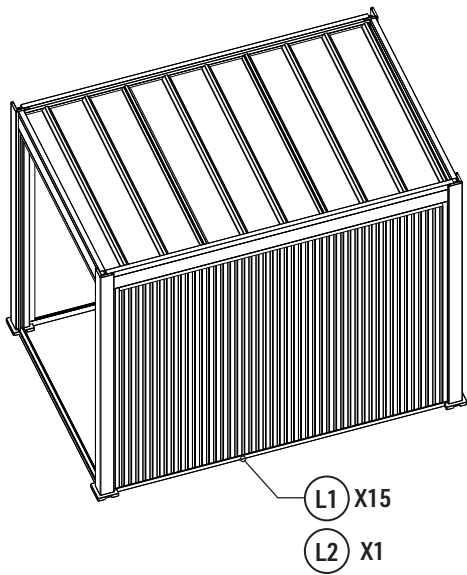






No.	Diagram	QTY
L1		15
L2		1


No.	Diagram	QTY
K7		1


No.	Diagram	QTY
S5	 4×16	4

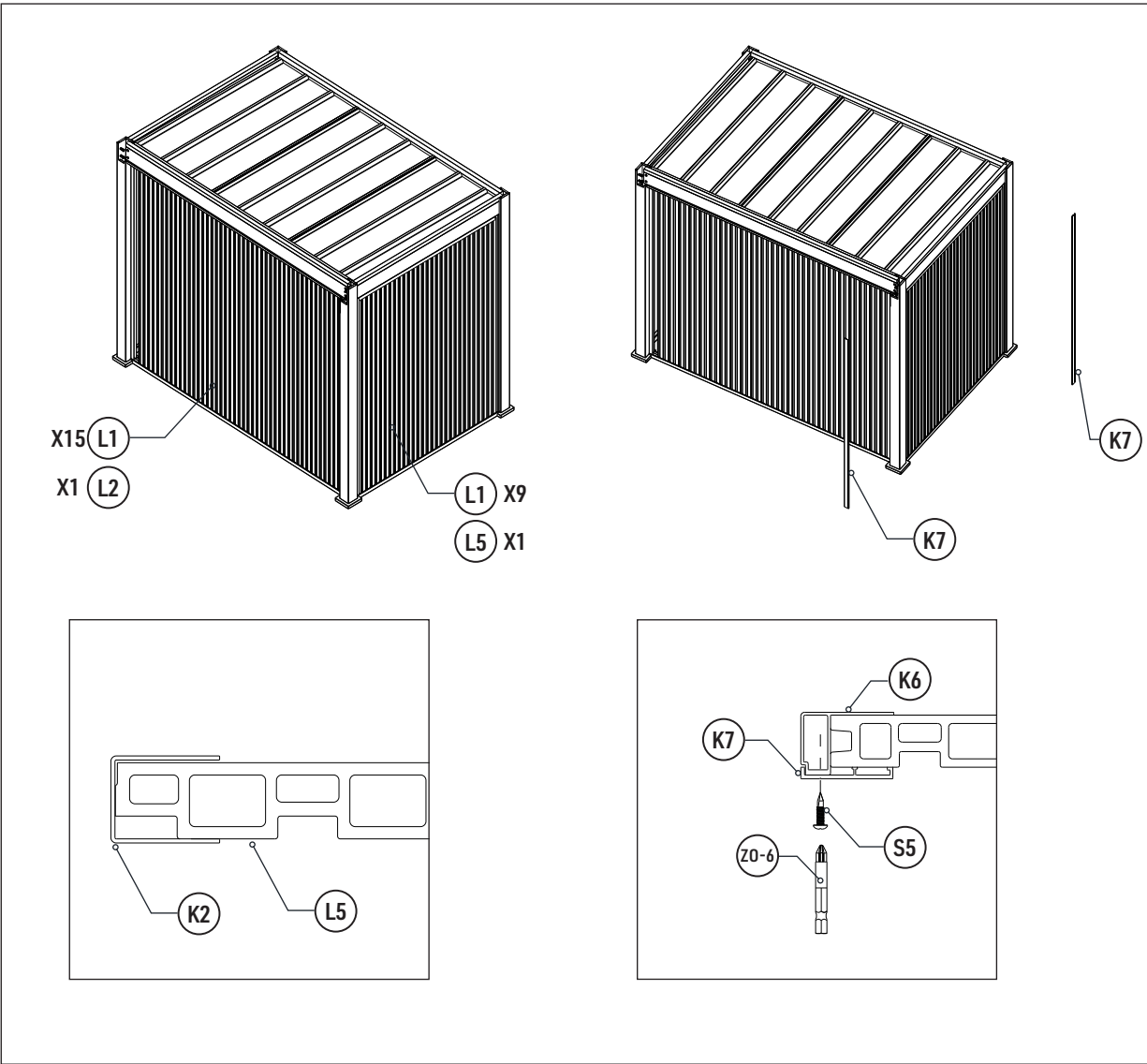
No.	Diagram	QTY
ZO-6	 PH2	1






No.	Diagram	QTY
L1		24
L2		1
L5		1
No.	Diagram	QTY
K7		2


No.	Diagram	QTY
S5	 4x16	8

No.	Diagram	QTY
ZO-6	 PH2	1



No.	Diagram	QTY
M1		15
M2		1

No.	Diagram	QTY
T3		1

No.	Diagram	QTY
ZO-6	 PH2	1

