



EAGLEPATIO INC  
2605 Technology Dr, Ste 300,  
Plano, TX 75074  
Email: [support@eaglepatio.com](mailto:support@eaglepatio.com)



User's Manual



Assembly Video

## USER'S MANUAL

# LOUVRE EPLUS 10'x12' ALUMINUM PERGOLA



**MODEL # : L5-EPLUS**

ENG 10x12 L5-Louvered Pergola V260105  
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For the most up to date assembly manual, please scan the QR codes  
on top, or to order replacement parts , please visit [www.eaglepatio.com](http://www.eaglepatio.com)

# WELCOME TO THE EAGLEPATIO LIFESTYLE!

Thank you for choosing EaglePatio! We believe your outdoor space should be a sanctuary, a place to relax, connect, and enjoy life's simple pleasures.

Just as our team envisioned, EaglePatio redefines what it means to unwind in your backyard. Imagine a shaded retreat where moments are made: morning coffee under soft sunlight, afternoon gatherings with loved ones, or quiet evenings beneath the stars.

With EaglePatio, your Pergola becomes more than just a structure—it becomes the heart of your outdoor living, crafted for both elegance and ease. From cutting-edge engineering to refined outdoor solutions, EaglePatio simplifies life so you can focus on what matters most.

Because your backyard isn't just part of your home—it's where memories begin.

**EaglePatio**  
**Spaces for What Matters.**



This Instruction manual will gives you a comprehensive illustration about our product, including Parts, Installation, Warranty Policy, Care and Maintenance. Please carefully read the manual, and make sure NO important information is missed.

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# INSTALLATION GUIDELINES AND SAFETY PRECAUTIONS

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The installation of a Pergola demands meticulous attention to technical requirements and professional expertise due to its structural complexity. Key considerations include:

## 1. Precision Engineering

Accurate measurement and leveling of supports and framework.

Secure floor drilling with correct anchoring or approved fastening systems.

## 2. Operational Safety Requirements

Work at height and heavy load handling necessitate a minimum team of at least two capable adults equipped with PPE ( Personal Protective Equipment) and three capable installers will be mostly recommended.

All operations must comply with relevant industrial safety standards.

## 3. Strict Supervision

In case of uncertainty regarding installation safety or structural integrity, consult a certified professional.

Strict adherence to assembly instructions is critical to prevent falls or structural failure.

## SAFETY INFORMATION

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- Keep children and pets away from any plastic bags, tools, fittings, and the assembly area until work is complete.
- Some components are heavy. Use proper lifting posture and technique. Ask for assistance if needed.
- Be careful when using sharp tools.
- Don't climb or stand on the roof.
- The Pergola should not be assembled directly under trees and powerlines.
- DO NOT assemble the Pergola in windy or wet conditions.
- Avoid using strong solvents such as thinners, or solutions containing chlorinated hydrocarbons, esters, or ketones. Do not use abrasive cleaners or cutting compounds.
- **If you have any doubt about electricity, consult a licensed electrician.**

## DISCLAIMERS

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- **DO NOT** modify this product, use unauthorized tools, or substitute parts only. Unauthorized modify will void your warranty.
- EaglePatio is not responsible for any damage resulting from normal wear and tear, improper assembly, misuse, or negligence.
- Manufacturer disclaims responsibility for damage arising from non-compliant installation, natural disasters, or extreme weather events. Immediate snow removal is mandatory to prevent structural overload during heavy snowfall.
- EaglePatio is not liable for typographical errors, content inaccuracies. The contents in this manual are subject to change without notice.
- The EaglePatio Pergola should only be connected to power sources installed by a licensed electrician.

## BEFORE ASSEMBLY

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- △ Remove all parts and hardware from the box. Place all items on a carpeted or scratch-free work surface, as this will avoid damaging parts during assembly.
- △ The shipping box can provide an ideal work surface if none is available.
- △ To avoid accidentally discarding small components or hardware, do not dispose of any packaging or contents of the shipping carton until assembly is complete.
- △ **DO NOT** fully tighten all fasteners / screws until all parts are in place. Failure to follow these instructions may cause the fasteners / screws to misalign during assembly.

## ASSEMBLY NOTES

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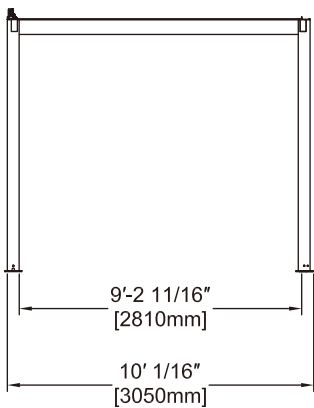
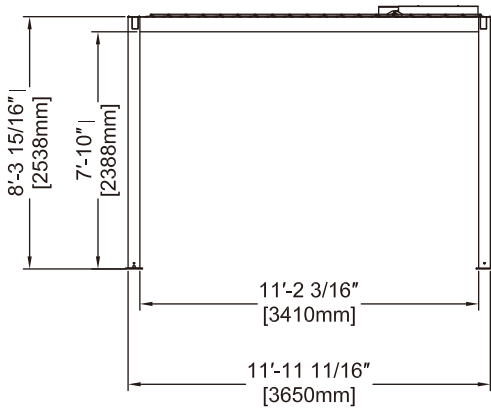
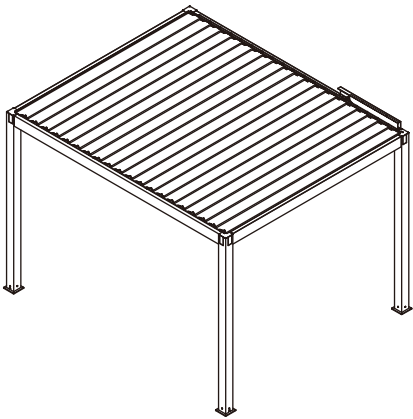
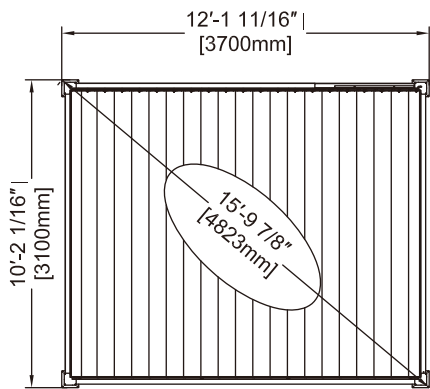
**It is critical to begin with square, level footings, namely a flat surface such as a concrete pad or deck before attaching your structure.**

- Carefully review the required items for each step. Always use the correct hardware, as incorrect hardware may cause structural damage or insufficient clearance.
- Always double-check for underground utilities and overhead electrical lines clearance before installation.

**Post mounts are included, allowing you to permanently install your structure onto an existing or new wood or concrete surface. See Anchoring Layout for further details and recommendations.**

- Hardware to connect the post mounts to the structure is included.
- Hardware for permanent concrete installation is also provided.
- Ensure there is adequate structural support beneath the deck before permanent attaching.

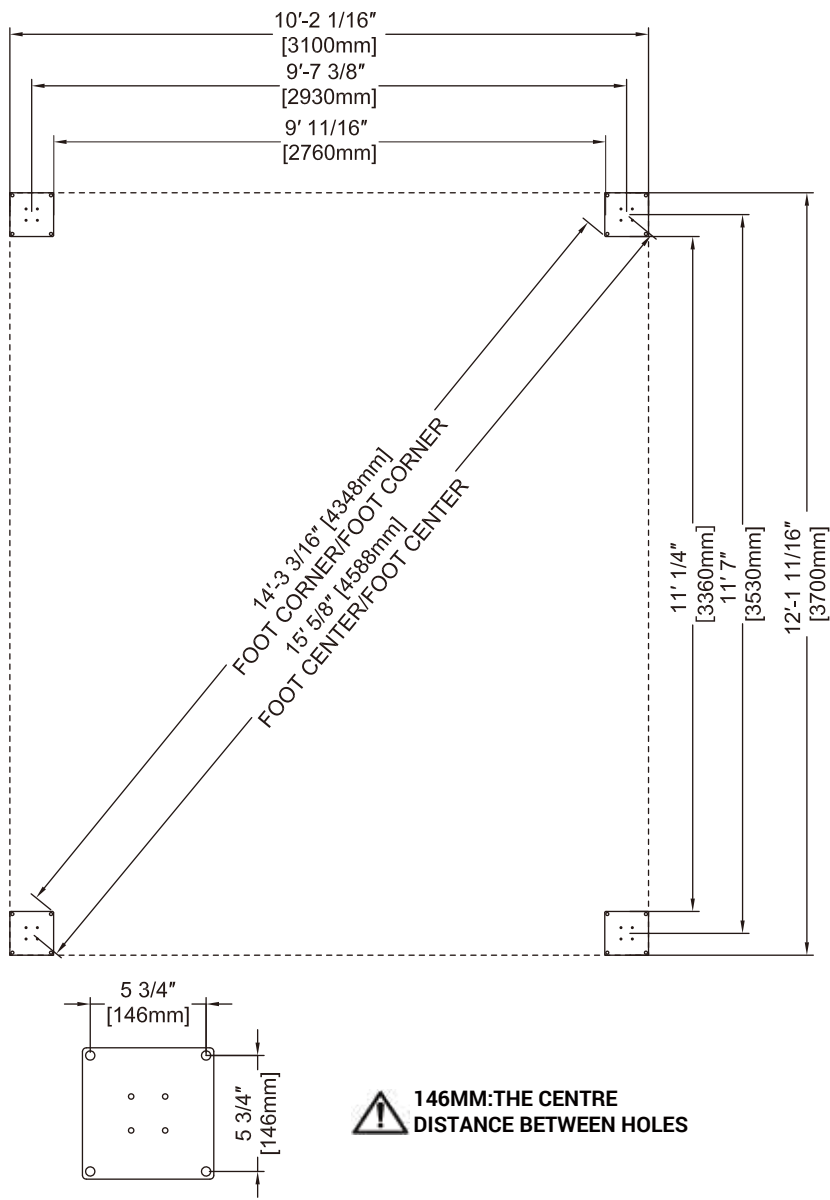
DIMENSIONS



# ANCHORING LAYOUT

NOTE: DIMENSIONS ARE TO ANCHOR PLATE ON BOTTOMS OF POST EXCEPT WHERE NOTED

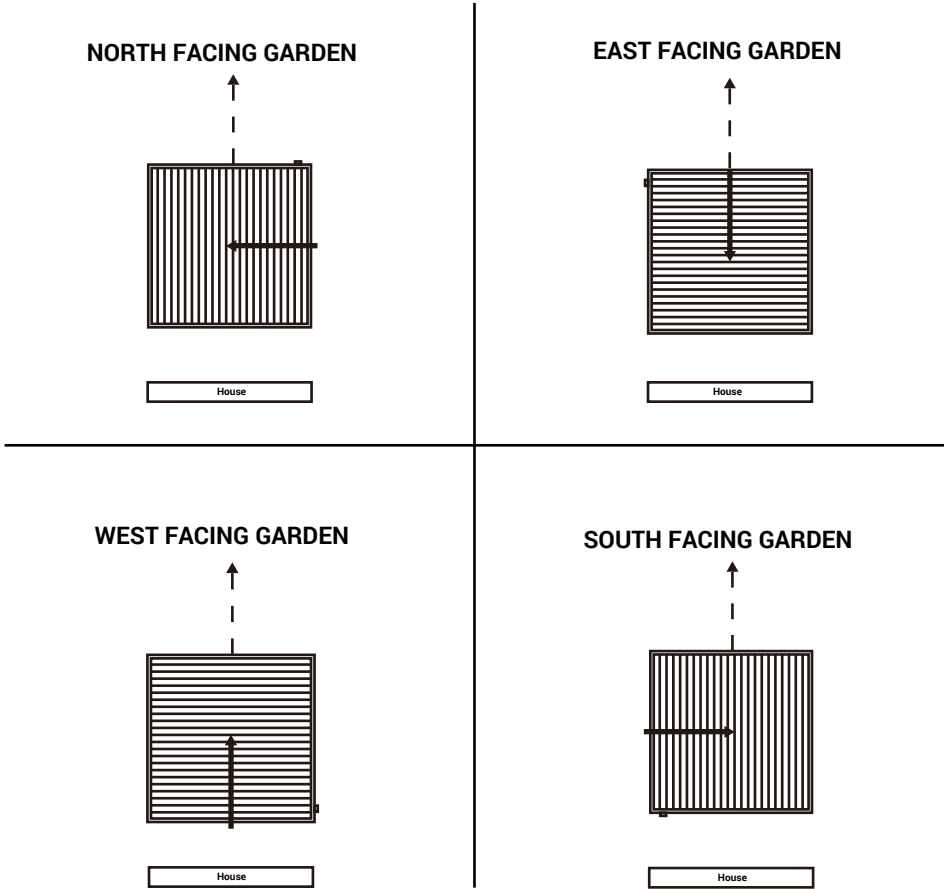
THE PROTRUDING ROOFTOP MAY REQUIRE EXTRA CLEARANCE. ENSURE CLEARANCE IS SUFFICIENT FOR PERGOLA INSTALLATION.



# RECOMMENDED LOUVRED POSITION

The louvres and gearbox location can be placed in your preferred position. However, we suggest the louvres to be positioned perpendicular to the sunlight for the best lighting. Please refer the guide below to maximize your sunlight accordingly.

**TOP TIP**  
KEEP THE GEARBOX LOCATION AS  
NORTHERLY AS POSSIBLE





# **SORTING PARTS**

## **HARDWARE PARTS:**

- Hardware blisters pack are labeled with alphanumeric part numbers.
- It is highly recommended to pre-organize hardware by part number or type (e.g., bolts, nuts, etc.).
- Parts can also be sorted by the alphabetical portion of their part code, which helps guide the order of installation.
- Fasteners should only be selected during their designated assembly step to avoid losing.
- The quantity listed on the Parts page reflects the number of components required for installation. (There are a few spare screws for backup)
- It is recommended to remove stickers from large parts only after installation is complete.
- Additional spare fasteners are available and individually packaged.

CARTONS ARE NOT ORGANIZED BY PART NUMBER. IT IS RECOMMENDED TO LEAVE LOUVER COMPONENTS IN THE BOX UNTIL NEEDED FOR ASSEMBLY.

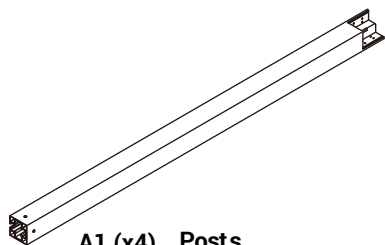
## **PARTS IDENTIFICATION EXAMPLE**



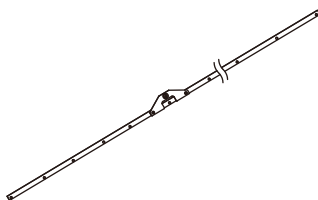
Part No.	Quantity	Name Description	Specifications
S1	x48	Hexagon Socket Countersunk Head Screws	M6*20mm

# PARTS IDENTIFICATION

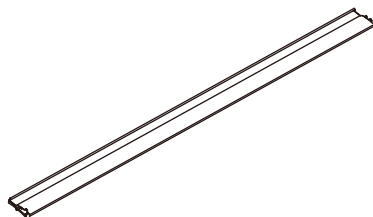
## METAL COMPONENTS (NOT TO SCALE)



**A1 (x4) Posts**  
8'-3 5/8" x 4 3/4" x 4 3/4"  
(2530\*120\*120mm)



**G (x1) Pushrod**  
10'-11 1/8" x 11/16" x 3/8"  
(3330\*18\*10mm)



**F (x20) Louvers**  
9'-5 3/8" x 1 5/16"  
(2879\*195\*33.2mm)



**B1 (x1) Left Crossbeam**  
11'-6 15/16" x 5 7/8" x 3 15/16"  
(3529\*150\*100mm)



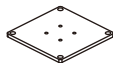
**B2 (x1) Right Crossbeam**  
11'-6 15/16" x 5 7/8" x 3 15/16"  
(3529\*150\*100mm)



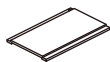
**C1 (x2) Front and Rear Crossbeams**  
9'-7 5/16" x 5 7/8" x 3 15/16"  
(2929\*150\*100mm)

# PARTS IDENTIFICATION

## METAL COMPONENTS (NOT TO SCALE)



**K1 (x4) Base Plate**  
5 7/8" x 5 7/8" x 5/16"  
(170\*170\*8mm)



**K2 (x8) Decorative Plate**  
4 3/4" x 2 15/16" x 3/16"  
(120\*74\*5mm)

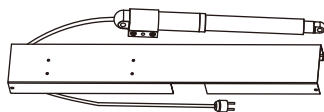


**K3 (x4) Top Cover Plate**  
4 3/4" x 4 3/4"  
(120\*120mm)



**K4 (x8) Base Plate Cover**  
7 8/16" x 7 8/16" x 9/16"  
(190\*190\*39mm)

## MOTOR KIT (NOT TO SCALE)



**M1 (x1) Motor, Adapter And Cover**  
3'-3 6/16" x 4 2/16" x 1 15/16"  
(1000\*105\*50mm)



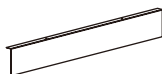
**M2 (x1) Motor Seat**  
2 12/16" x 1 9/16" x 1 14/16"  
(70\*40\*47mm)



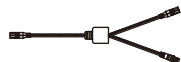
**M3 (x1) Remote Control**  
DC2708AA



**M4 (x1) Shock-Absorbing Plate**  
4/16" x 10/16"  
(φ6 & M6\*16mm)



**M5 (x1) Motor Cover**  
2'-7 8/16" x 4 2/16" 15/16"  
(800\*105\*25mm)



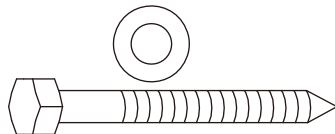
**M6 (x1) T-Joint Wire**

# PARTS IDENTIFICATION

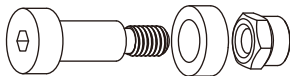
## FASTENERS (NOT TO SCALE)



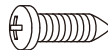
**S1 (x48) Hexagon Socket Countersunk Head Screws**  
M6\*20 mm



**S2 (x16) Hex Lag Screws and Flat Washers**  
φ10\*50 & M8\*75 φ8 mm



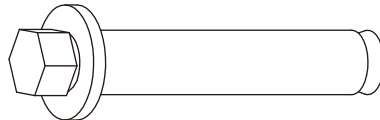
**S3 (x20) Stop Bolts, Plastic Washers Lock Nuts**  
M6\*φ8\*16, φ14xφ8x5, M6 mm



**S4 (x12) Cross Recessed Pan Head Self-Tapping Screws**  
ST5.5\*16 mm



**S5 (x8) Cross Flat Head Self-Tapping Screws**  
ST3.5\*13 mm

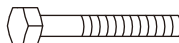


**S6 (x16) Hex Head Expansion Bolts**  
φ8\*80 mm

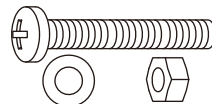
## MOTOR KIT FASTENERS (NOT TO SCALE)



**S7 (x5) Hex Button Screws and Flat Washers**  
φ6\*M6\*16 mm



**S8 (x1) Hexagon hex Bolt**  
M6\*40 mm



**S9 (x1) Nut & Flat Washer & Bolt**  
M10&φ10 &M10\*55 mm



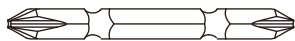
**S10 (x2) Cross Recessed Pan Head Self-Tapping Screws**  
ST4.2\*16 mm



**S11 (x5) Adhesive Clip**  
13\*13\*9 mm

# PARTS IDENTIFICATION

TOOL (NOT TO SCALE)



**T1 (x1) Phillips Screwdriver Bit**  
PH2 65mm HRC60



**T2 (x1) Hex Screwdriver Bit**  
4mm 65mm HRC60



**T3 (x1) Hex Wrench**  
4mm 140 x 25mm HRC60



**T4 (x1) Carbide-Tipped SDS Rotary Hammer Bit**  
φ12 x 150mm



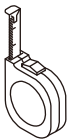
**T5 (x1) Sealant**  
85g

# TOOLS REQUIRED

## WHAT YOU MAY NEED?



**Ladder x2**



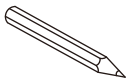
**Tapeline**



**Mallet**



**Level**



**Marker Pen**



**Wrench**



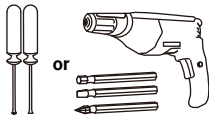
**Glove**



**Ø10mm  
Electric Screwdriver**



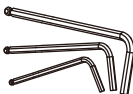
**Safety Hat**



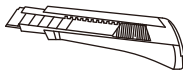
**Screwdriver or  
Electric Screwdriver**



**Sleeve Tool**

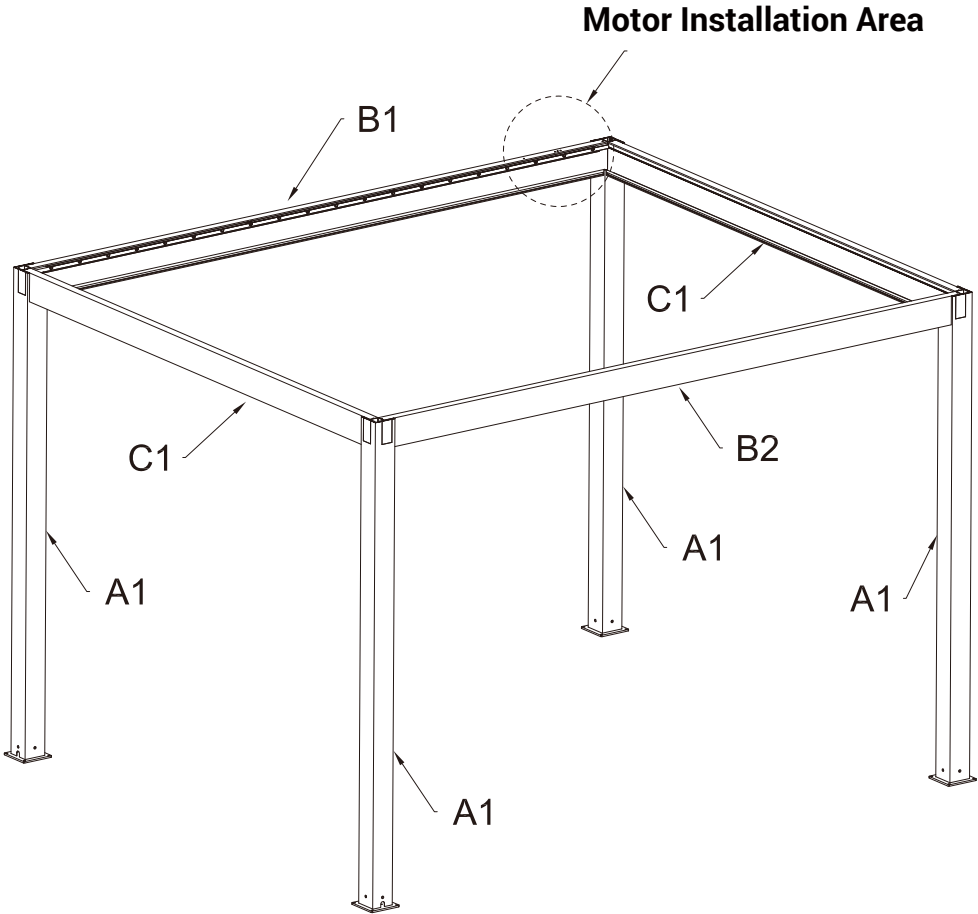


**Allen Key**






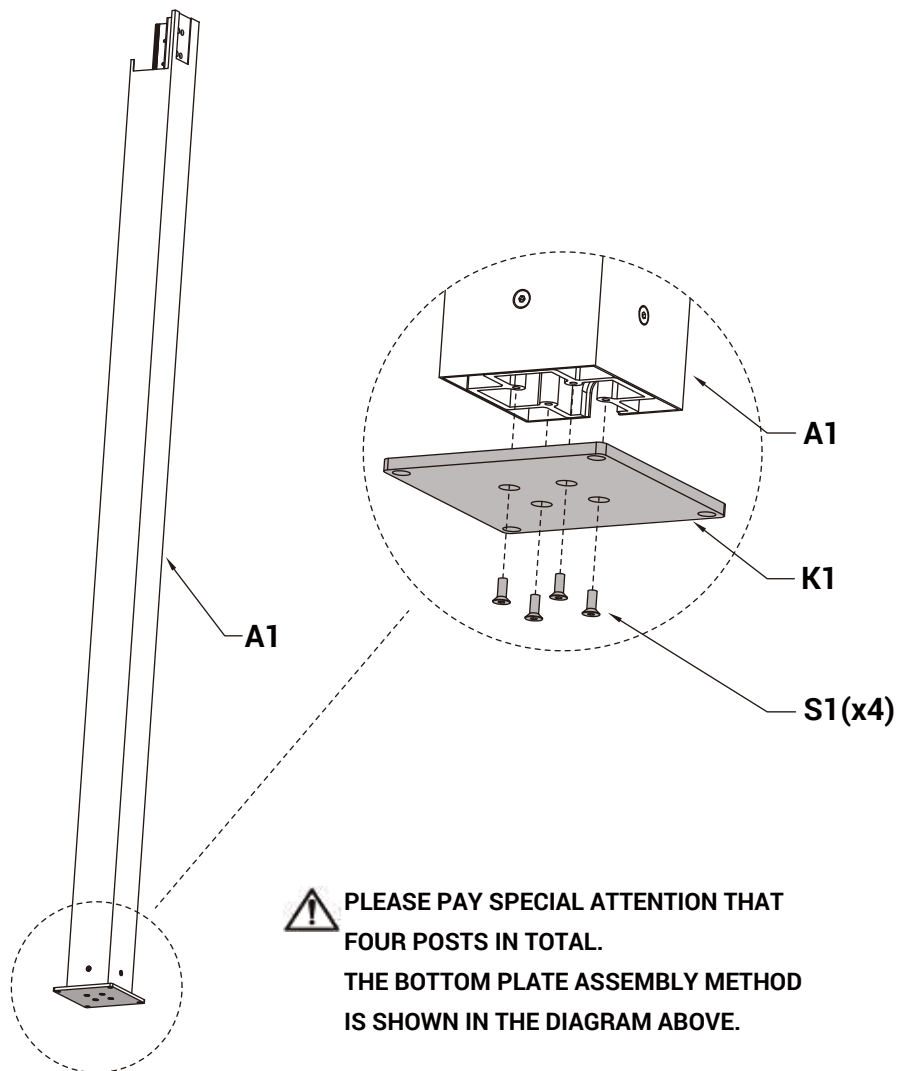
**Utility Knife**

# OVERVIEW OF THE FRAMEWORK





# 1

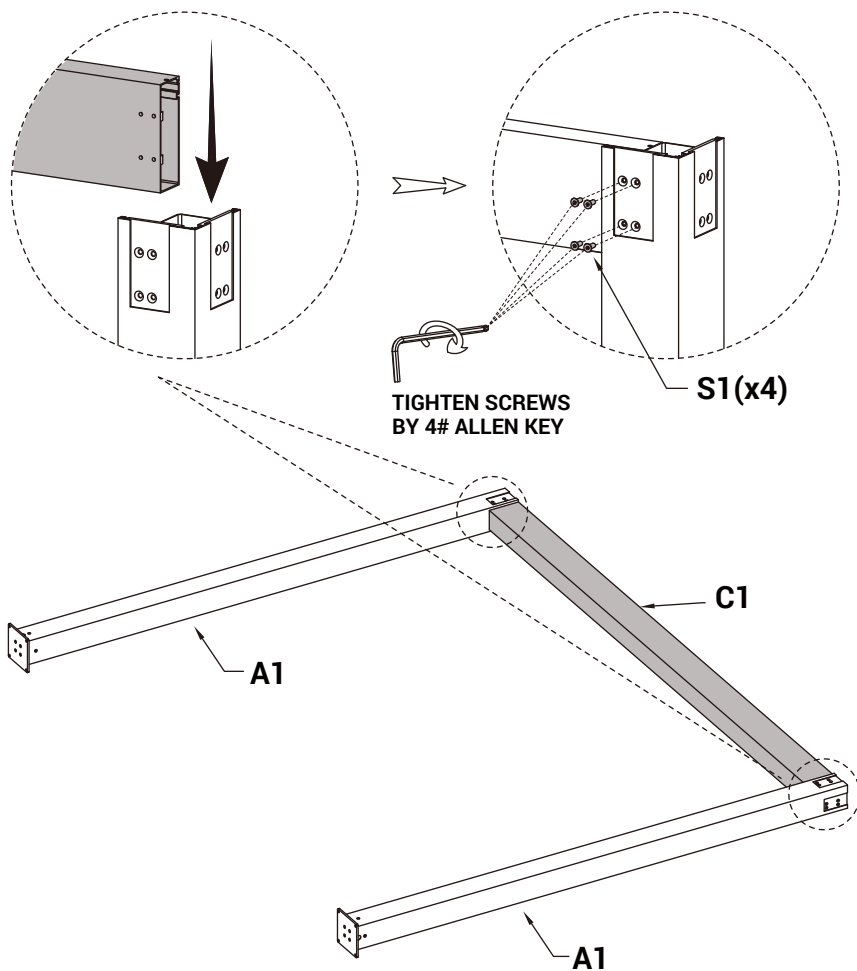
A1		x4
K1		x4
S1		x16





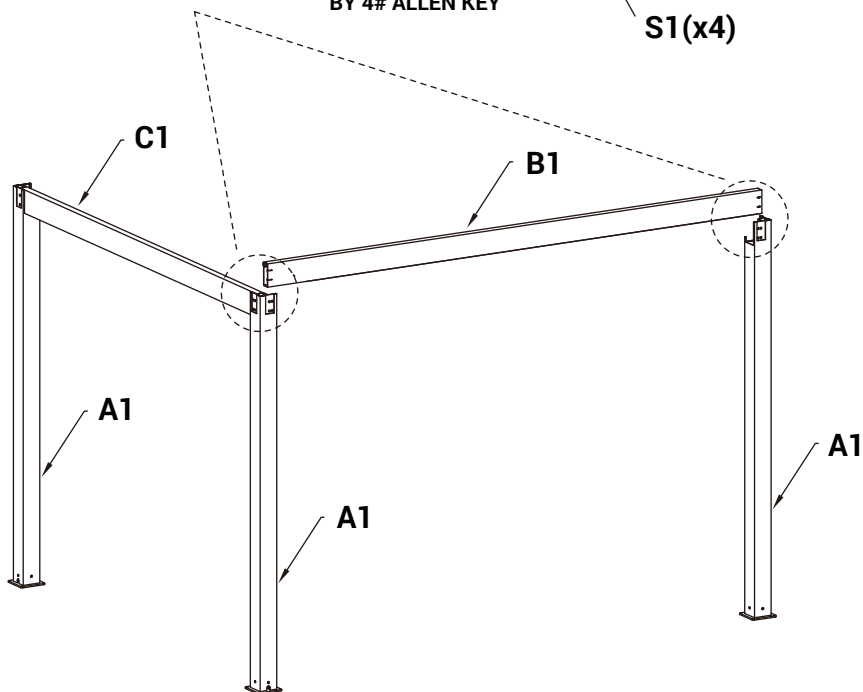
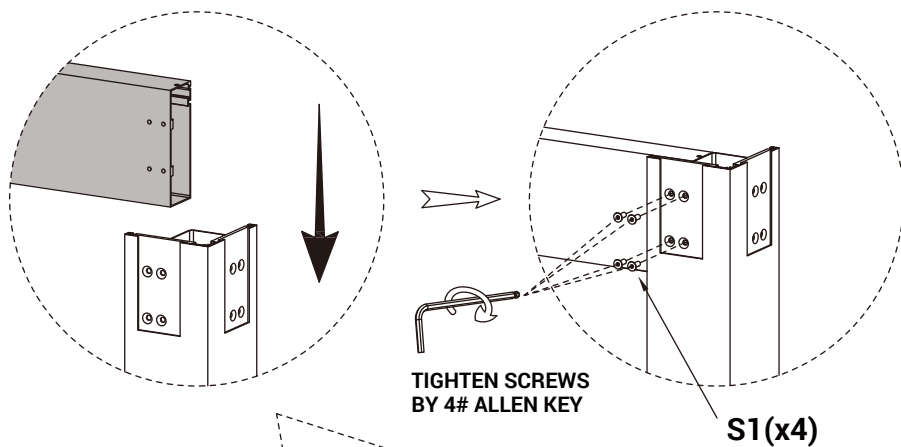
# 2-1

C1		x1	S1		x8
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


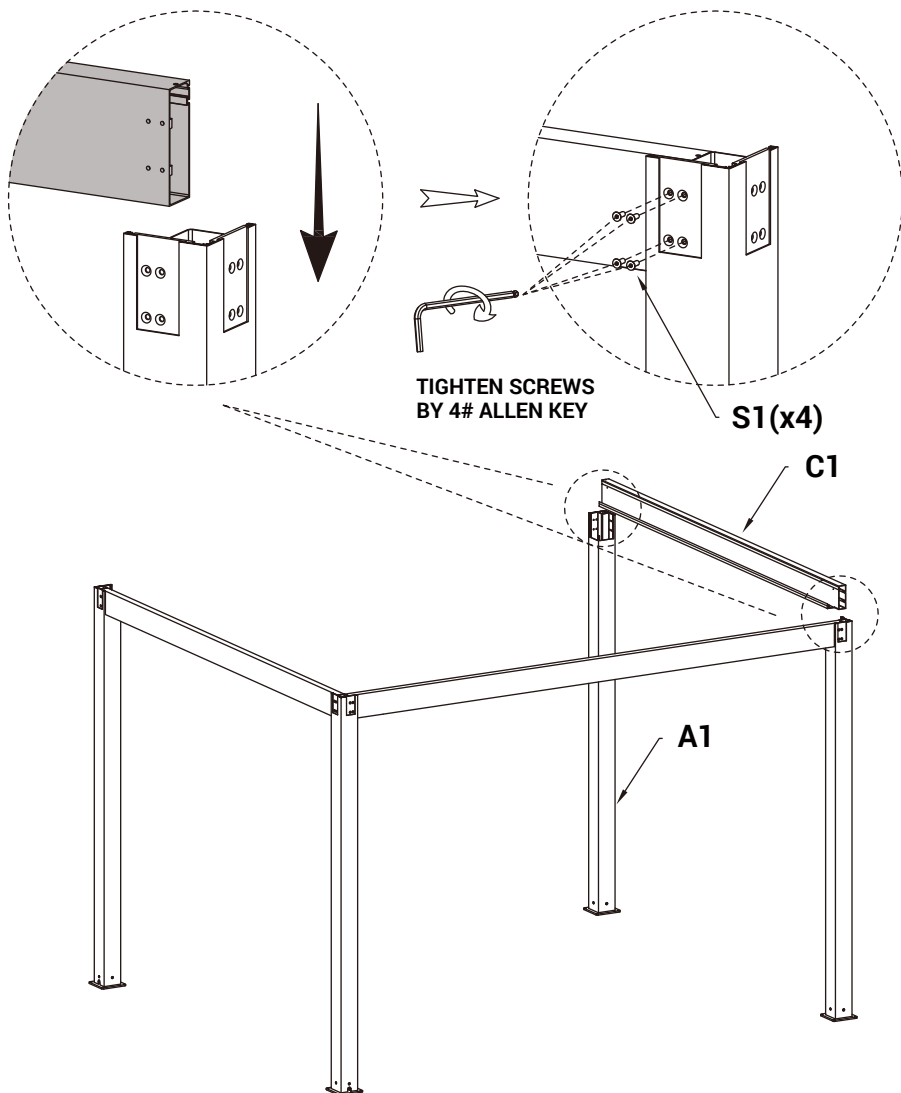
# 2-2

<b>B1</b>		<b>×1</b>	<b>S1</b>		<b>×8</b>
-----------	---	-----------	-----------	---	-----------



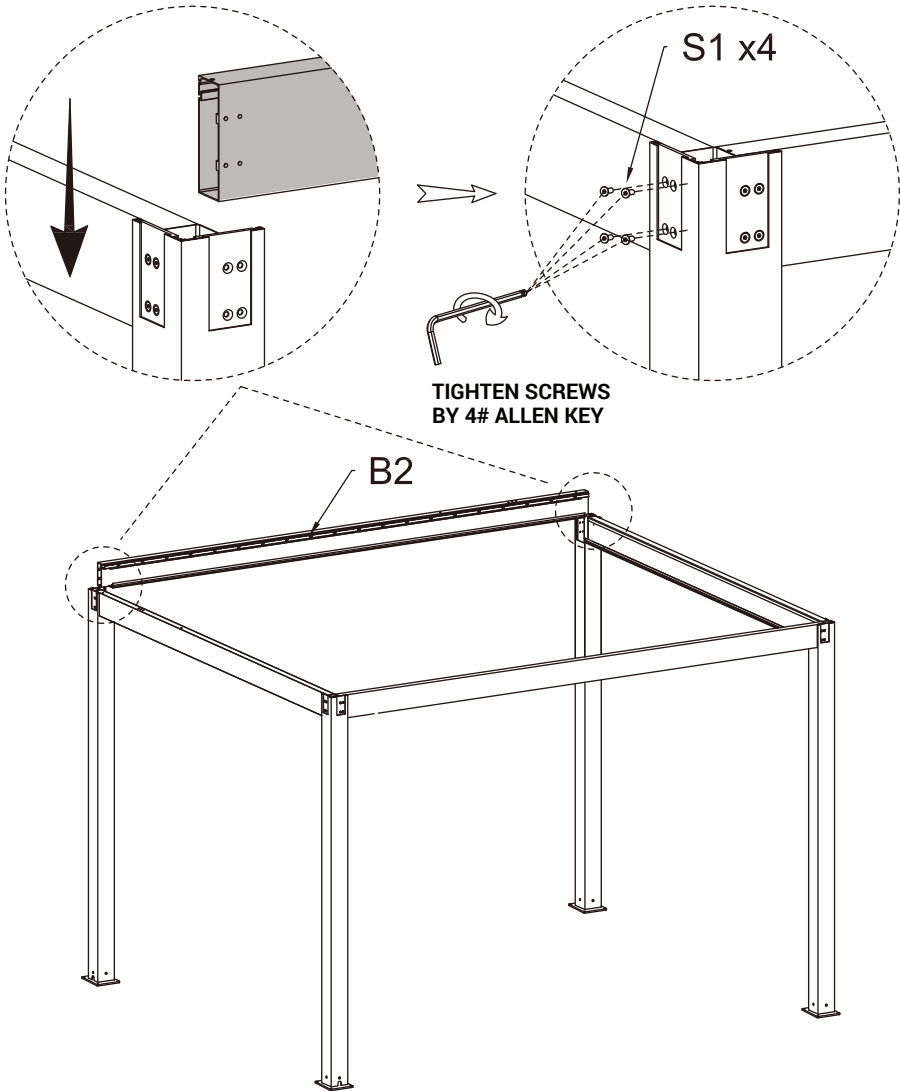
# 2-3

C1		x1	S1		x8
----	---	----	----	---	----

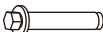




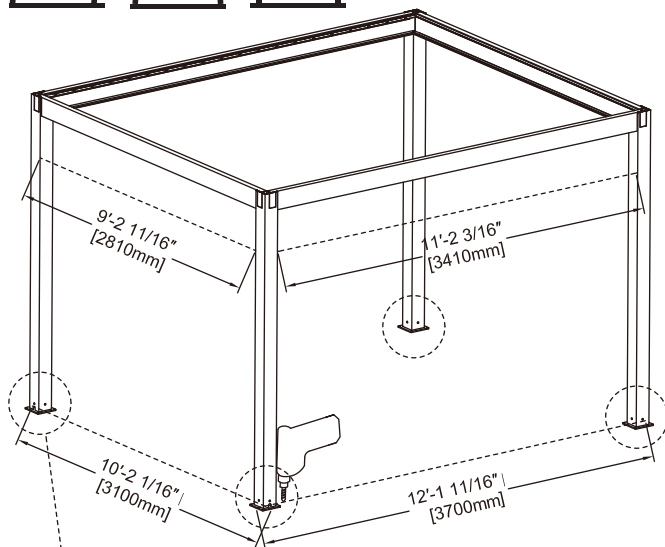
# 2-4

<b>B2</b>		<b>x1</b>	<b>S1</b>		<b>x8</b>
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# 2-6

S6		x16	S2		x16	S2		x16
----	---	-----	----	---	-----	----	---	-----



WE OFFER TWO TYPES OF ANCHOR METHOD.

**FOR CONCRETE FLOOR**

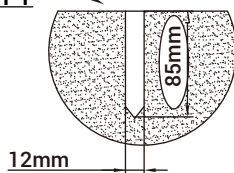
**FOR DECK**

**x16**

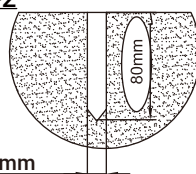


TIGHTEN SCREWS  
BY #13 WRENCH

Plan-1

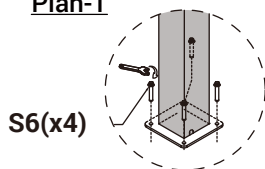


Plan-2



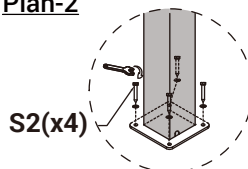
TIGHTEN SCREWS  
BY #13 WRENCH

Plan-1



**x4**

Plan-2

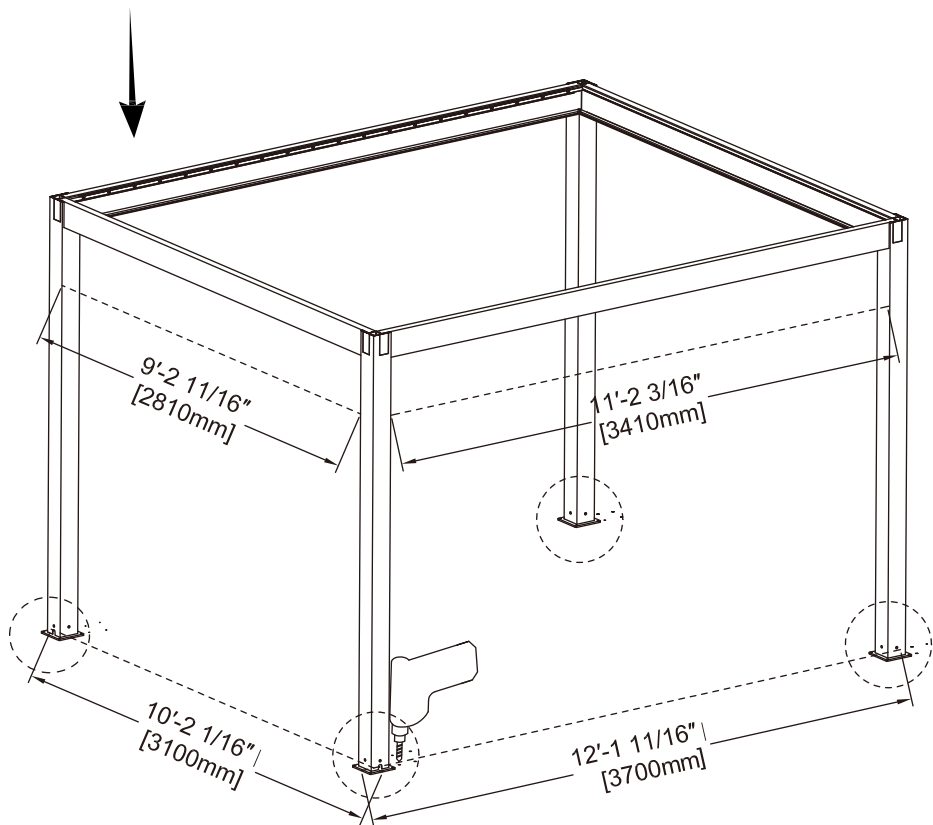
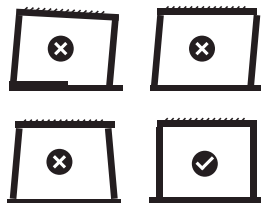
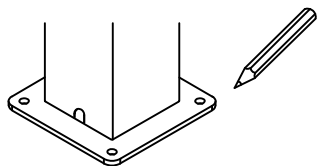


**x4**

## 2-5



FIRSTLY, FOLLOW THE DIMENSIONS IN THE MANUAL, DETERMINE THE INSTALLATION LOCATION AND MAKE SURE THE FOUR POSTS ARE PERPENDICULAR TO THE GROUND, THEN MARK THE POINTS WITH A MARKER.



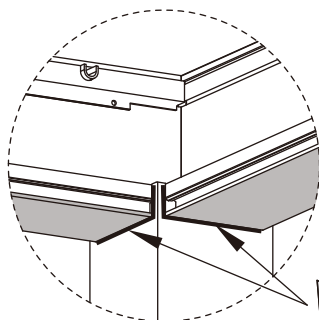
MOVE THE FRAME STRUCTURE AWAY FROM THE MARKS AND DRILL HOLES BY THE ROTARY HAMMER DRILL.

# 3

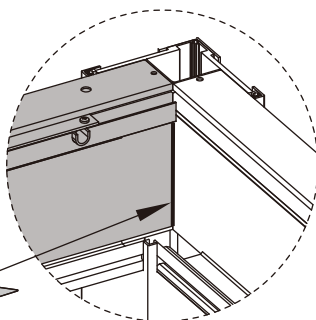
T5



x1



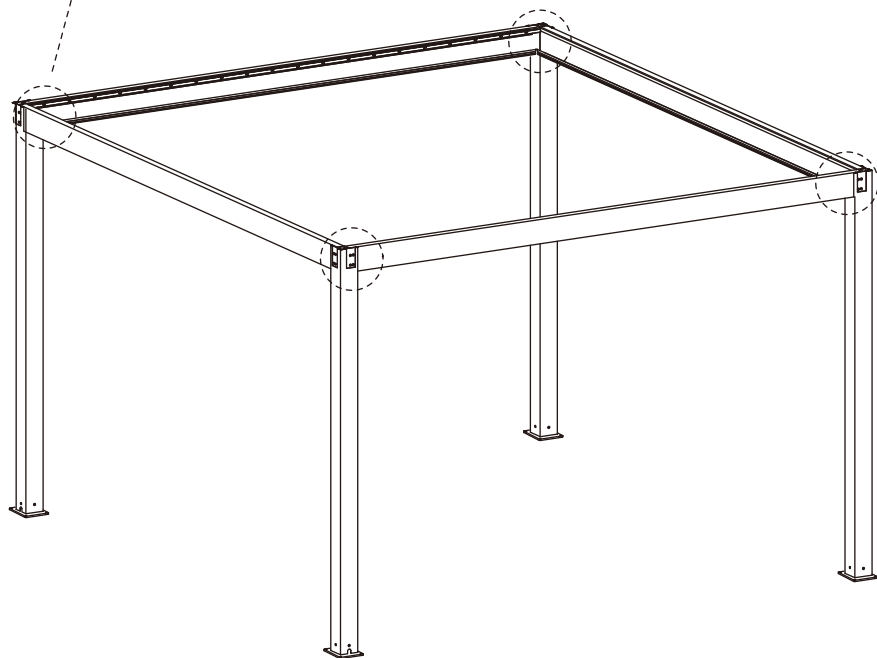
T5






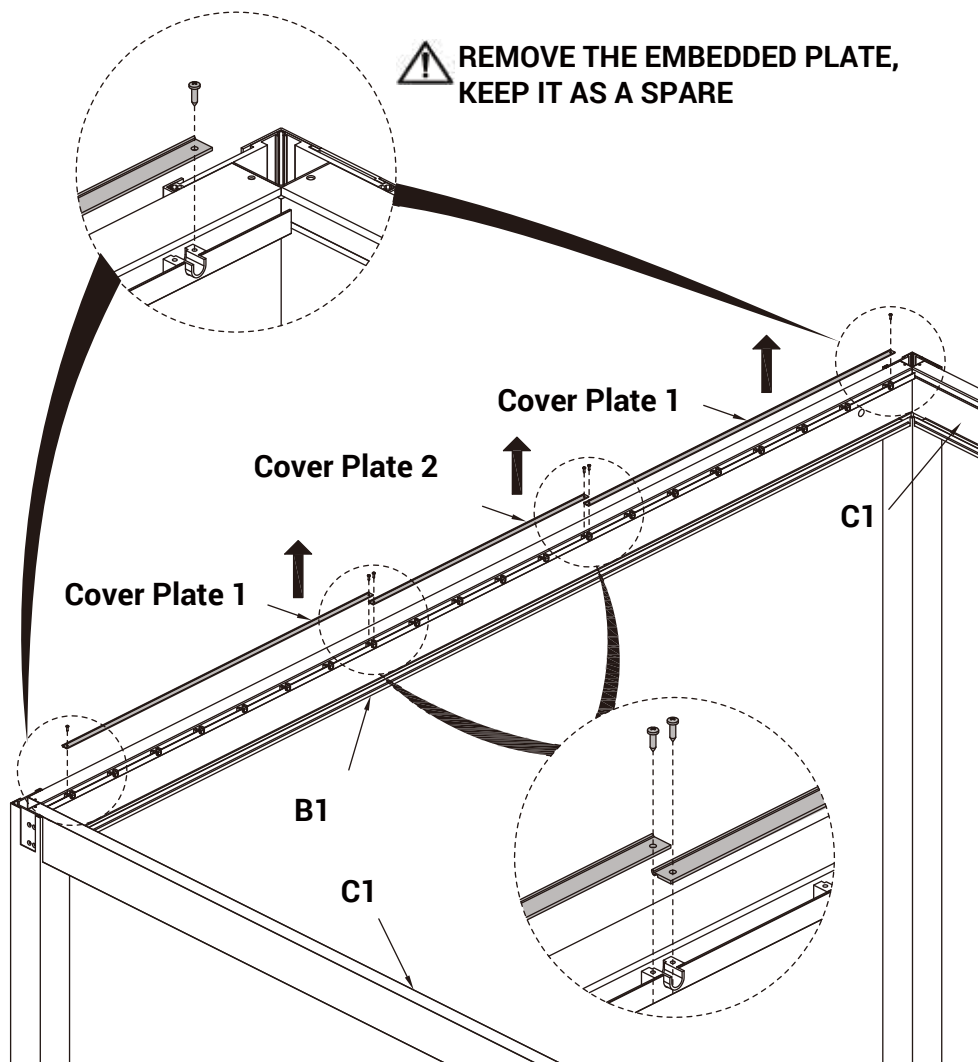
x4



**APPLY THE SEALANT ON  
THE FRONT BEAM SEAM**

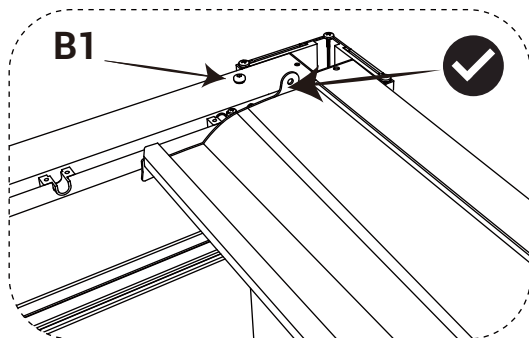


	Cover Plate 1 (Pre-installed)	×4
	Cover Plate 2 (Pre-installed)	×2
	(Pre-installed)	×12

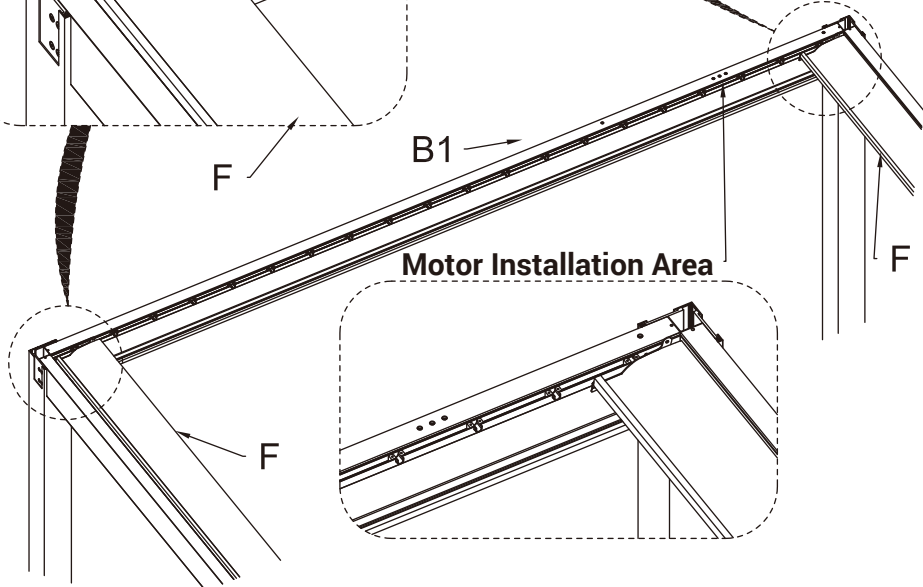
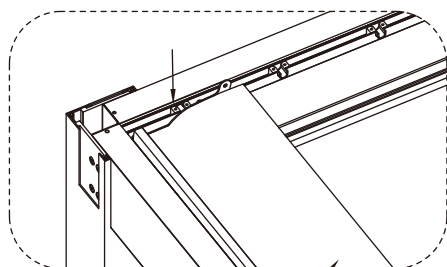
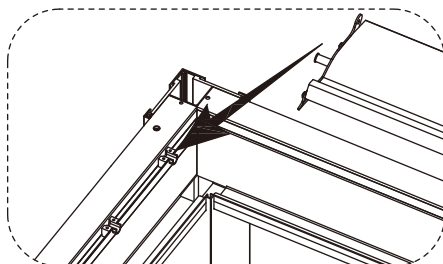
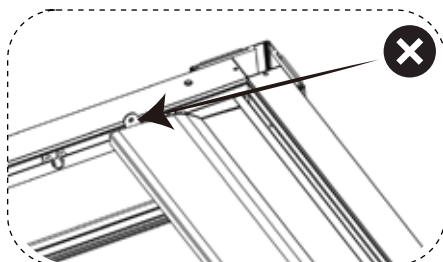







# 5



**Correct Louver Direction**  
**Curve Louvers Facing Upward**

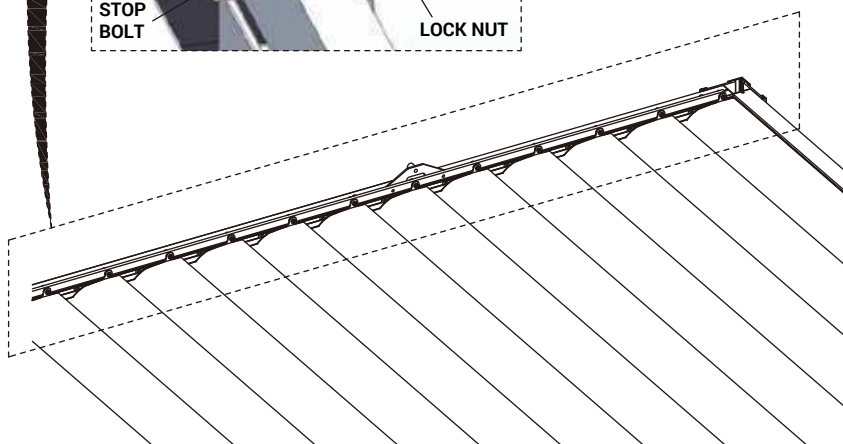
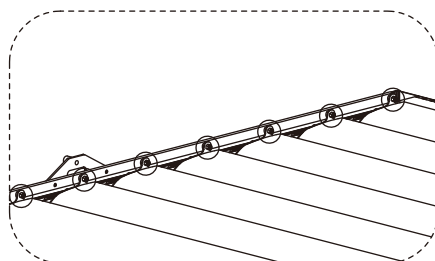
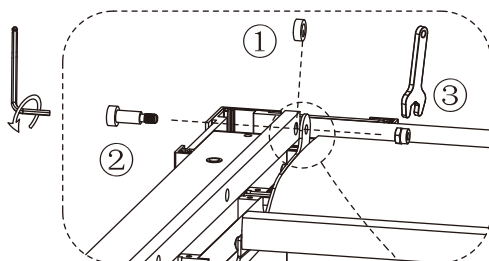


# 6

<b>F</b>	 <b>x18</b>
<b>G</b>	 <b>x1</b>
<b>S3</b>	 <b>x20</b>

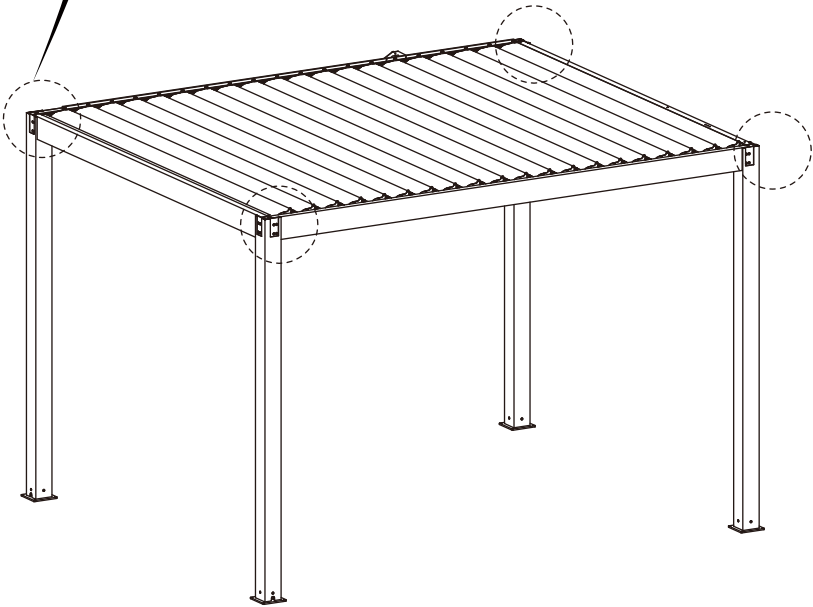
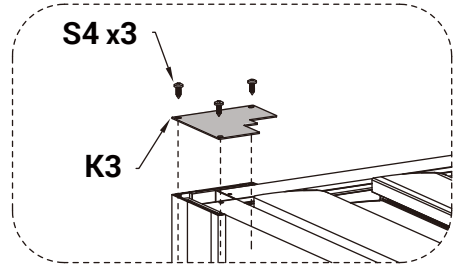
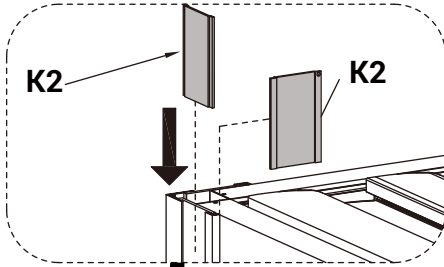
 **TIGHTEN SCREWS  
BY 4# ALLEN KEY**

 **AUXILIARY FIXATION  
WRENCH #10**






# 7

K2		x8	K3		x4	S4		x12
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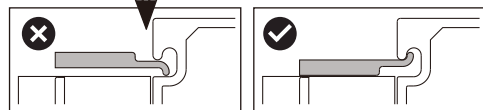
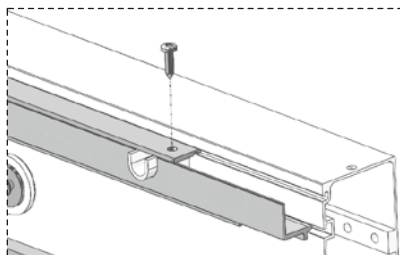
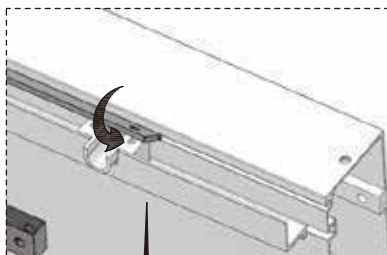


**REPEAT THE SAME STEP FOR ALL FOUR POST TOPS.**

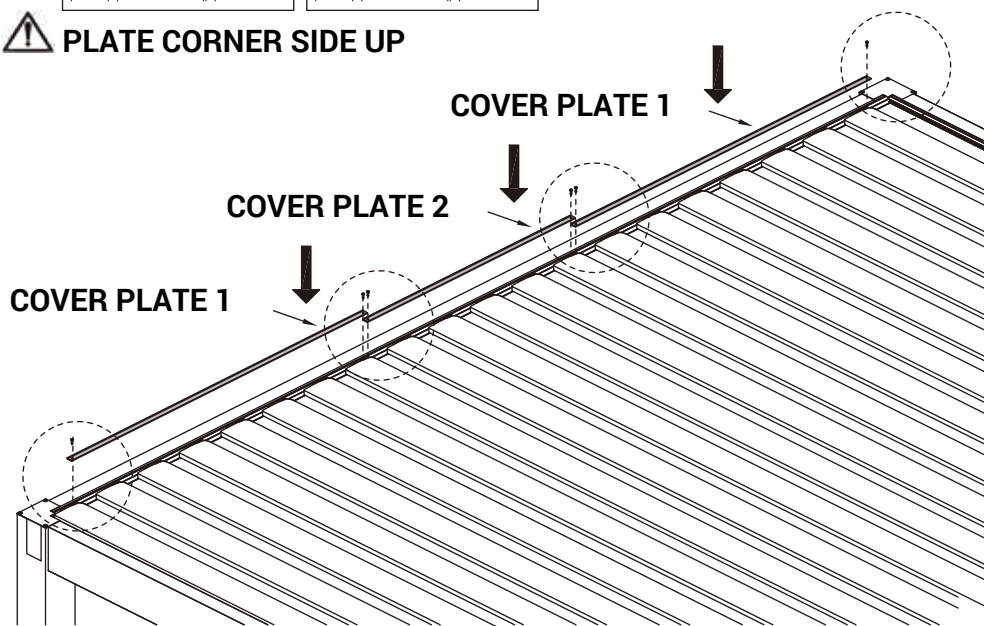
# 8

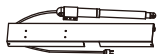





	Cover Plate 1 (Pre-installed)	×4
	Cover Plate 2 (Pre-installed)	×2
	(Pre-installed)	×12

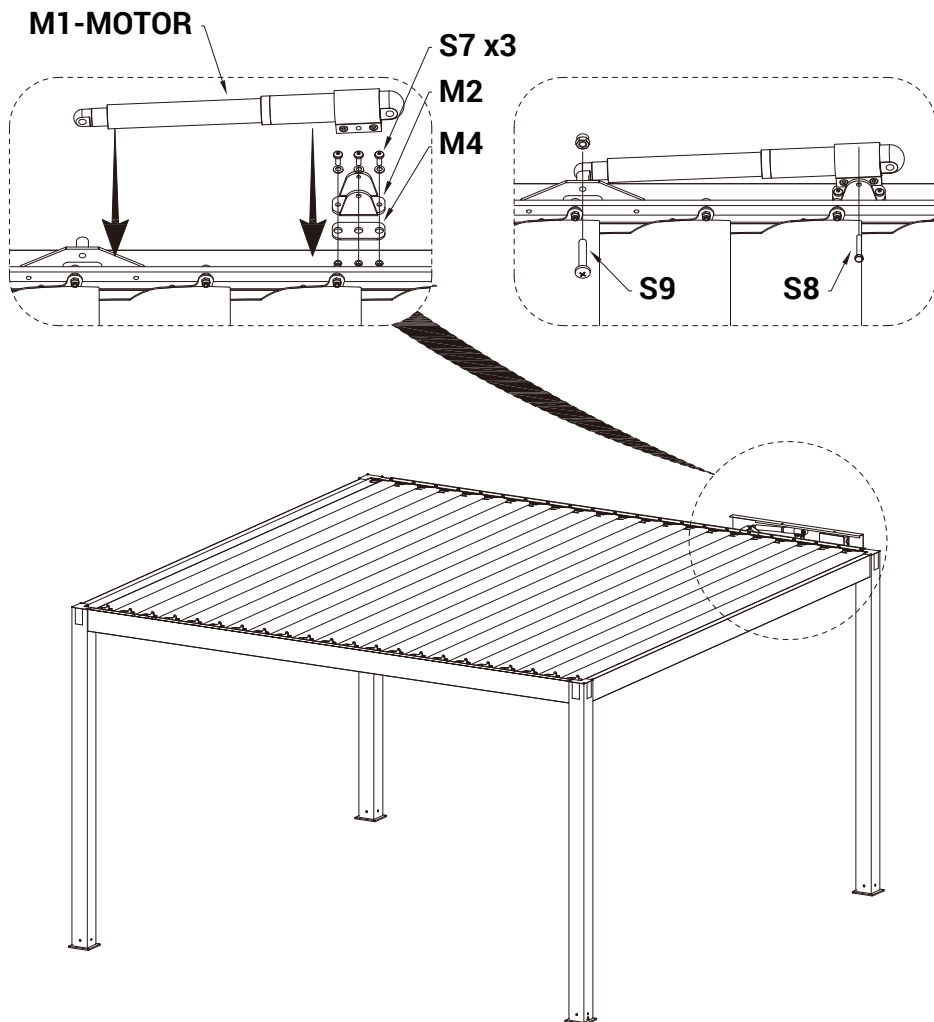
## REINSTALL ALL COVER PLATES



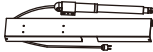




## PLATE CORNER SIDE UP

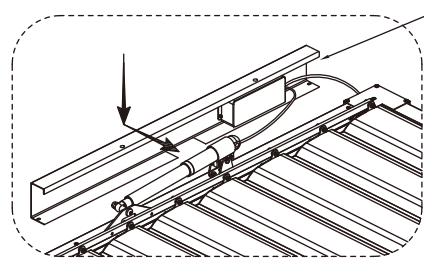


<b>M1</b>  <b>x1</b>	<b>M2</b>  <b>x1</b>	<b>S7</b>  <b>x3</b>
<b>S8</b>  <b>x1</b>	<b>S9</b>  <b>x1</b>	<b>M4</b>  <b>x1</b>

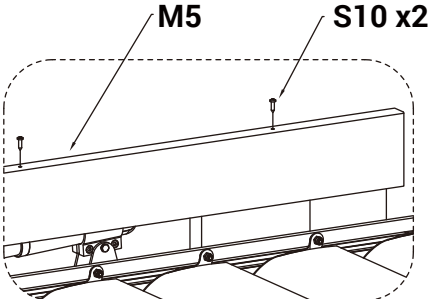
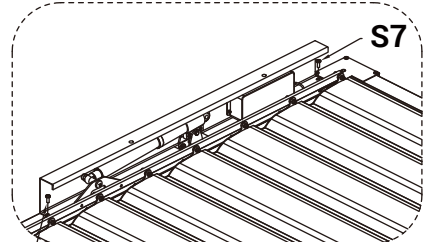


# 9-1

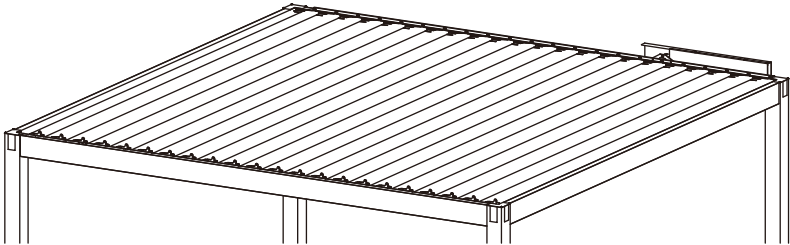
M1  x1	M3  x1	S7  x2
S10  x2	M5  x1	



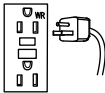
M1-COVER



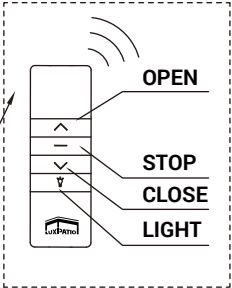
S7





**POWER ON AND TEST  
IF THE OPEN/ STOP/ CLOSE  
BUTTONS OF THE REMOTE  
CONTROL ARE WORKING NORMALLY.**

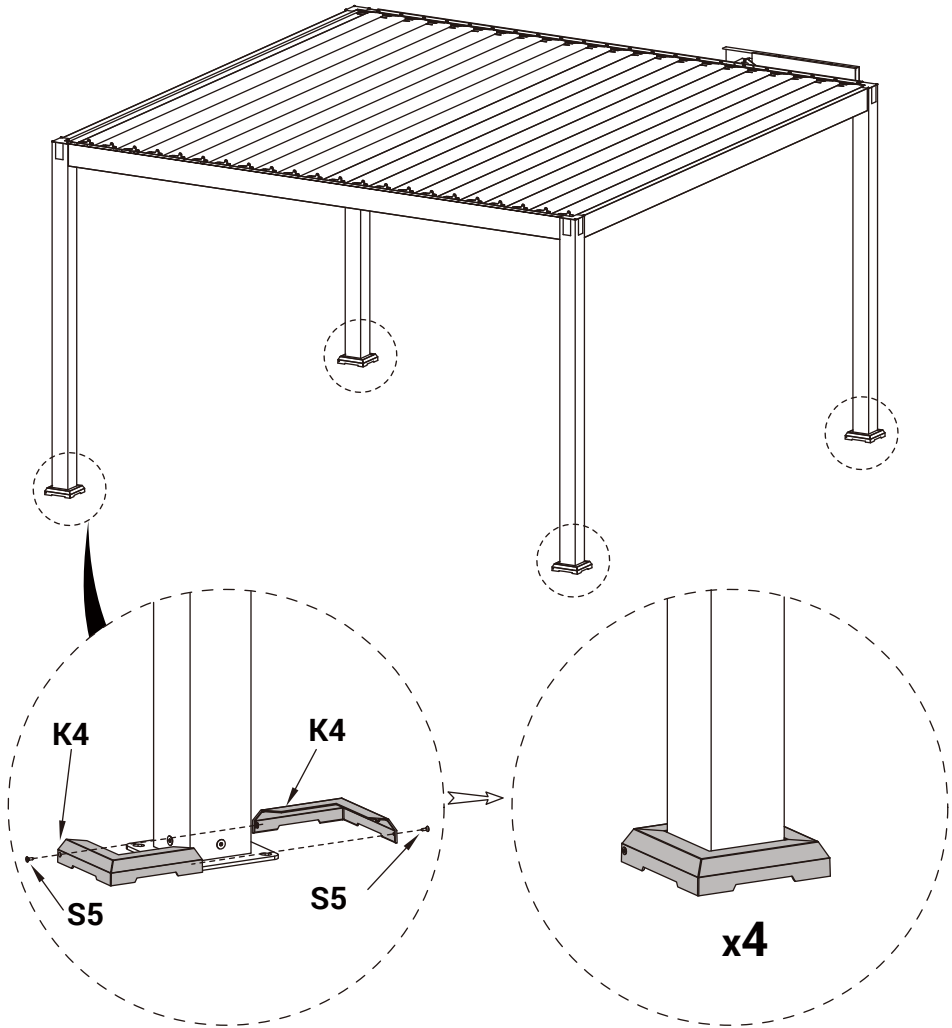


M3



# 10

K4		x8	S5		x8
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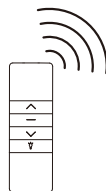
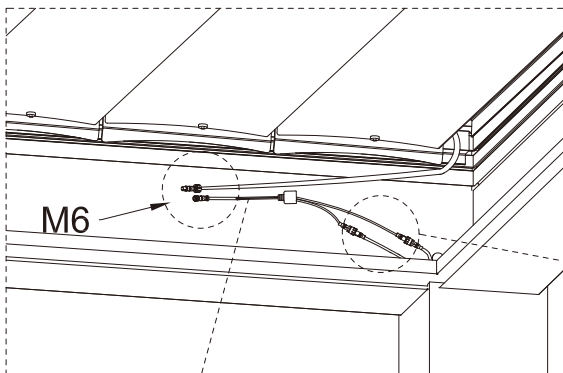


REPEAT THE SAME STEP FOR ALL FOUR POST TOPS.

M6

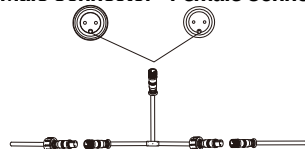


x1

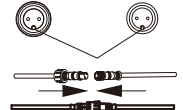


NOTE: UPON ALL CONNECTORS ARE FULLY-COUPLED, TURN ON THE POWER, PRESS THE LIGHT BOTTON ON THE REMOTE CONTROL TO TEST IF THE LIGHTING IS ON AND OFF NORMALLY.

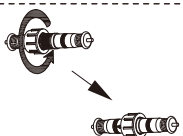
Male Connector Female Connector



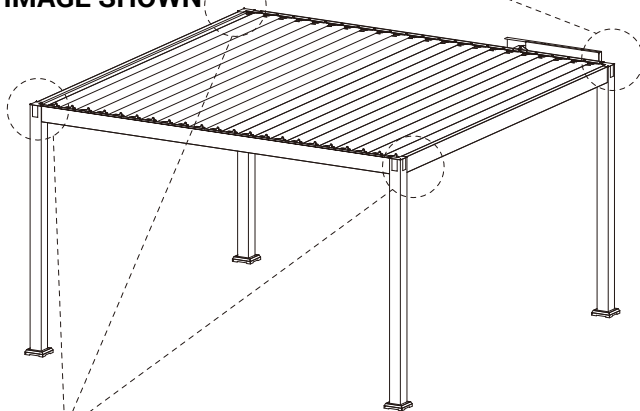
Male Connector Female Connector



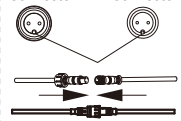
**COUPLE TWO CONNECTORS AS THE LEFT IMAGE SHOWN**



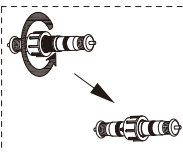
**TIGHTEN UP CONNECTOR COVERS**



Male Connector Female Connector



**COUPLE TWO CONNECTORS AS THE LEFT IMAGE SHOWN**



**TIGHTEN UP CONNECTOR COVERS**

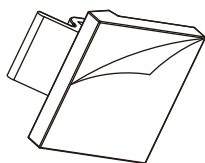
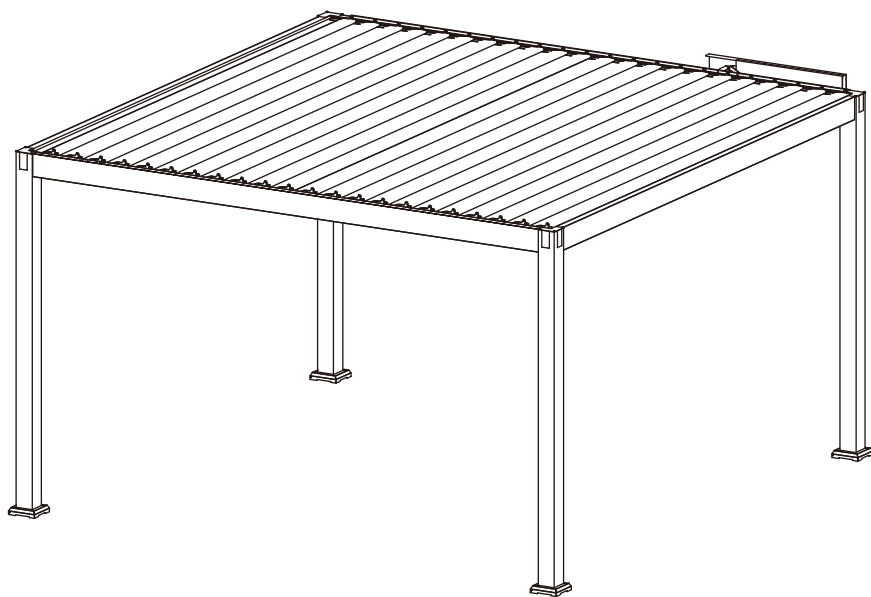


# 12

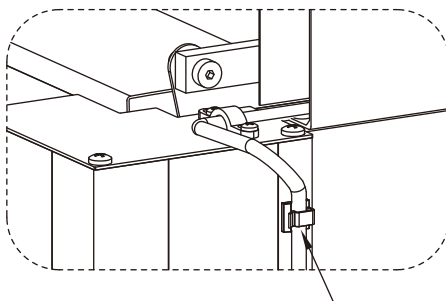
S11



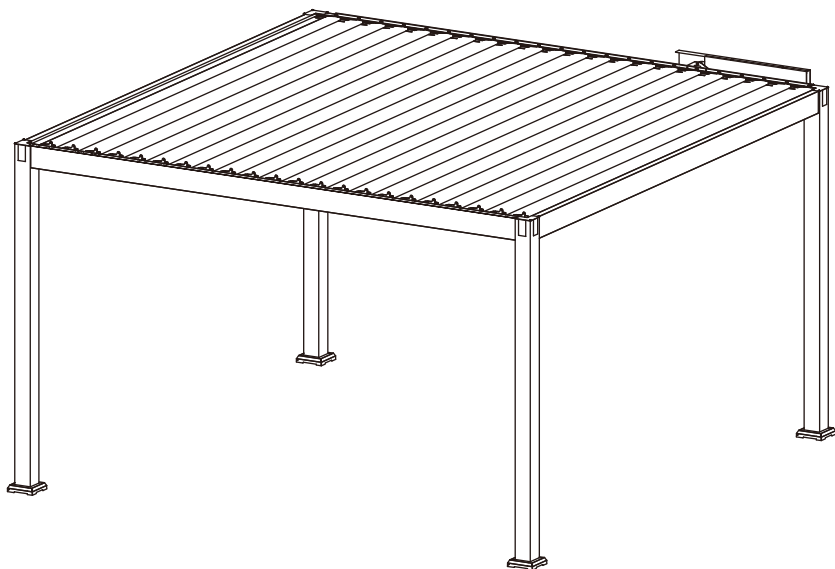
x5



Remove the back film and stick it on the post as the right image



S11

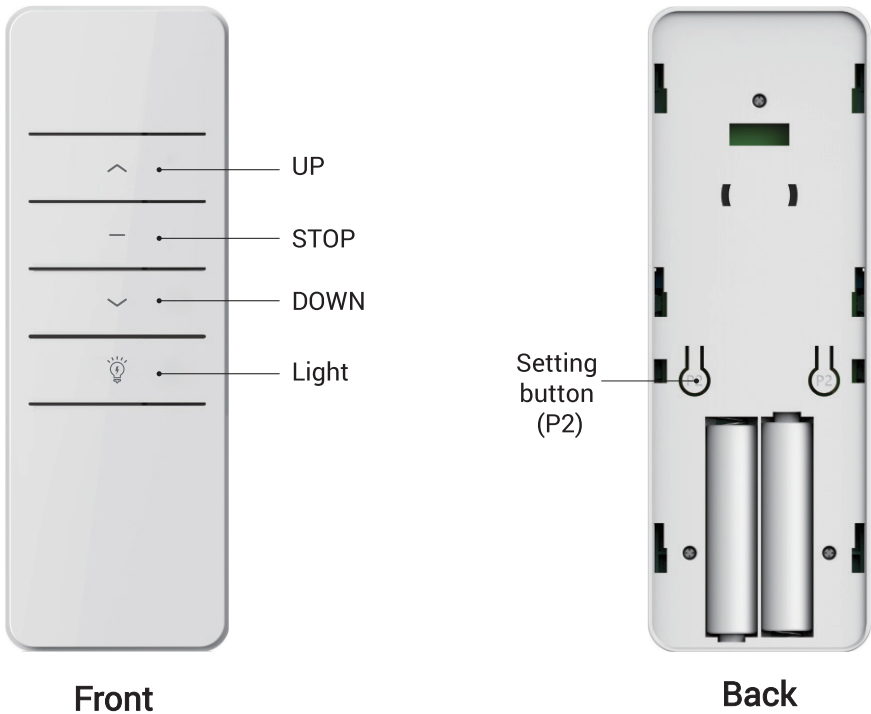


**ASSEMBLY COMPLETE**  
**CONGRATULATIONS!**



**CHECK ALL THE FITTINGS ARE TIGHTENED SECURELY.**  
**CHECK AND TEST THE OPERATION OF THE LOUVER MECHANISM.**

# INSTRUCTION OF BUTTONS



## TECHNICAL SPECIFICATION

Battery: 1.5V AAA, 2PCS, Alkaline zinc-manganese dioxide batteries

Working Temperature: -5°C~50°C

Static Current: ≤5uA

Radio Frequency: 433.05-434.79MHz

Battery Life: >2 years

Transmitting Power: 10mW

Emission Current: ≤20mA

## WARNING

- ⚠ This emitter should not be exposed to moisture or be struck heavily, otherwise the emitter will be malfunctioned and its life will be affected.
- ⚠ If the emitter is not so sensitive or the radio range becomes shorter, pls check whether to change the battery.
- ⚠ If you press any button more than 10S, the emitter will stop sending radio signals.
- ⚠ It's forbidden to use different type battery to avoid any dangerous risk.
- ⚠ Please dispose of used batteries properly.

If you have any question, please send us an email to [support@eaglepatio.com](mailto:support@eaglepatio.com)

# ADAPTER SPECIFICATION & FCC CERTIFICATION

Power Adapter: DC8513BA  
Input: 100-240VAC 50/60Hz  
Output: 24V DC 80W  
Radio Frequency: 433.05-434.79MHz

## **WARNING**

**To Reduce The Risk Of Fire Or Electric Shock,  
Do Not Open This Power Adapter.  
Repair Should Be Done By Authorized Service Personnel Only.  
Caution: Disconnect Power Before Servicing.**

## **FCC ID: 2BPAM-20251818**

Federal Communications Commission (FCC) compliance statement:

1.This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2.Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Maximum Permissible Exposure (MPE) Requirements

[note: applied for device with distance > 20cm from the end-user]

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended.

## **MAINTENANCE & CARE**

- ⚠ Immediately after installation, clean all EaglePatio powder-coated surfaces with a solution of warm water and a non-abrasive, pH-neutral detergent. Thoroughly rinse all surfaces to remove any residue, using a soft cloth or sponge for best results.
- ⚠ Remove construction materials (e.g., concrete, plaster, and paint splashes) promptly —before they dry—as they can damage powder-coated finishes.
- ⚠ Do not allow metal shavings or chips to fall into pools, hot tubs, or any body of water while assembling . This can cause staining.
- ⚠ Clean regularly. Frequency depends on both the appearance standard you desire and the need to remove deposits that may damage the coating over time. EaglePatio recommends cleaning every 3 to 4 months.
- ⚠ Debris can collect in gutters. Clean the Pergola gutters regularly to ensure proper rain water drainage through the Pergola system.
- ⚠ Never place items on top of the louvers.
- ⚠ During heavy winds or snowfall, open the louvers to the vertical position to prevent damage.
- ⚠ Do not operate the roof mechanism during icy or frosty conditions.
- ⚠ Conduct seasonal inspections to keep the Pergola in optimal working condition. Check that:
  - The Pergola is securely fixed to the ground.
  - The louver mechanism operates normally.
  - Electrical features (if any) are functional and safe.
- ⚠ Retain this instruction manual for future reference.
- ⚠ If you require service or maintenance for your EaglePatio product, please contact [support@eaglepatio.com](mailto:support@eaglepatio.com)

**MAINTENANCE LOG**

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DATE	DESCRIPTION	OTHER

## WARRANTY

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We regret to inform you that warranty claims cannot be accepted without valid proof of purchase.

Warranties are valid from the date of delivery and apply only to the original purchaser.

To help us process your claim efficiently, please ensure that all warranty terms have been followed.

Full warranty terms are available at:  
<https://www.eaglepatio.com/pages/warranty>

This warranty applies only to residential use within the United States. It does not cover:

- Commercial use
- Misuse or improper handling
- Accidental damage
- Normal wear and tear

We reserve the right to repair or replace parts at our discretion rather than replacing the complete unit.

## DISASSEMBLY

The serious injury and product damage could be caused by incorrect disassembly of this Pergola. For the product disassembly, it should be assigned to the qualified personnel with the full-time training on the occupational health and safety and the product knowledge.

MADE IN CHINA



**WARNING:** This product can expose you to chemicals including DEHP, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov/furniture](http://www.P65Warnings.ca.gov/furniture).

# Spaces for What Matters



[www.eaglepatio.com](http://www.eaglepatio.com) | Email: [support@eaglepatio.com](mailto:support@eaglepatio.com)