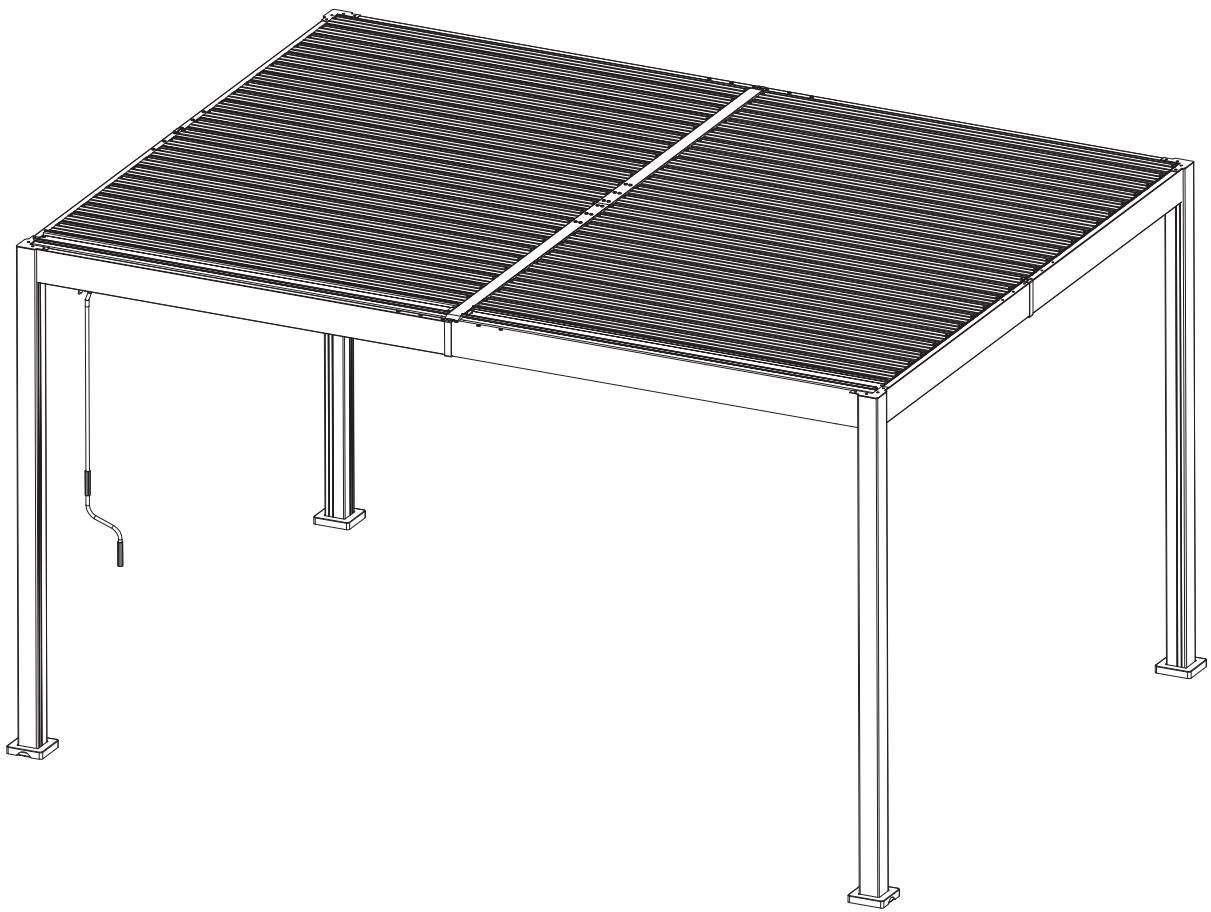


# INSTALLATION INSTRUCTIONS

## 10x12 ft Pergolas



**Our team is available 24/7 to help with any product questions. Contact us anytime!**

# Warning

- Please read and understand this manual carefully before assembly. Before starting to assemble the product, please ensure that all parts are present. Please check the parts against the packing list. If you find any missing parts, please contact us.
- Any assembly or maintenance work on this product must be performed by adults. We recommend that at least two adults be involved.
- Please check your state and local regulations before purchasing. Some areas may require a permit for the installation and use of this product. There may be specific procedures in your area.
- Please install the Pergola on a flat surface. Ground stakes are included with the product to secure the Pergola to the ground.
- Do not assemble the Pergola on sandy, muddy, or loose soil, as the ground stakes will not provide sufficient anchoring in these types of soil.
- If you wish to secure the Pergola to a wooden deck or concrete surface, please use anchor bolts suitable for these surfaces.
- Some parts may contain sharp edges. Protective gloves are recommended.
- Keep children and pets away while assembling the Pergola.
- Regularly check all nuts and bolts to ensure they are tightened.
- Before starting assembly, carefully read each step and ensure you understand each step.
- Please refer to the diagrams. Place all parts from the box in a clean area and lay them flat on the floor in front of you.
- Remove all packaging materials and place them back in the box. Do not discard the packaging materials until assembly is complete.

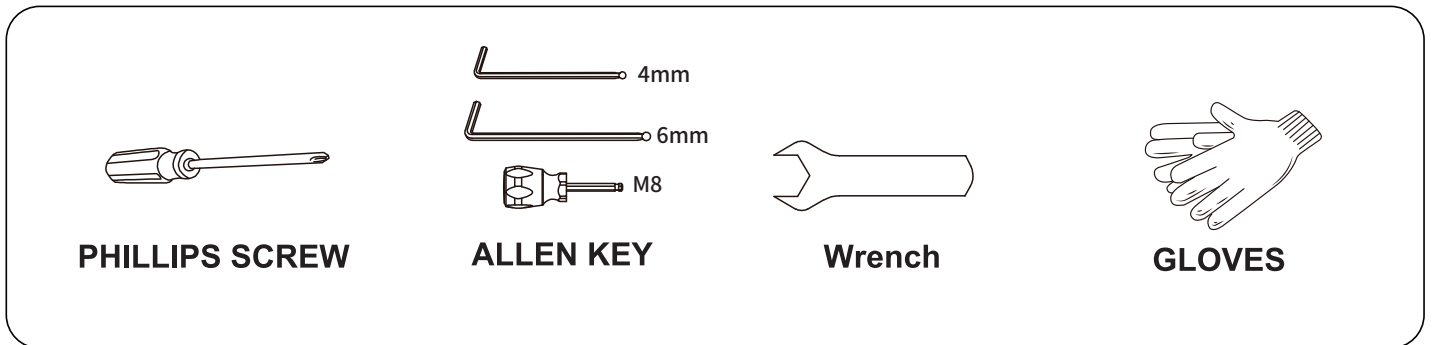
# Maintenance

- Snow must be removed regularly during snowy weather. Remove snow when the snow accumulation on the roof exceeds 2 inches (5 cm). To avoid damage, use a plastic snow rake to remove excess snow and ice from the roof, and be careful to stay clear of falling debris.
- This Pergola is for decorative and shading purposes only and is not designed to withstand severe weather conditions, including strong winds, heavy rain, and heavy snow.
- The steel components of this Pergola are coated with rust-resistant paint. However, due to the inherent properties of steel, oxidation (rusting) may still occur on the surface if the protective coating is scratched. This is not a product defect and is therefore not covered under warranty.
- To minimize this occurrence, it is recommended to handle the product carefully during assembly and handling to avoid scratching the paint. If any scratches or damage occur, it is recommended to immediately repair the scratches with rust-resistant paint (not included).
- Do not use bleach, acid, or other abrasive cleaners on the roof or frame components.
- Please keep these instructions for future reference.

# Pre-assembly

## TOOLS THAT MAY BE REQUIRED (included in boxes)

**\*NOTE: Tools /equipment are not shown to actual size and scale.**



## EQUIPMENT REQUIRED (Not included in boxes)

**\*NOTE: Equipment are not shown to actual size and scale.**



## Matters needing attention



1. Two or more people are required for assembly.



2. Do not fully tighten screws prior to complete assembly.



3. Use a spirit level. Before proceeding, check that the device or component is perfectly level.



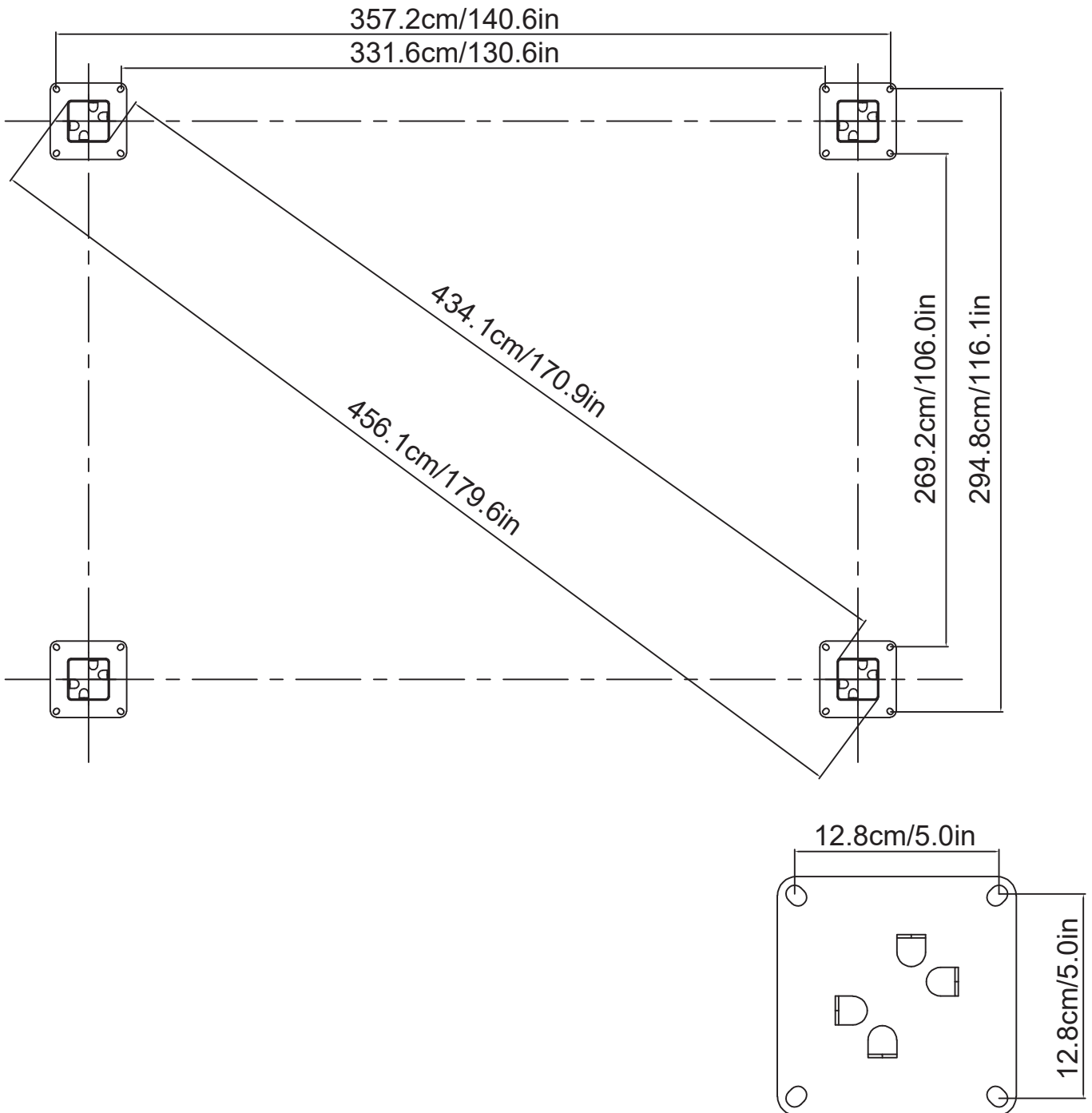
4. Use a square to check: Before tightening the bolts, check that the assembly is square.



5. Do not overtighten the mounting bolts. Overtightening can cause the wood to crack, splinter, and result in other structural damage.

# INSTALLATION BLUEPRINT

## 10'x12'

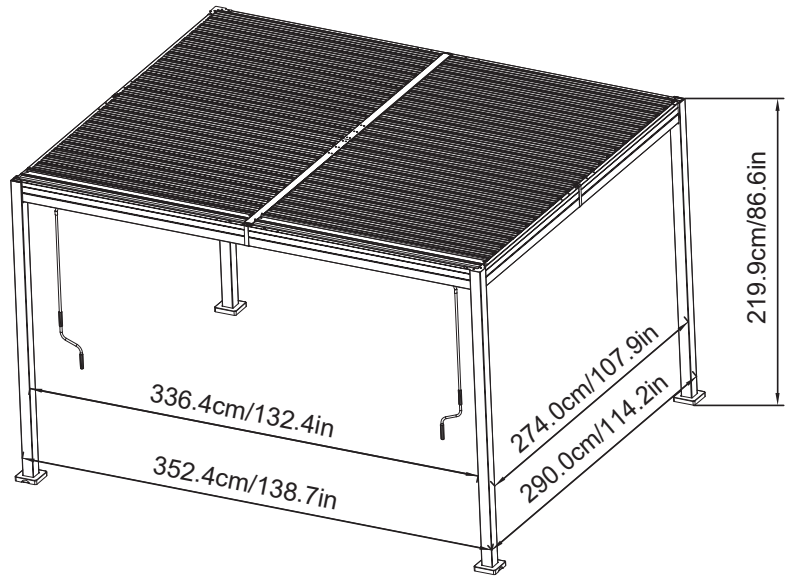
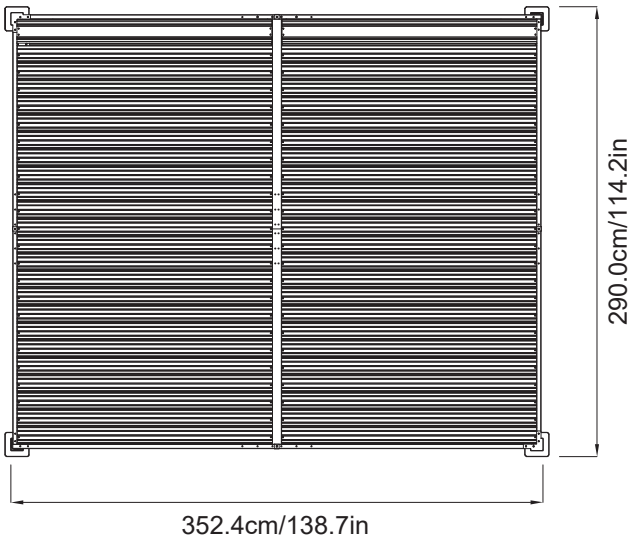
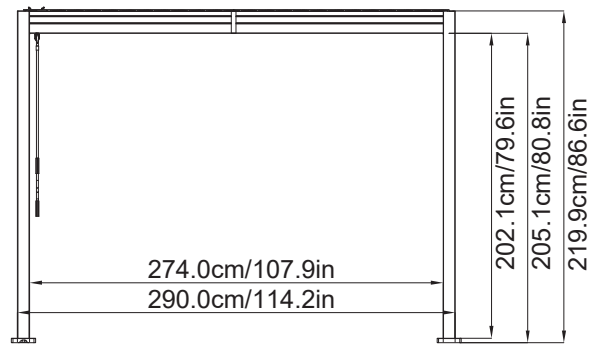
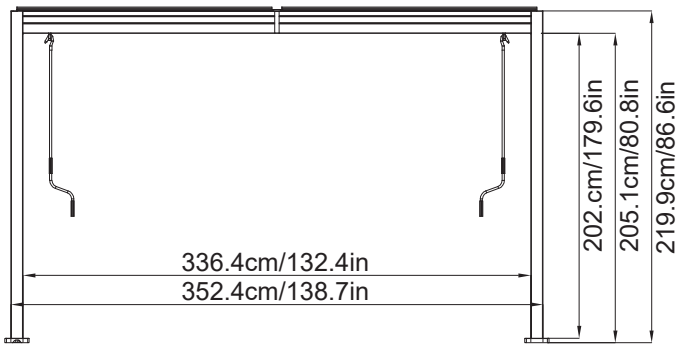


The width dimension error is restricted to 3MM.

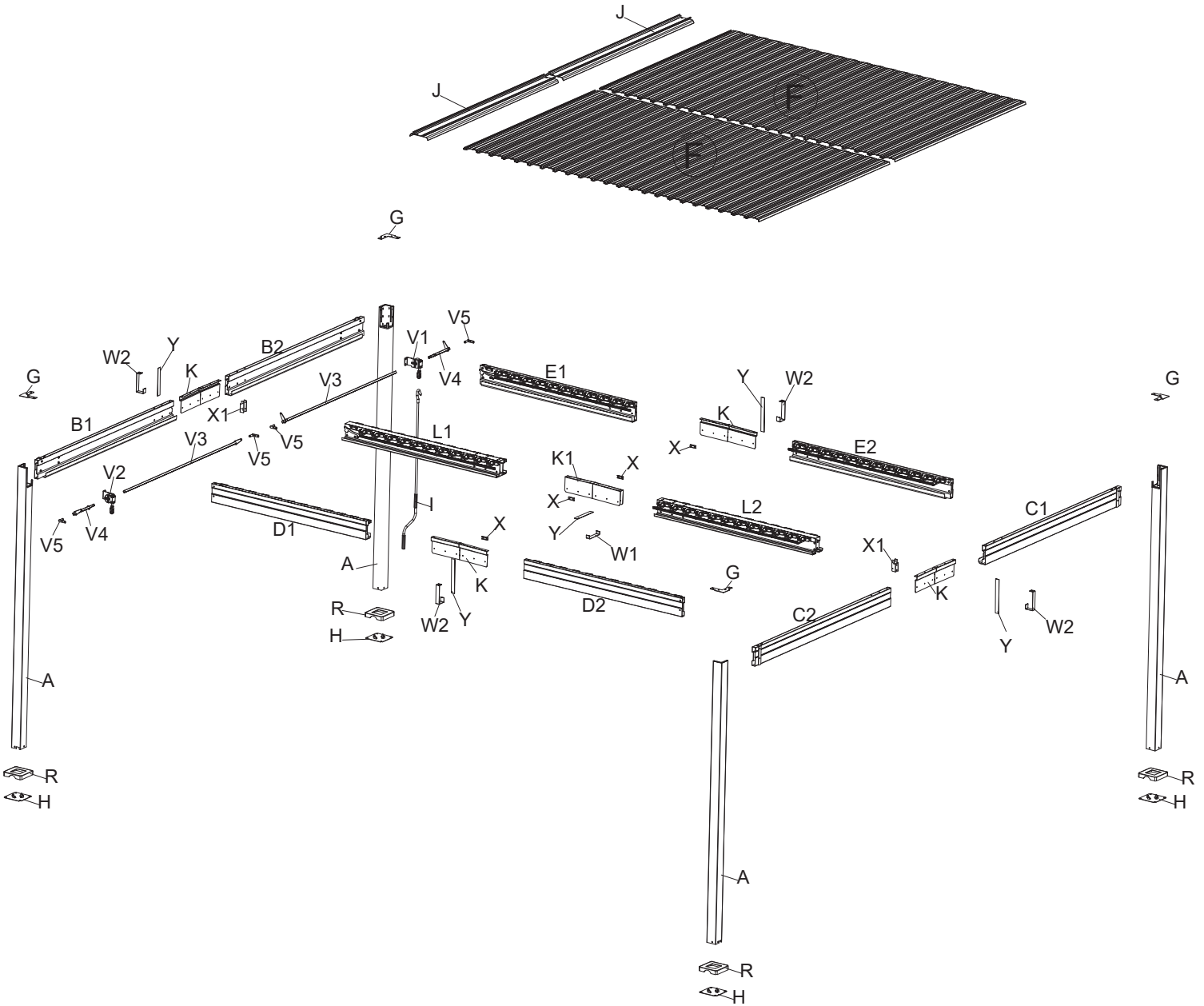
Diagonal line error should be limited to 5MM

# PRODUCT DIMENSIONS

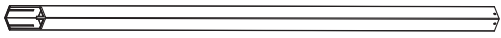
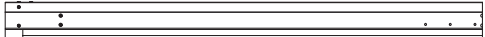

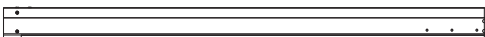






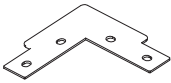
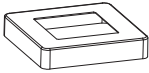
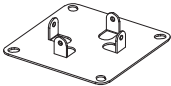
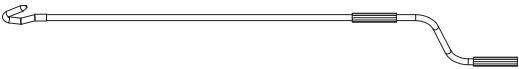

## 10'x12'



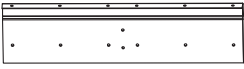
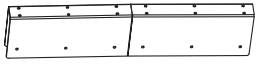





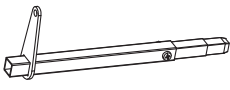
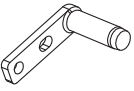

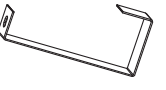
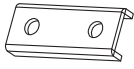
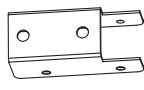
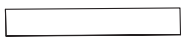
# EXPLODED DRAWING



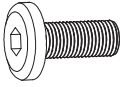
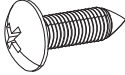

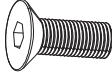


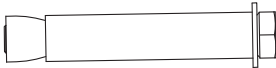
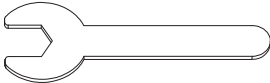


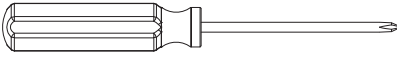
# Part Lists

Part Number	Part Image	Description	QTY
A		column	4
B1		crossbeam	1
B2		crossbeam	1
C1		crossbeam	1
C2		crossbeam	1
D1		crossbeam	1
D2		crossbeam	1
E1		crossbeam	1
E2		crossbeam	1
F		blinds	46
G		column top cover	4
R		foot plate cover	4
H		chassis	4
I		rocker arm	1
J		blinds	2

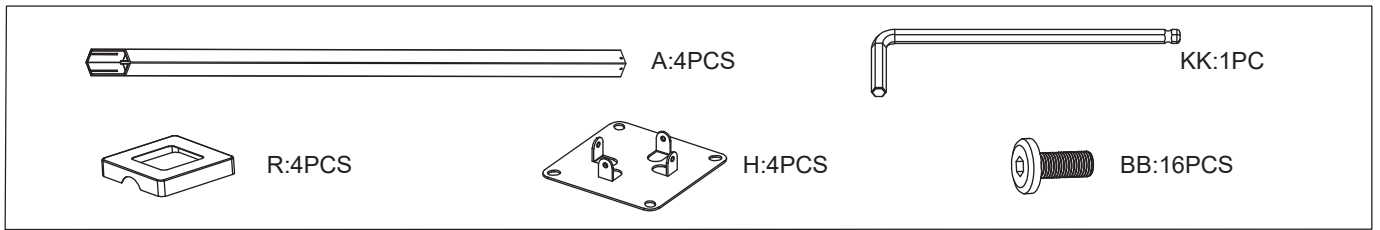
# Part Lists

Part Number	Part Image	Description	QTY
K		liner	4
K1		liner	1
L1		crossbeam	1
L2		crossbeam	1
V1		gearbox	1
V2		gearbox	1
V3		rotating tube	2
V4		rotating tube	2
V5		rotating shaft	4
W1		Beam sheath	1
W2		Beam sheath	4
X		connector	4
X1		connector	2
Y		3M adhesive	5

# Hardware Pack

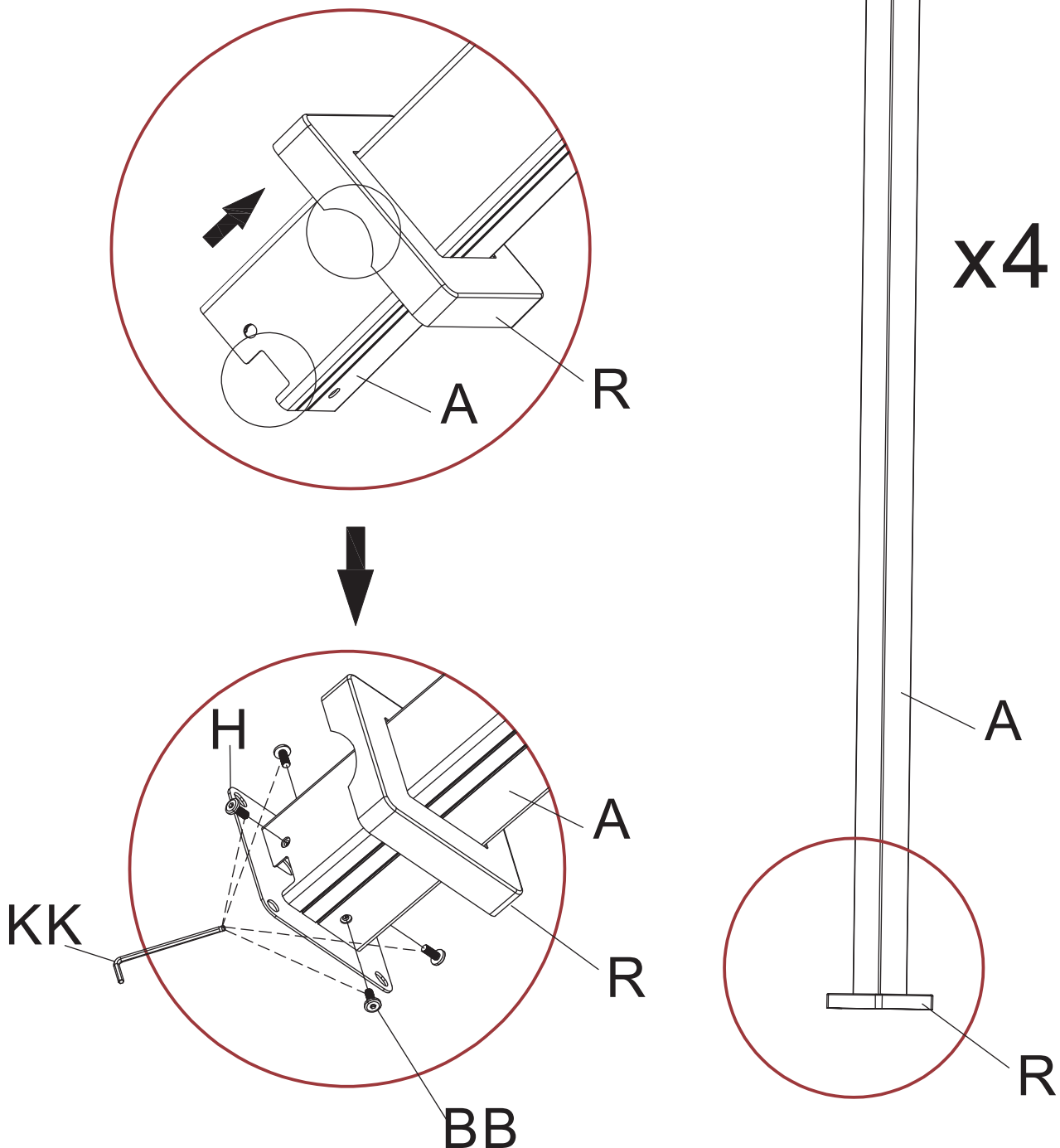
Part Number	Part Image	Description	QTY
<b>BB</b>	 M6x15	screw	<b>130</b>
<b>CC</b>	 ST4.8x16	screw	<b>97</b>
<b>DD</b>	 M6x8	screw	<b>16</b>
<b>EE</b>	 M6x15	screw	<b>12</b>
<b>FF</b>	 M6	nut	<b>4</b>
<b>GG</b>	 M6	washer	<b>4</b>
<b>II</b>		anchor bolt	<b>16</b>
<b>JJ</b>	 M6	wrench	<b>1</b>
<b>KK</b>	 4mm	Allen key	<b>1</b>
<b>LL</b>	 6mm	Allen key	<b>1</b>
<b>MM</b>		screwdriver	<b>1</b>

# STEP1:Install foot post

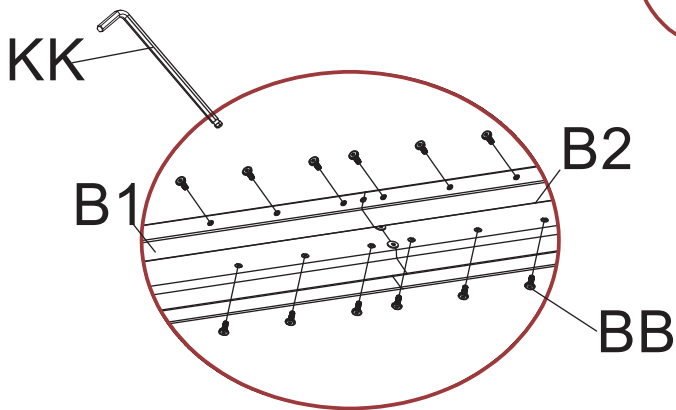
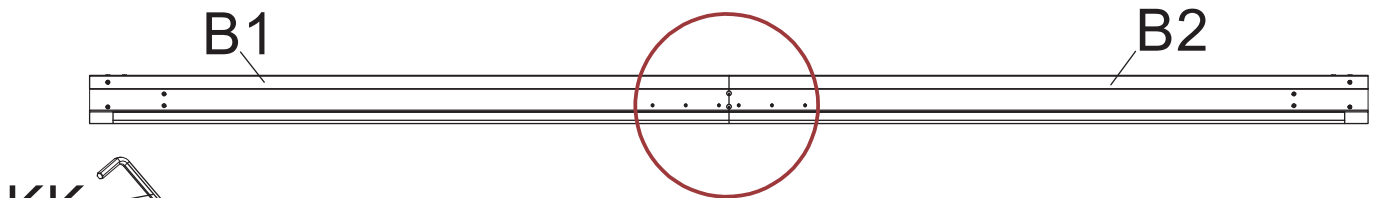
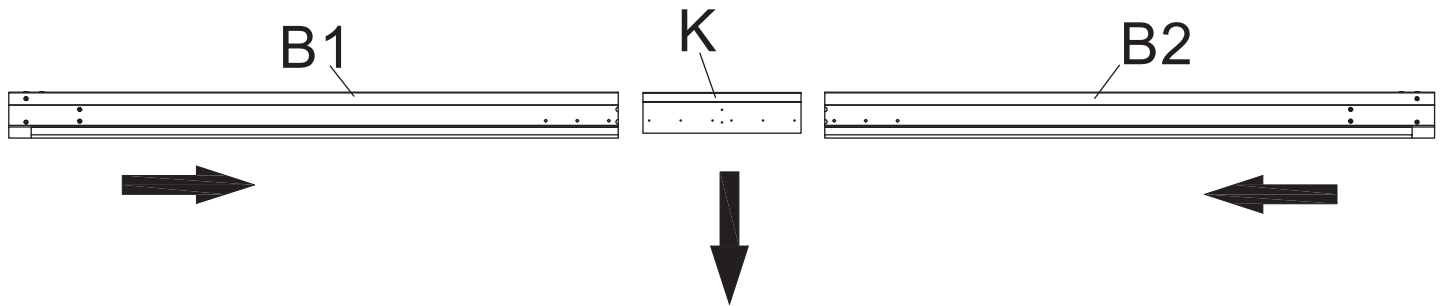
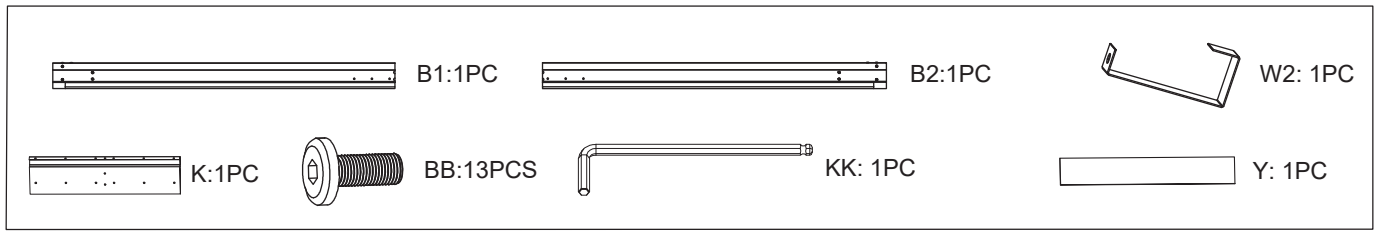


1. Fit foot ring R (4pcs) onto column A (4pcs), aligning the notches on both parts.

2. Place chassis H (4pcs) under column A (4pcs) and secure with screws BB (16pcs).

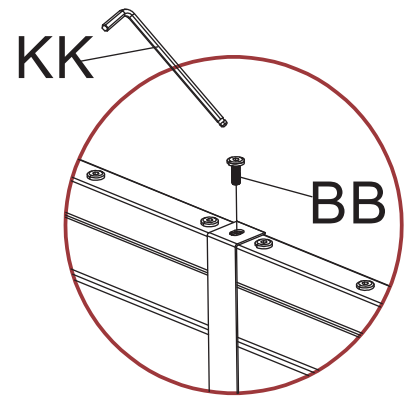
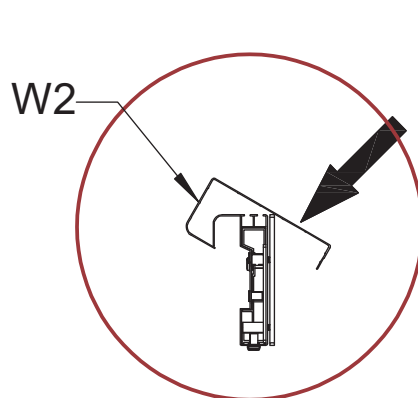
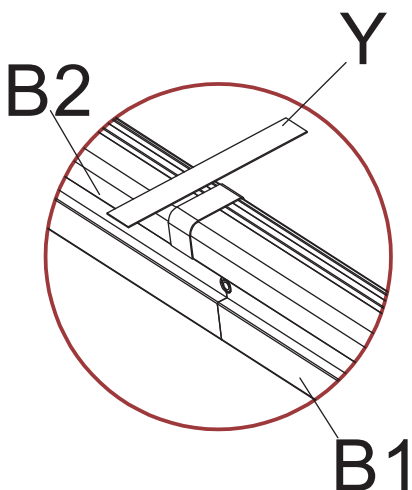
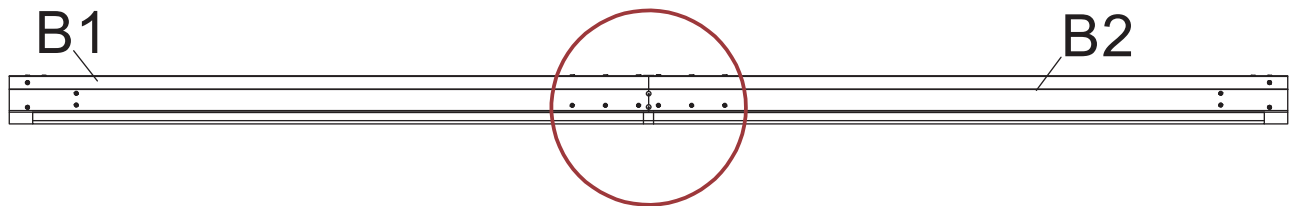


# STEP2:Install beam.

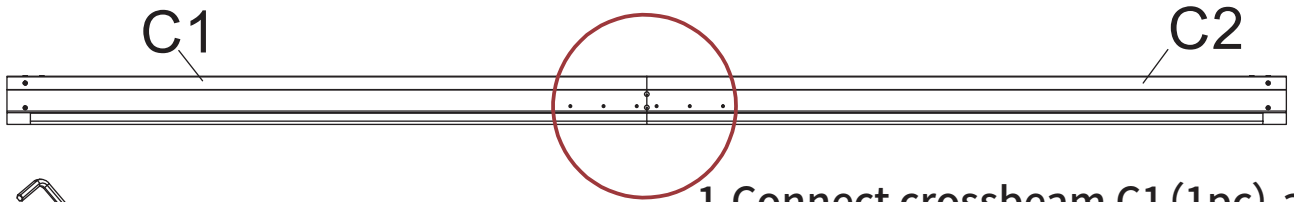
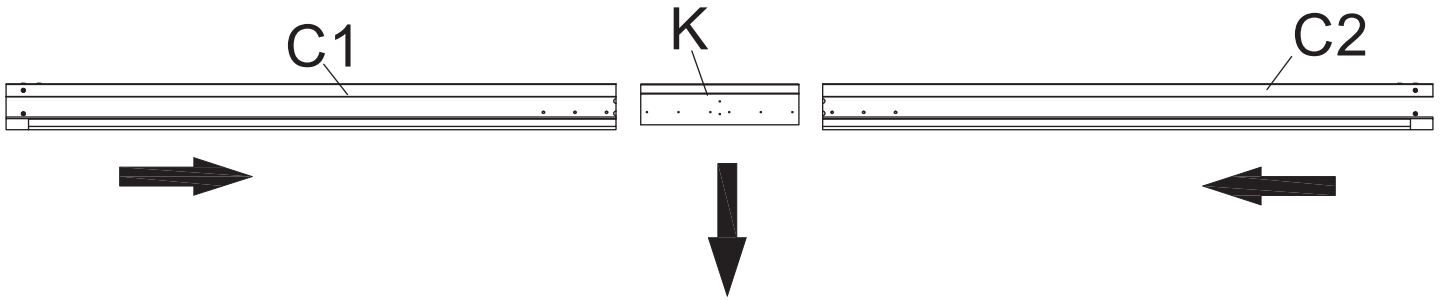
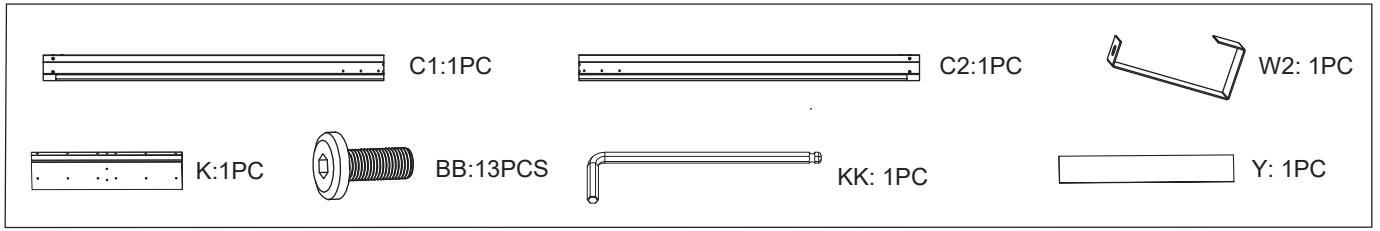


1. Connect crossbeam B1 (1pc) and crossbeam B2 (1pc) with screws BB (12pcs) using liner K.

2. Apply 3M tape Y to the outer seam, then install Beam sheath W2 (1pc) and secure with screws BB (1pc).

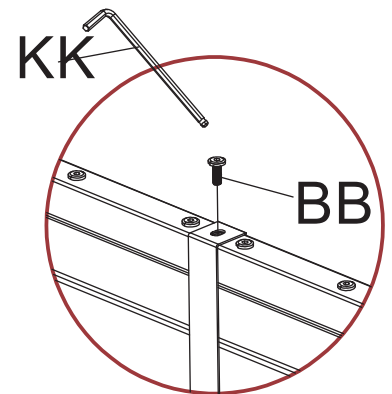
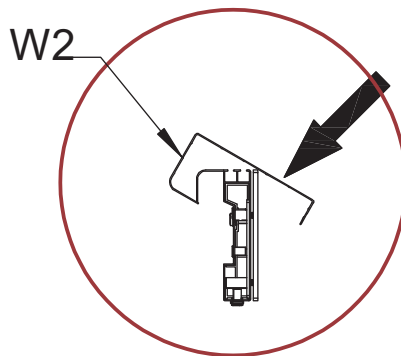
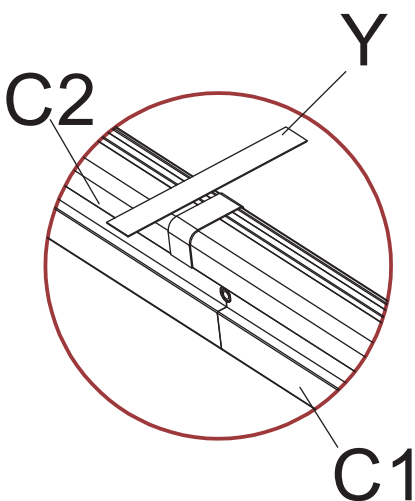
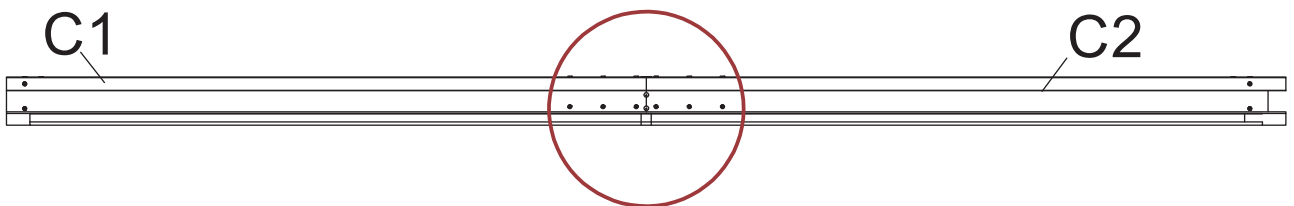
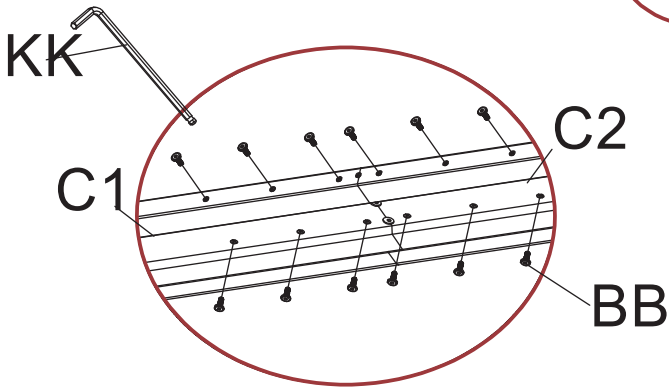


# STEP3:Install beam.

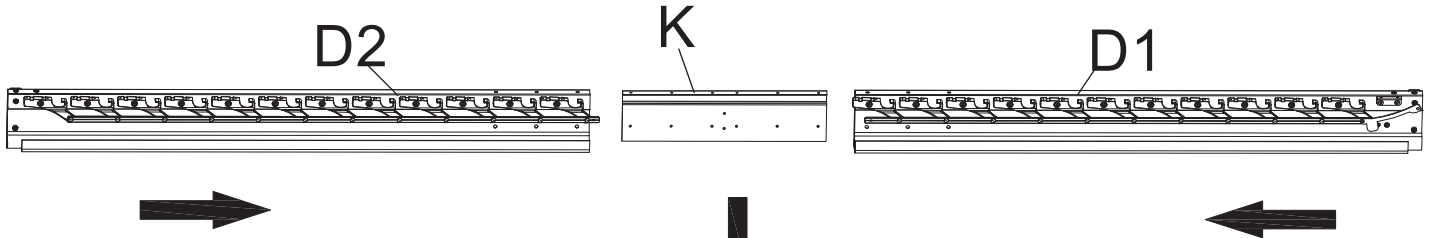
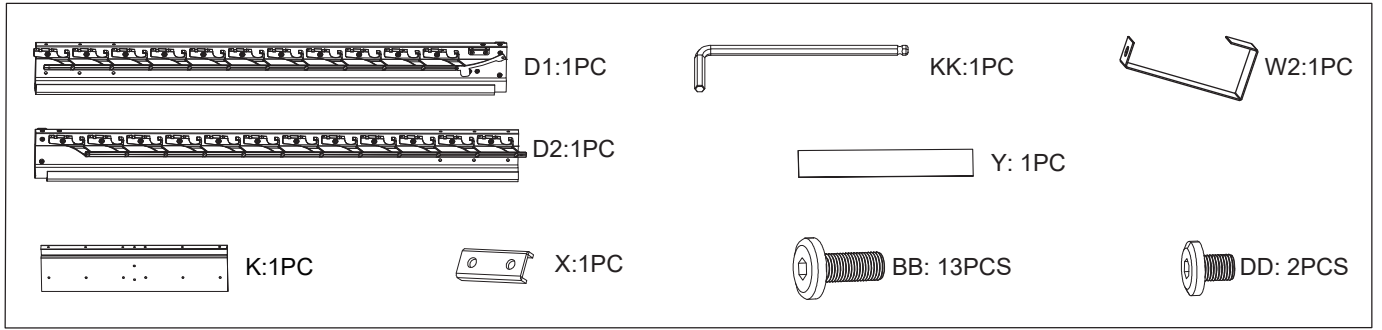


1. Connect crossbeam C1 (1pc) and crossbeam C2 (1pc) with inner liner K (1pc) using screws BB (12pcs).

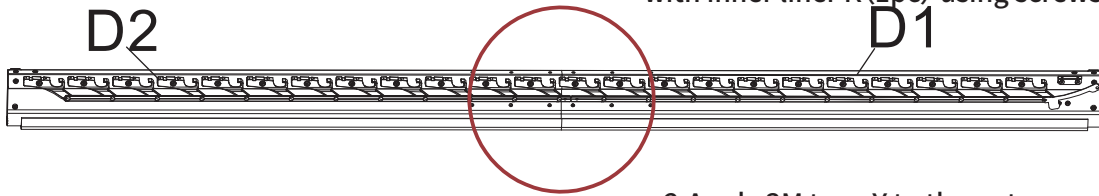
2. Apply 3M tape Y to the outer seam, then install cover W2 (1pc) and secure with screws BB (1pc).



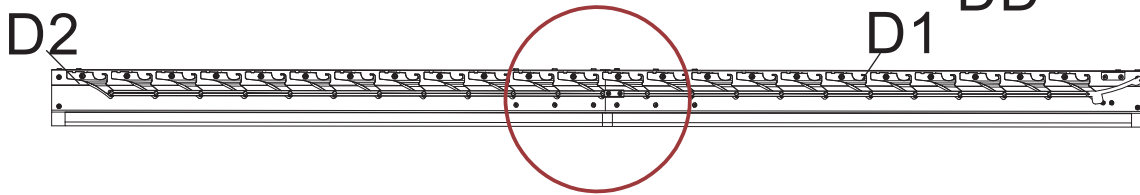
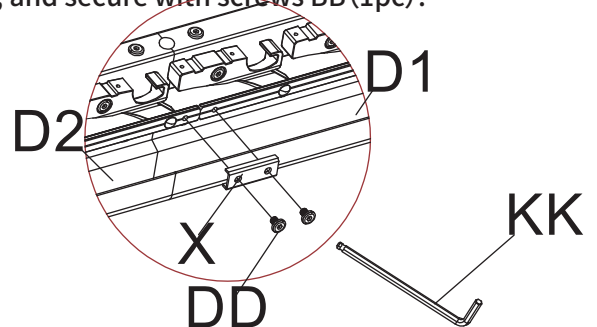
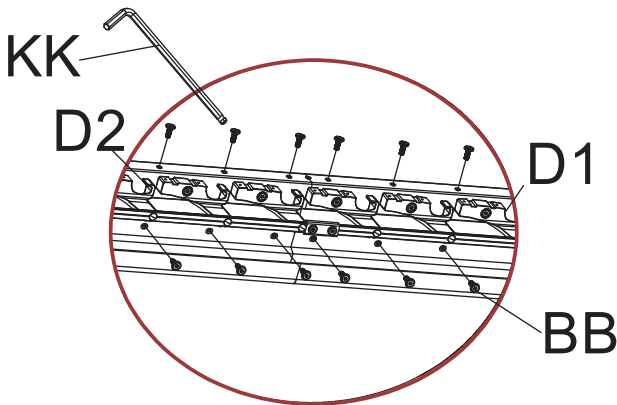
# STEP4: Install beam.



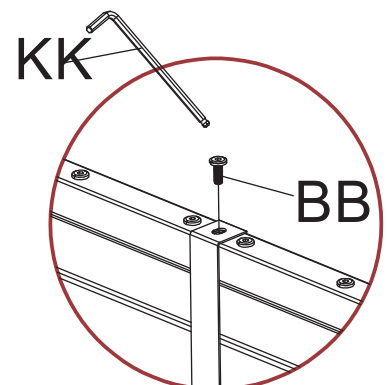
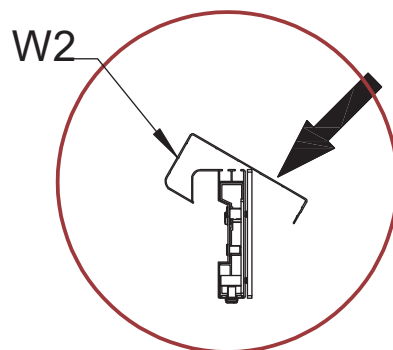
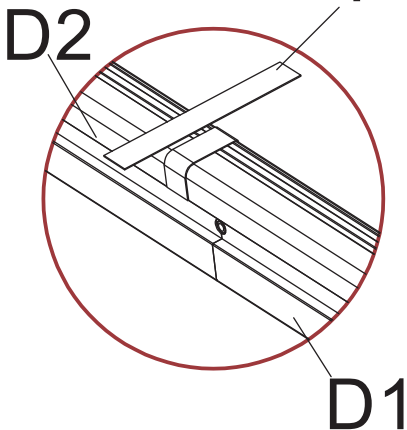
1. Connect crossbeam D1 (1pc) and crossbeam D2 (1pc) with inner liner K (1pc) using screws BB (12pc).



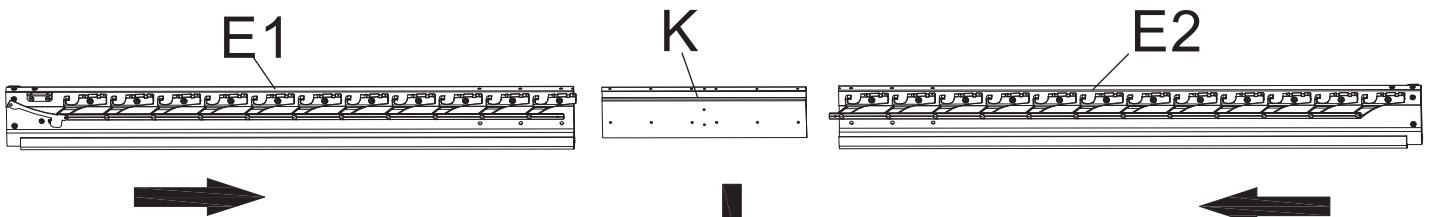
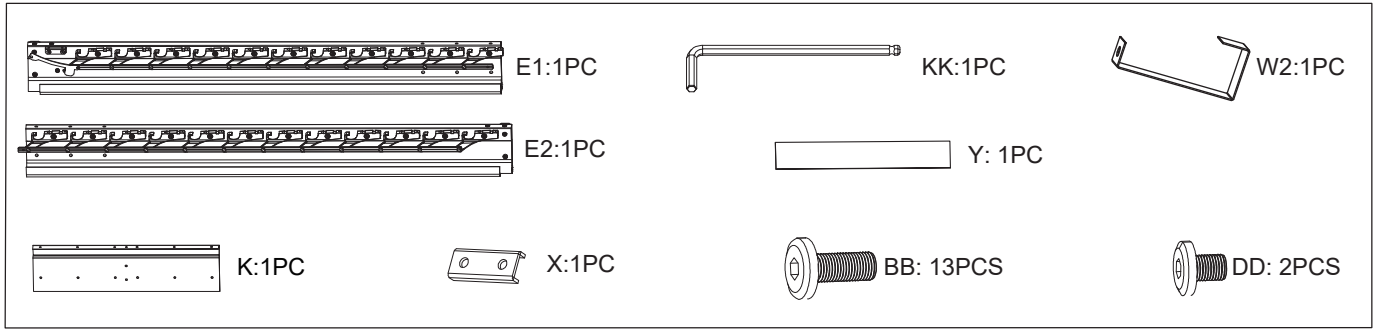
2. Apply 3M tape Y to the outer seam, install cover W2 (1pc), and secure with screws BB (1pc).



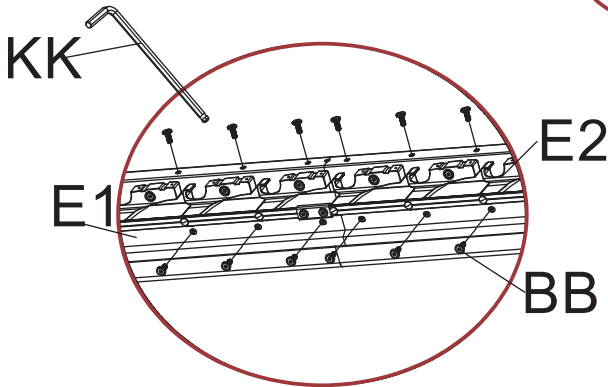
3. Connect both flat aluminum sections with connector X (1pc) and secure with screws DD (2pcs).



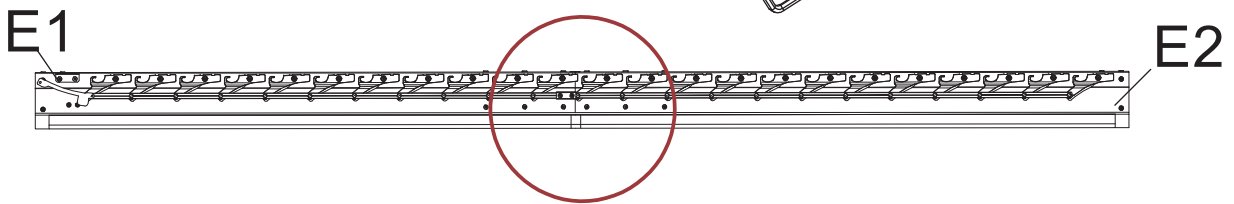
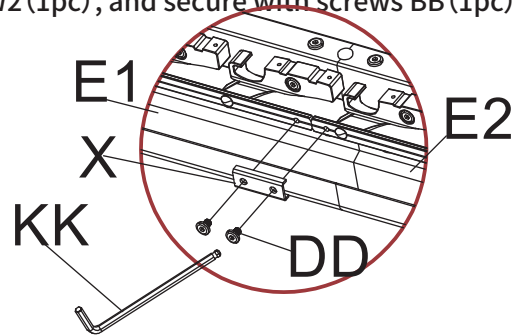
# STEP5: Install beam.



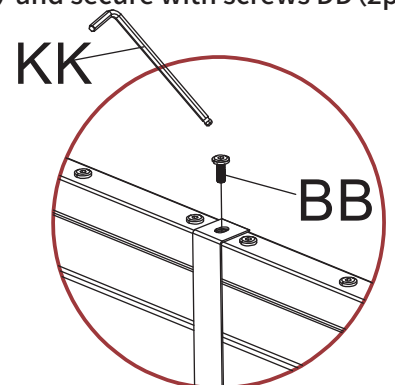
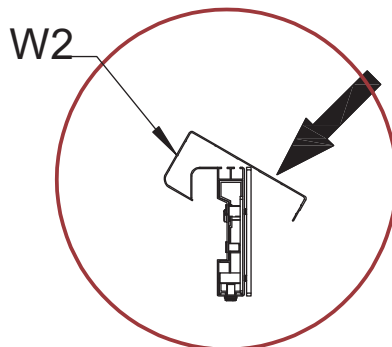
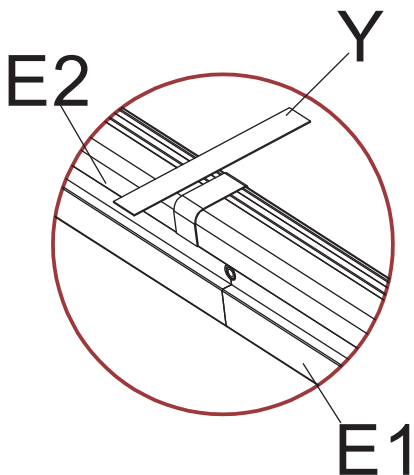
1. Connect crossbeam E1 (1pc) and crossbeam E2 (1pc) with inner liner K (1pc) using screws BB (12pc).



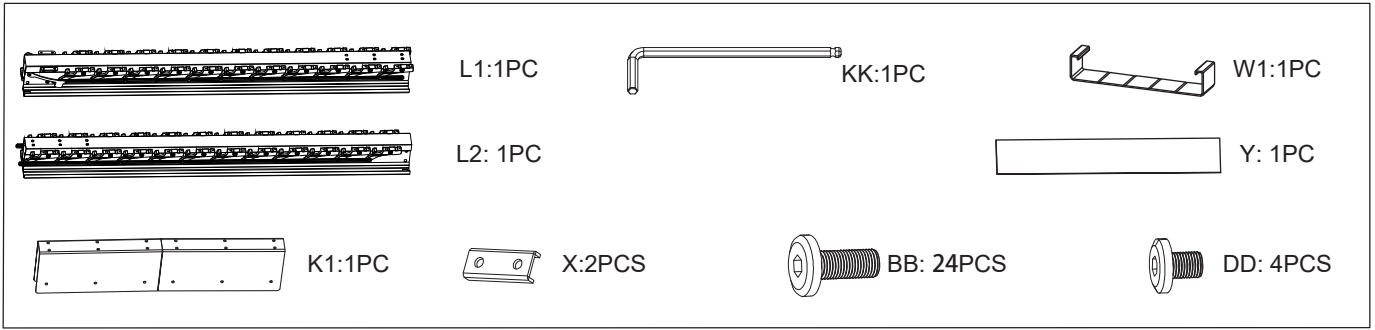
2. Apply 3M tape Y to the outer seam, install cover W2 (1pc), and secure with screws BB (1pc).



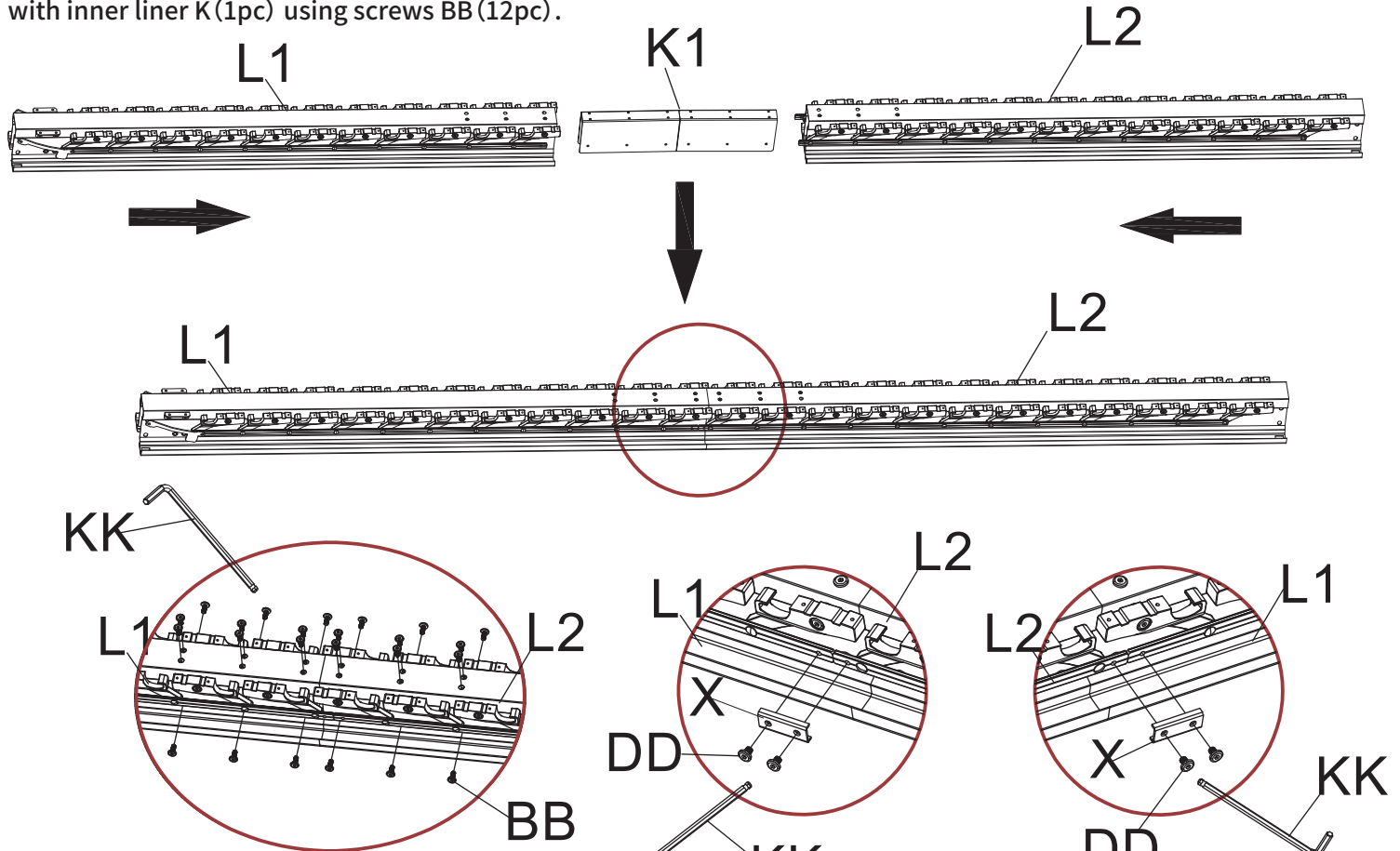
3. Connect both flat aluminum sections with connector X (1pc) and secure with screws DD (2pcs).



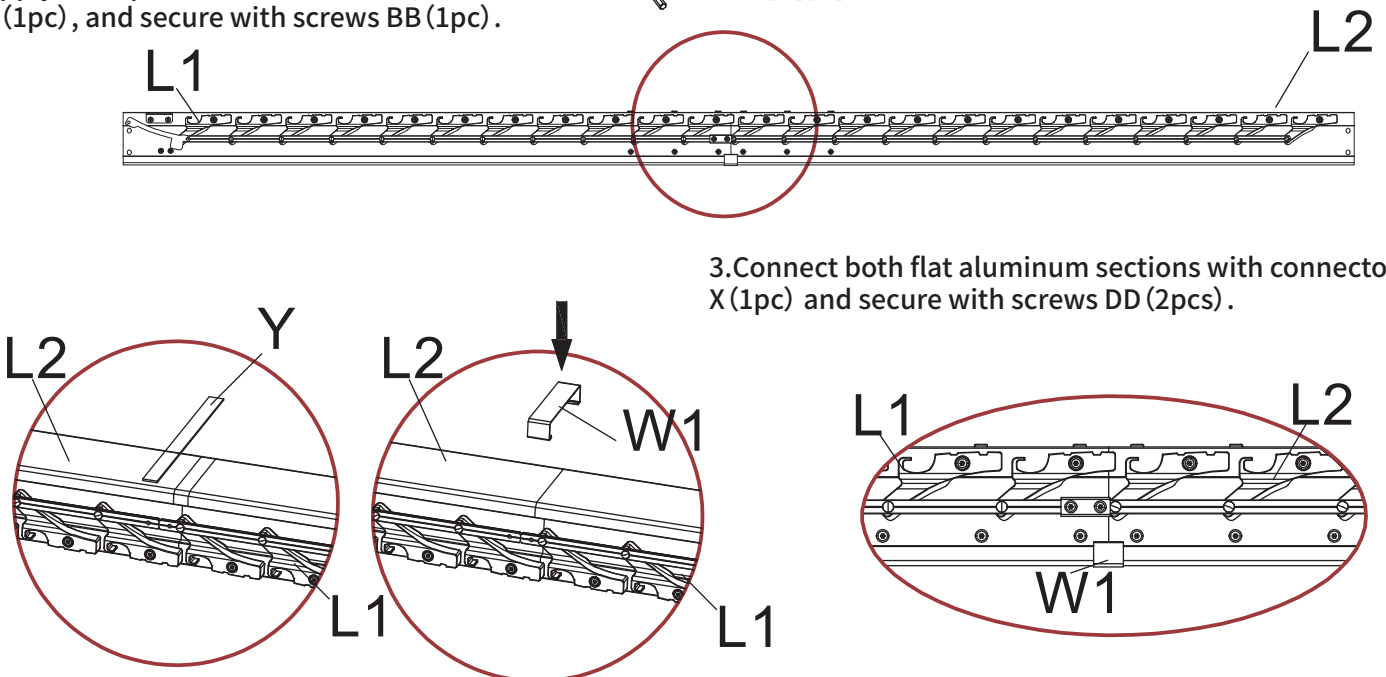
# STEP6: Install beam.



1. Connect crossbeam L1 (1pc) and crossbeam L2 (1pc) with inner liner K (1pc) using screws BB (12pc).

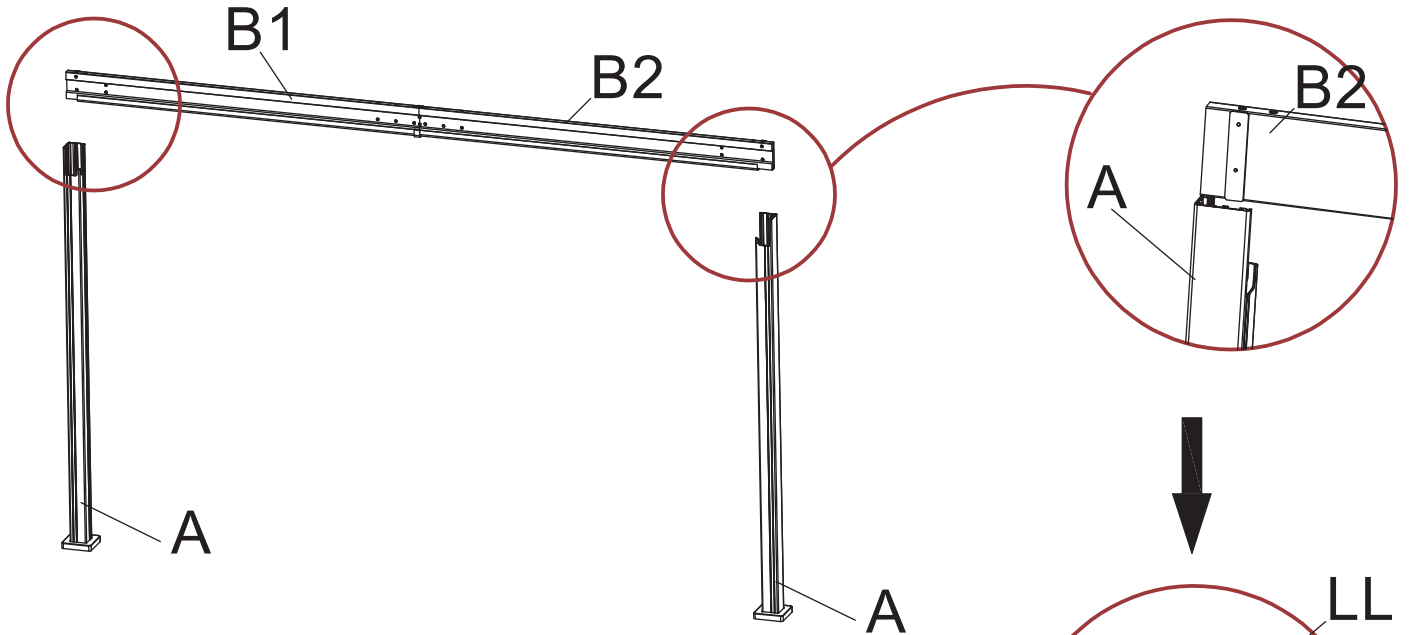
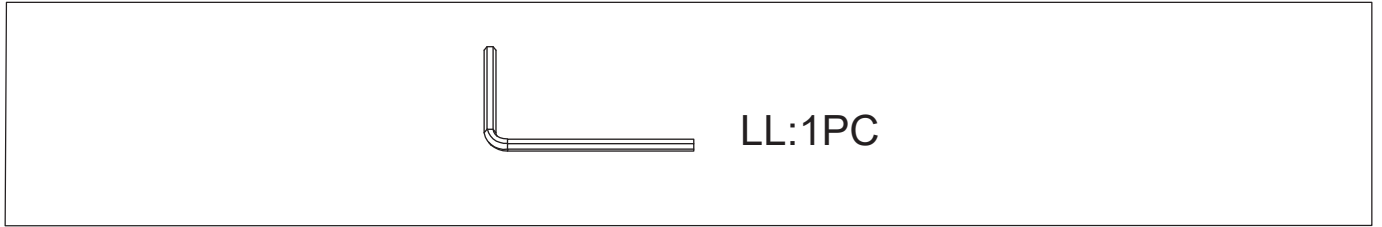


2. Apply 3M tape Y to the outer seam, install cover W2 (1pc), and secure with screws BB (1pc).



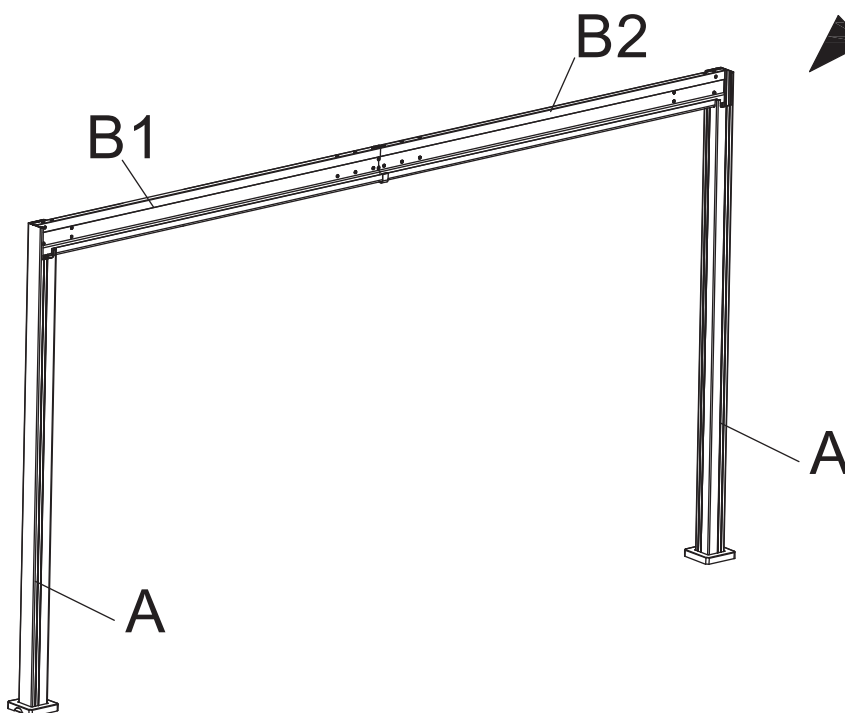
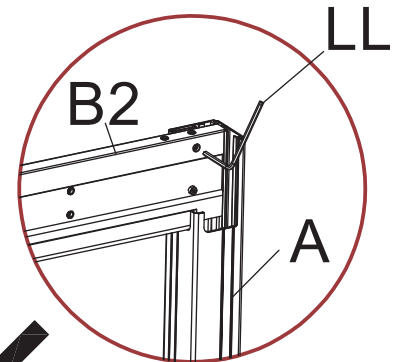
3. Connect both flat aluminum sections with connector X (1pc) and secure with screws DD (2pcs).

# STEP7:Install beam.

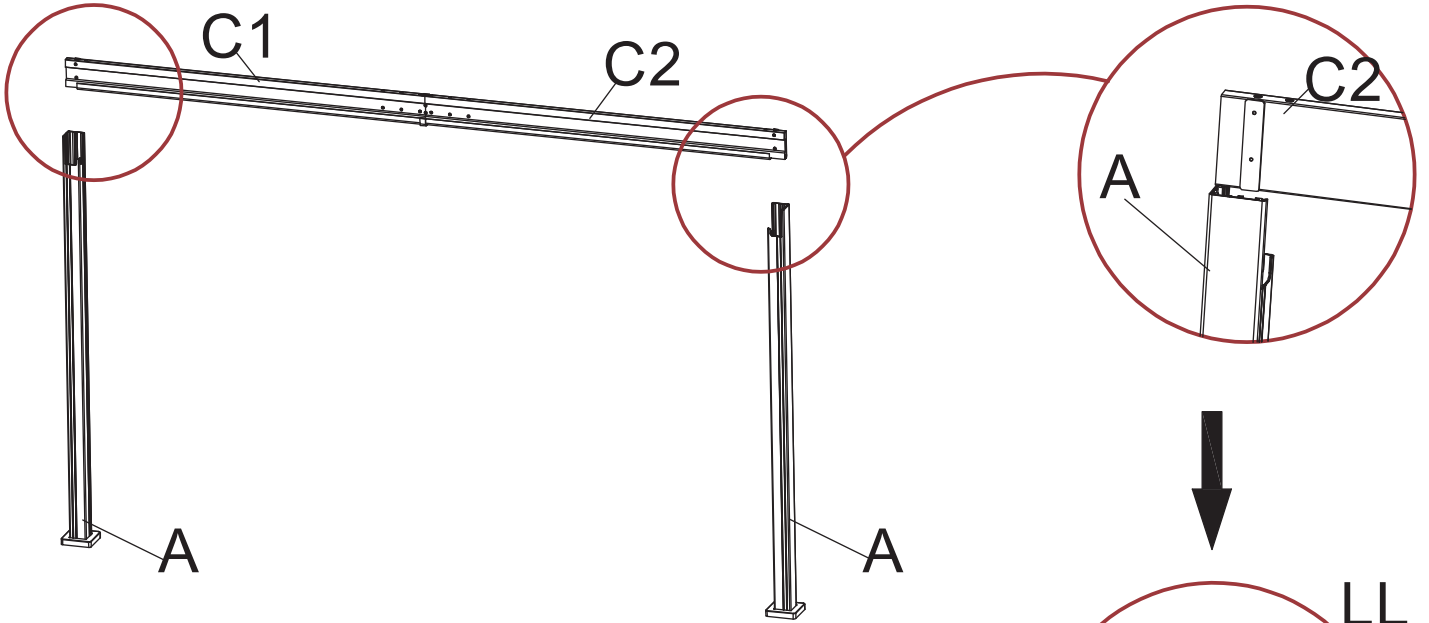
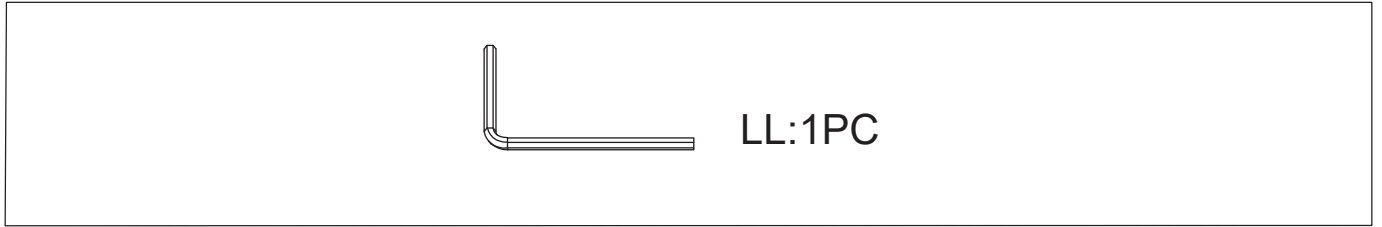


1.Insert assembled crossbeam B1/B2 into the column A slot from top to bottom.

2.Tighten the beam's high-strength screws with wrench LL (1pc).

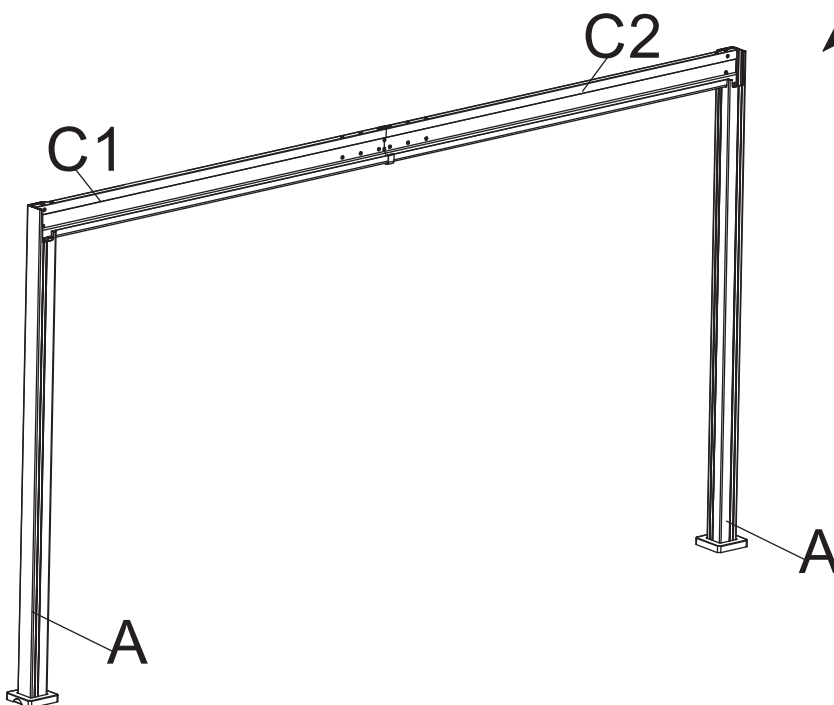
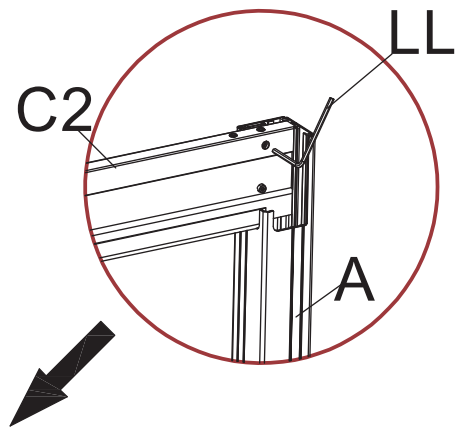


# STEP8:Install beam.

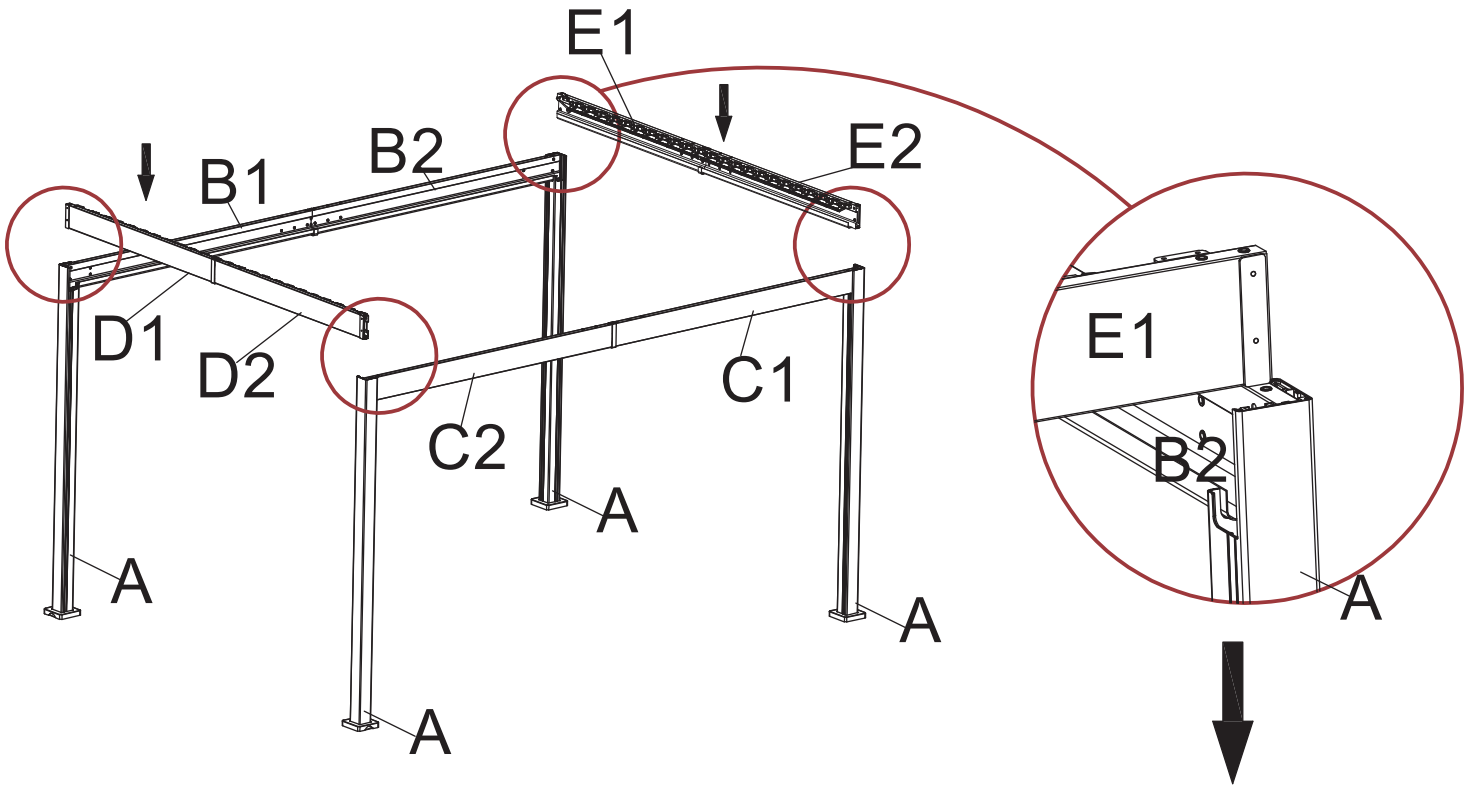
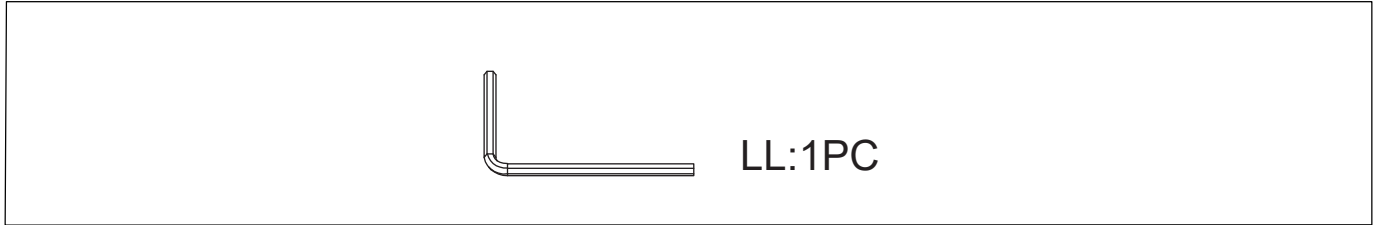


1.Insert assembled crossbeam C1/C2 into the column A slot from top to bottom.

2.Tighten the beam's high-strength screws with wrench LL (1pc).

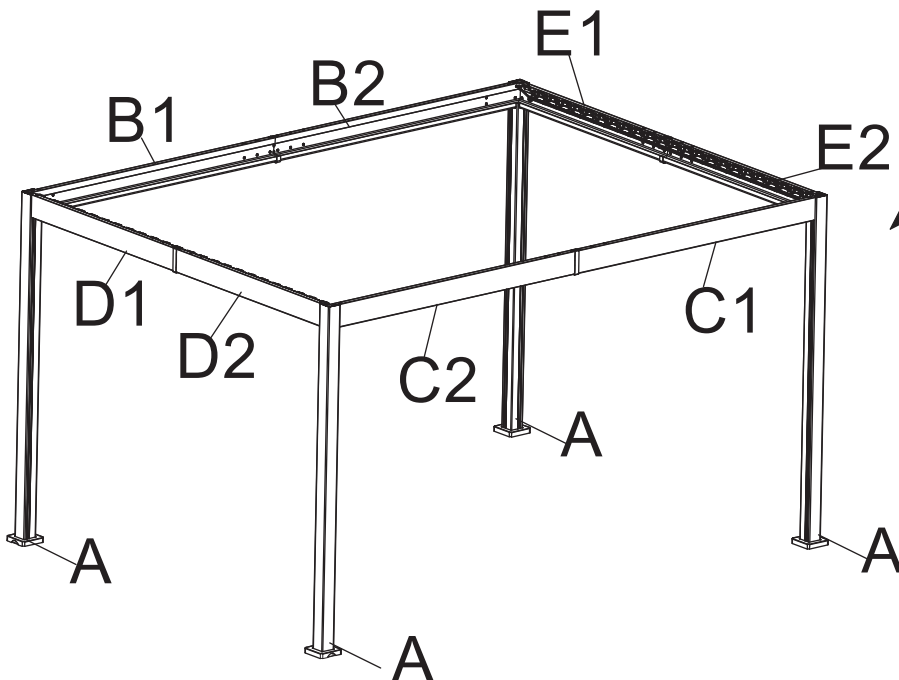


# STEP9:Install beam.

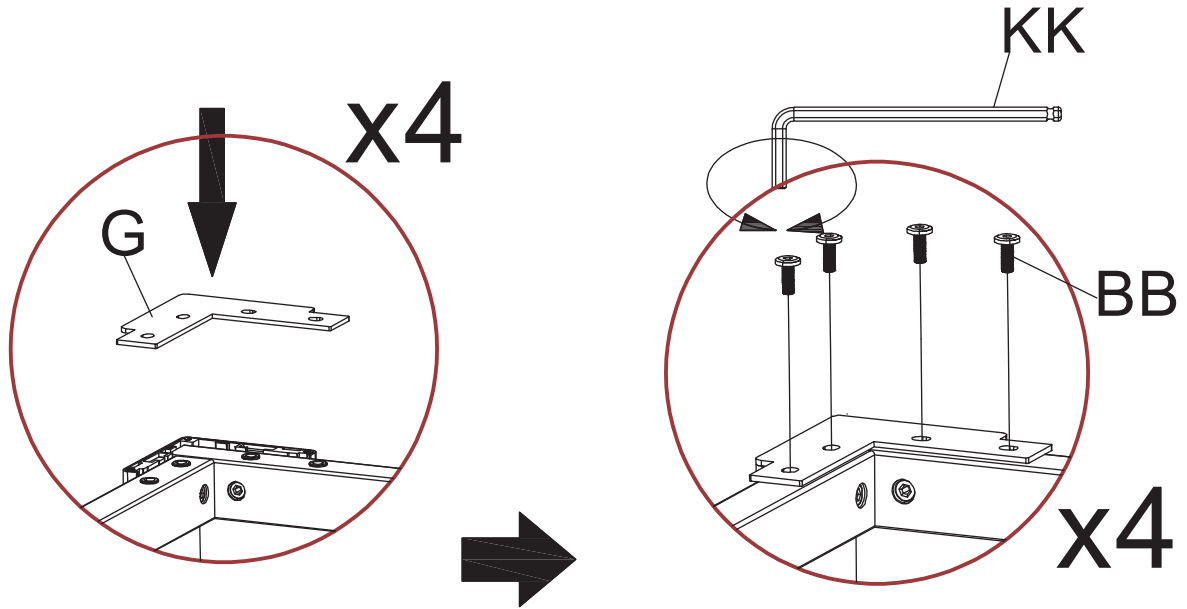
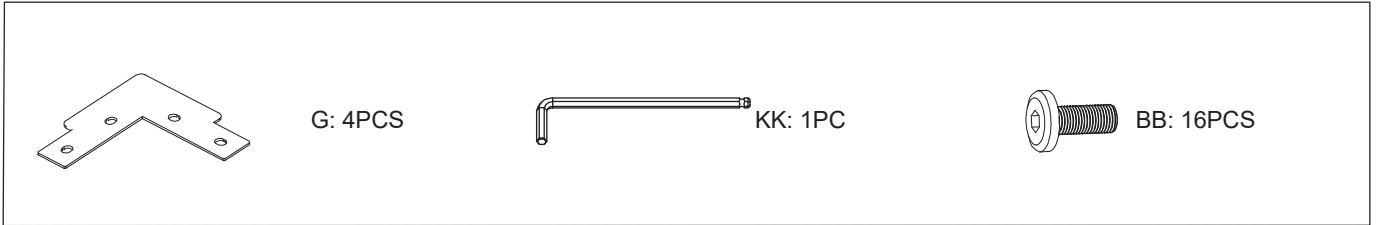


1.Insert assembled crossbeam D1/D2-E1/E2 into the column A slot from top to bottom.

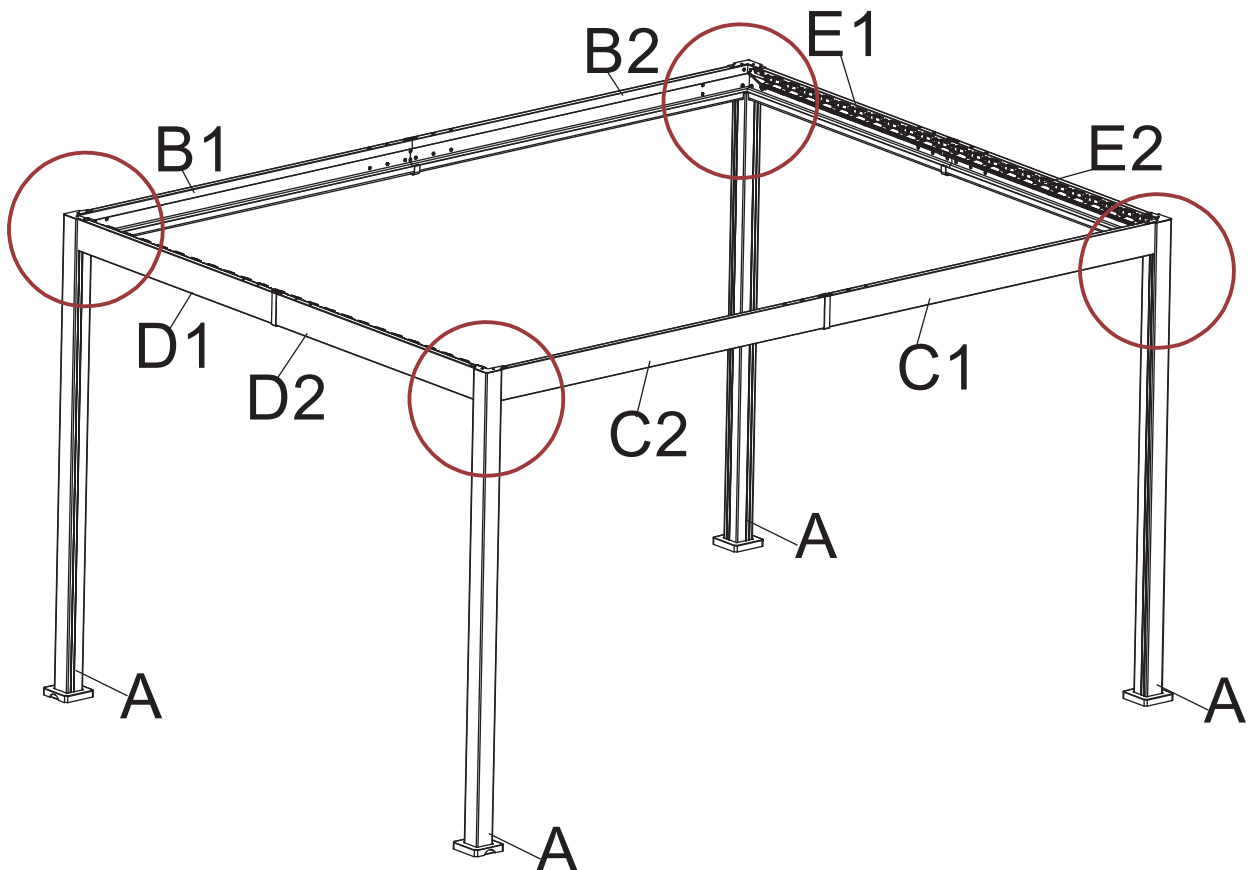
2.Tighten the beam's high-strength screws with wrench LL (1pc).



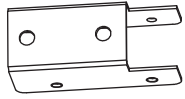
# STEP10: Install beam.



Place column top cover G (4pcs) on top of column A, then secure with screws BB (16pcs).



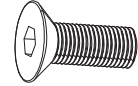
# STEP11: Install beam.



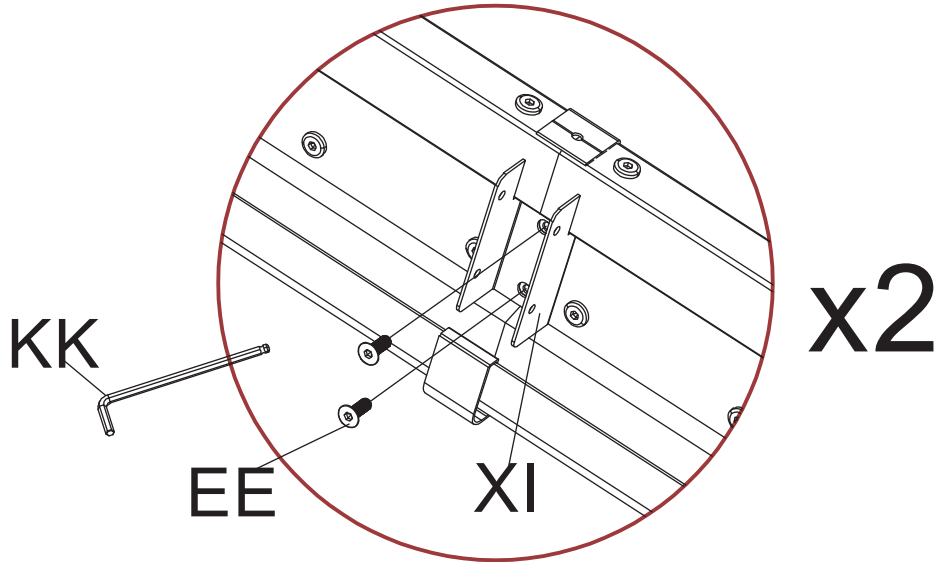
X1: 2PCS



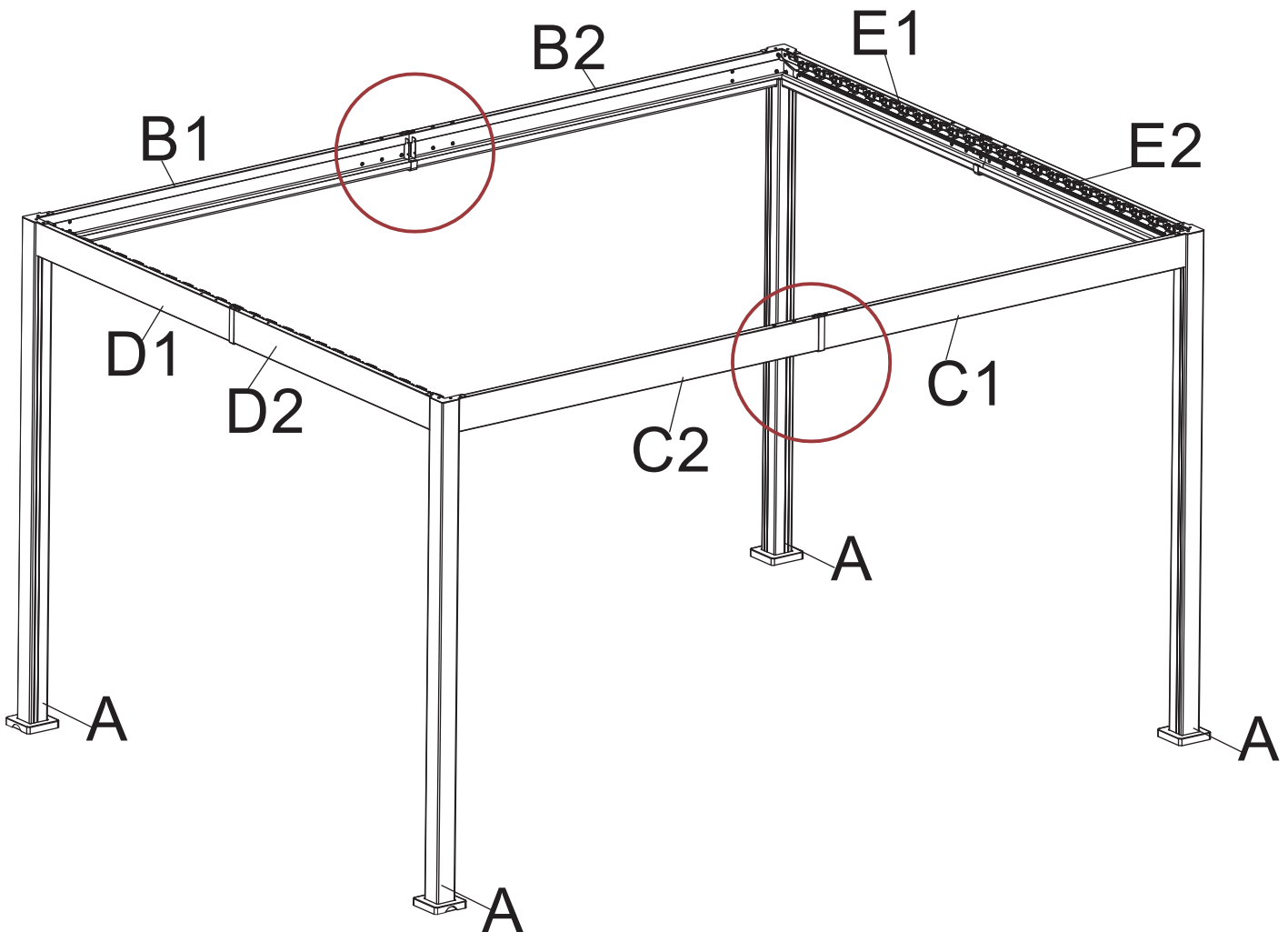
KK: 1PC



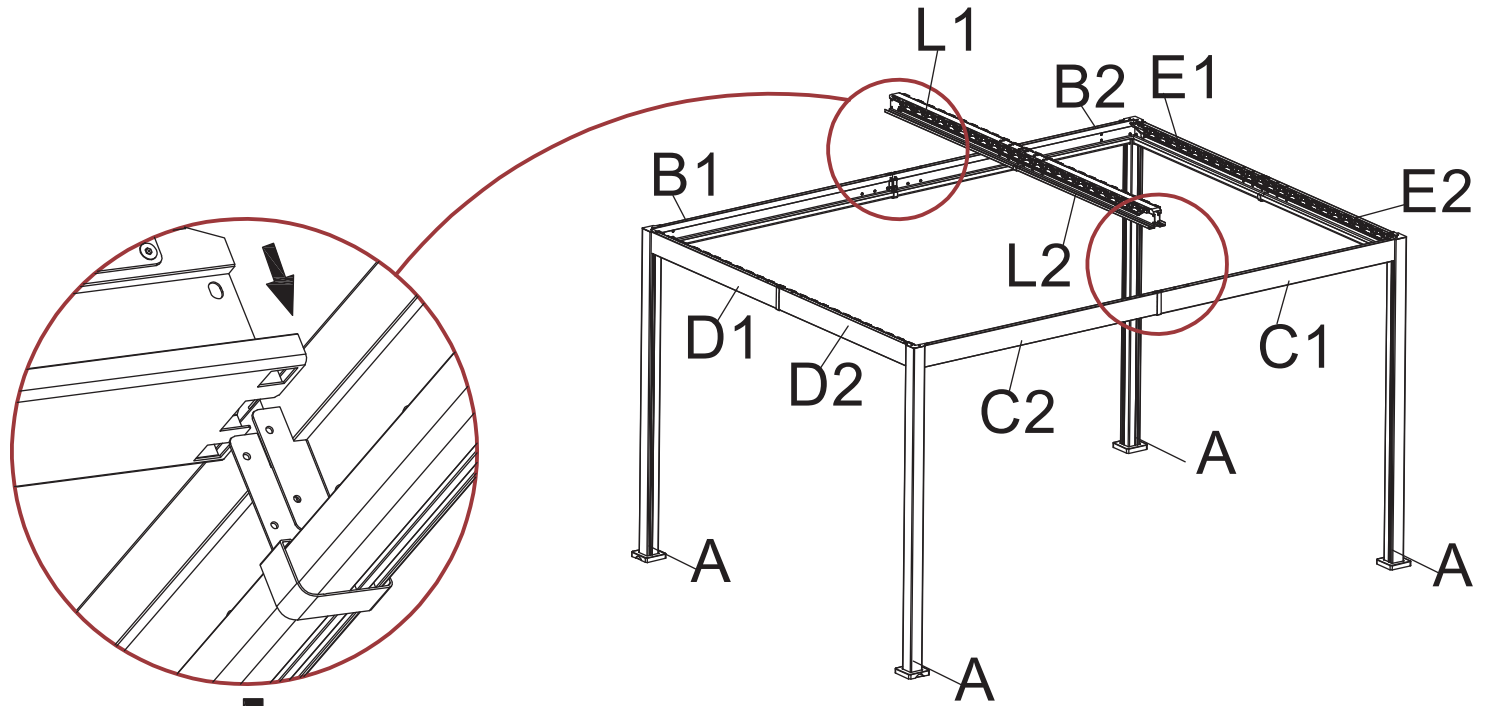
EE: 4PCS



Secure connector X1 (2pcs) to the seam of crossbeams B1/B2 and crossbeams C1/C2 with screws EE (4pcs).

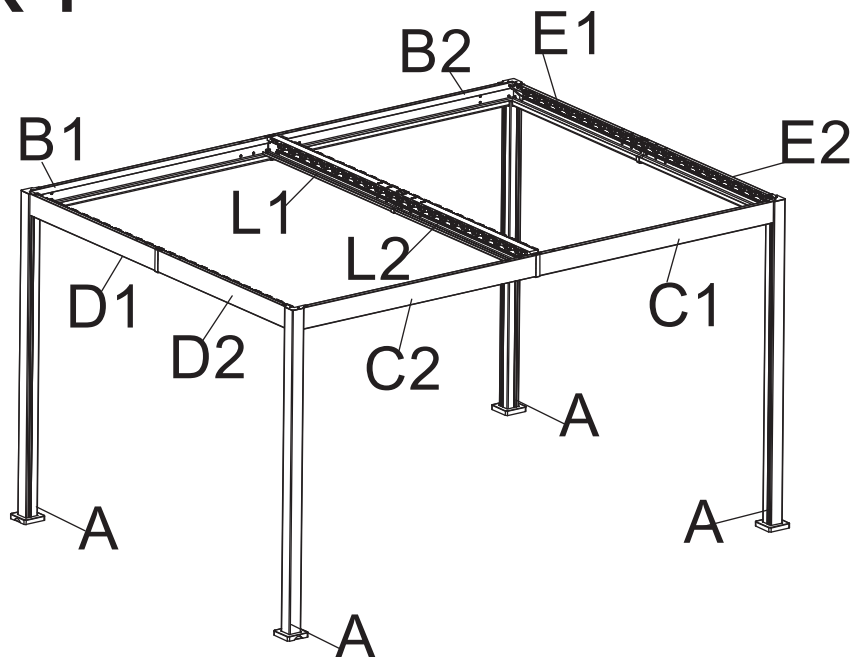
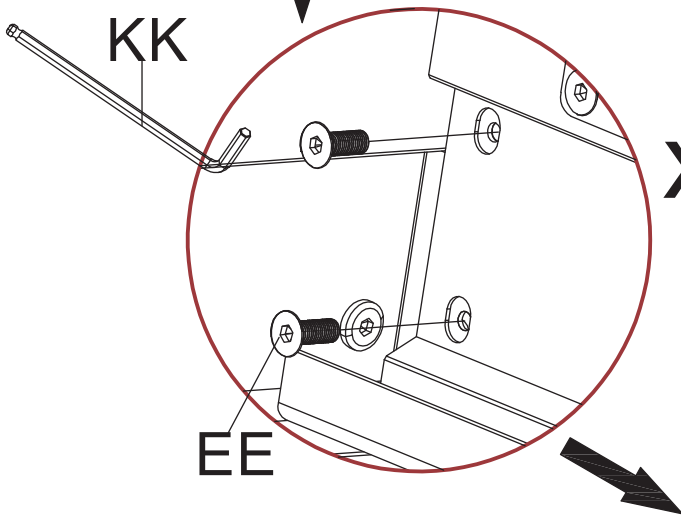


# STEP12: Install beam.

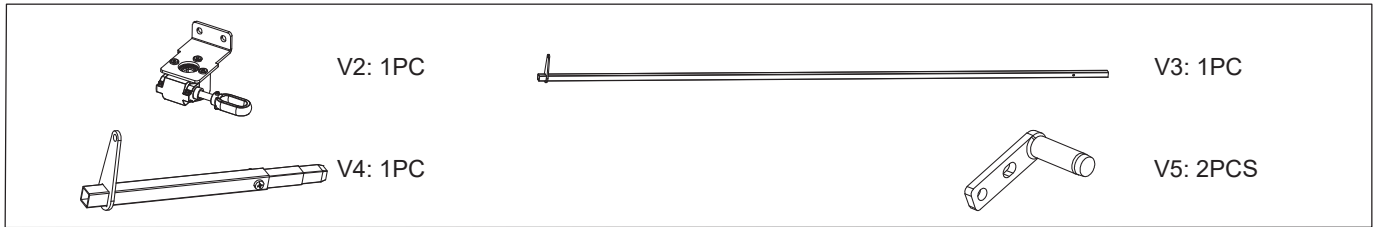


Insert crossbeams L1/L2 into connector X1 from top to bottom. Secure both sides with screws EE (12pcs).

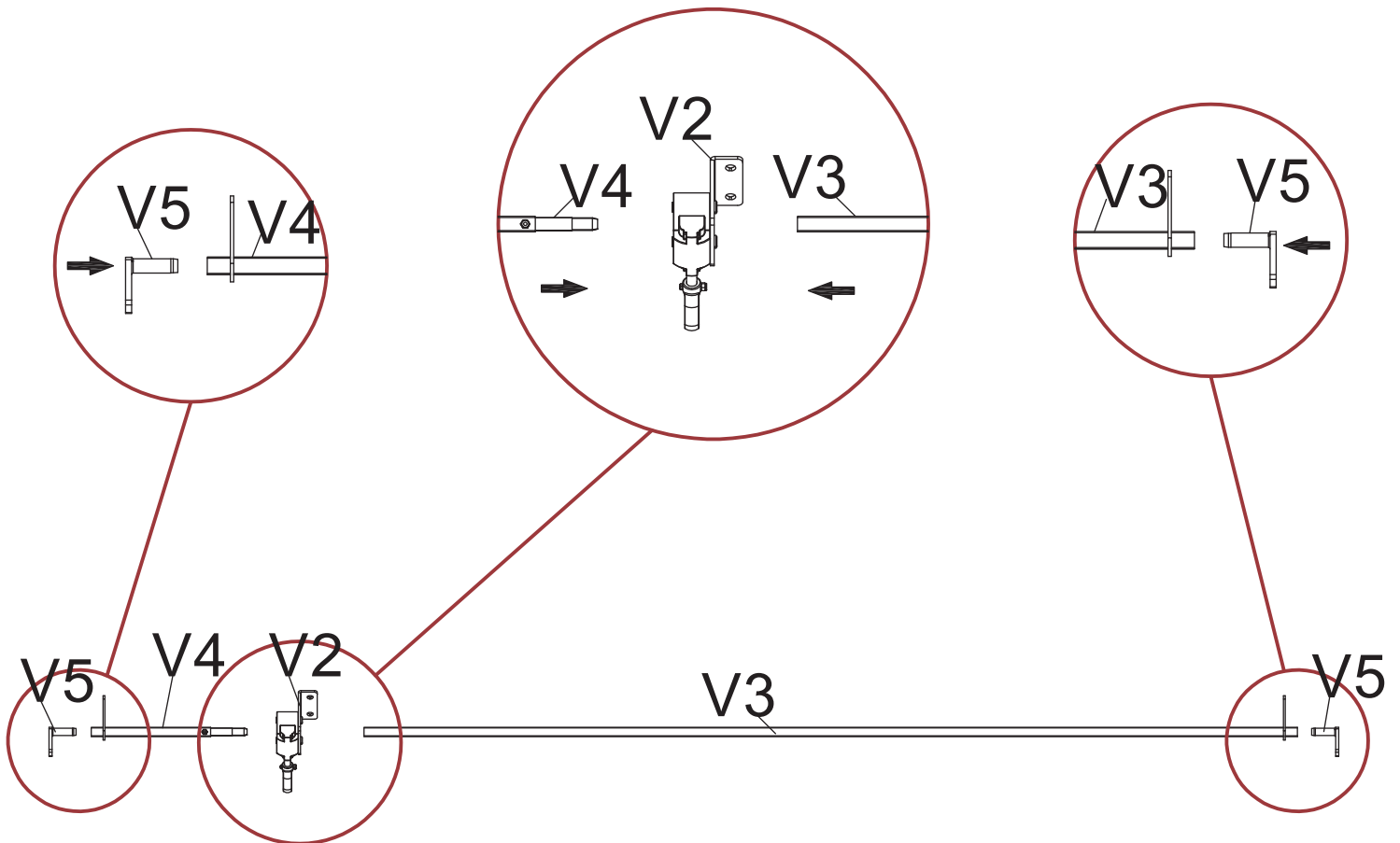
x4



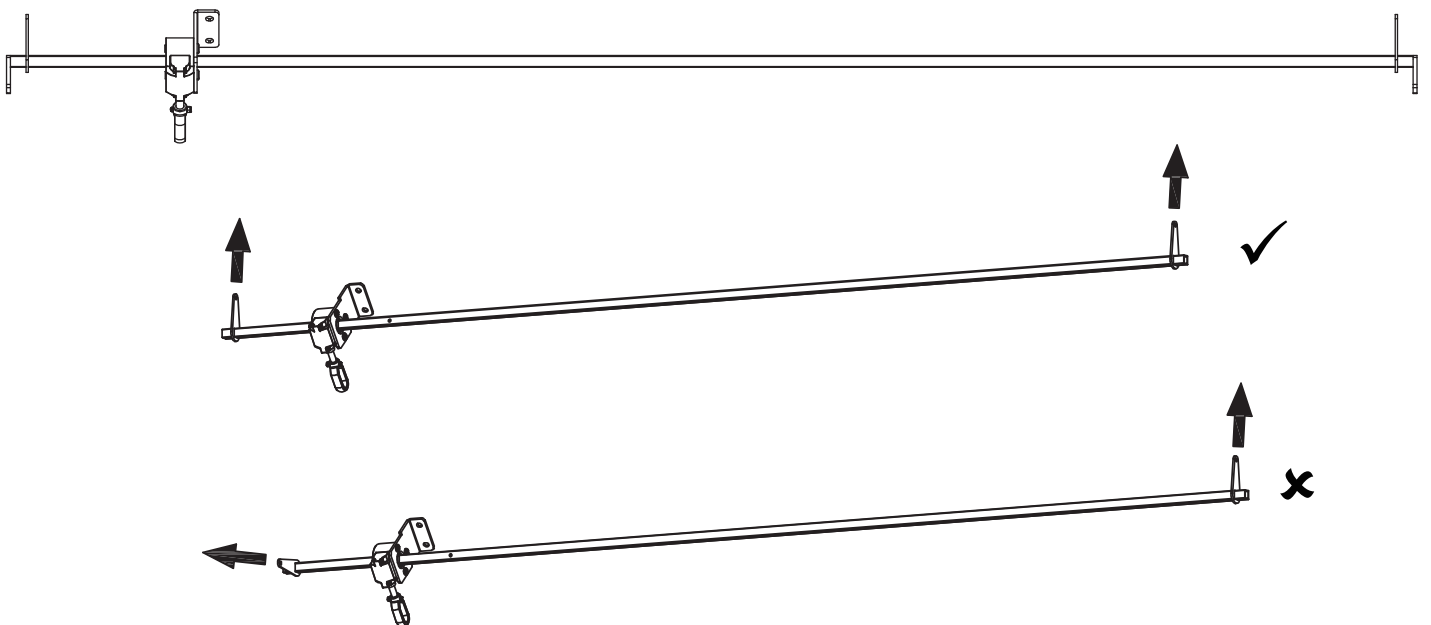
# STEP13: Install functional unit.



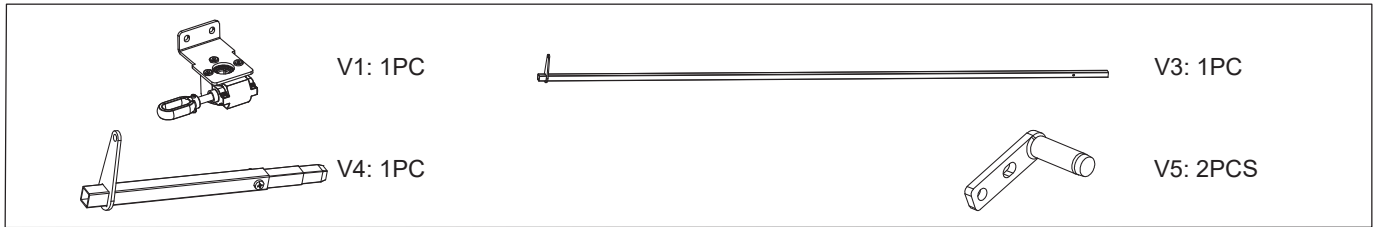
1. Insert rotating tube V4 (1pc) into the gearbox from left to right, then insert tube V3 (1pc) into the square shaft of V4 (1pc) from right to left. Note: Tubes V4 and V3 must face the same direction.



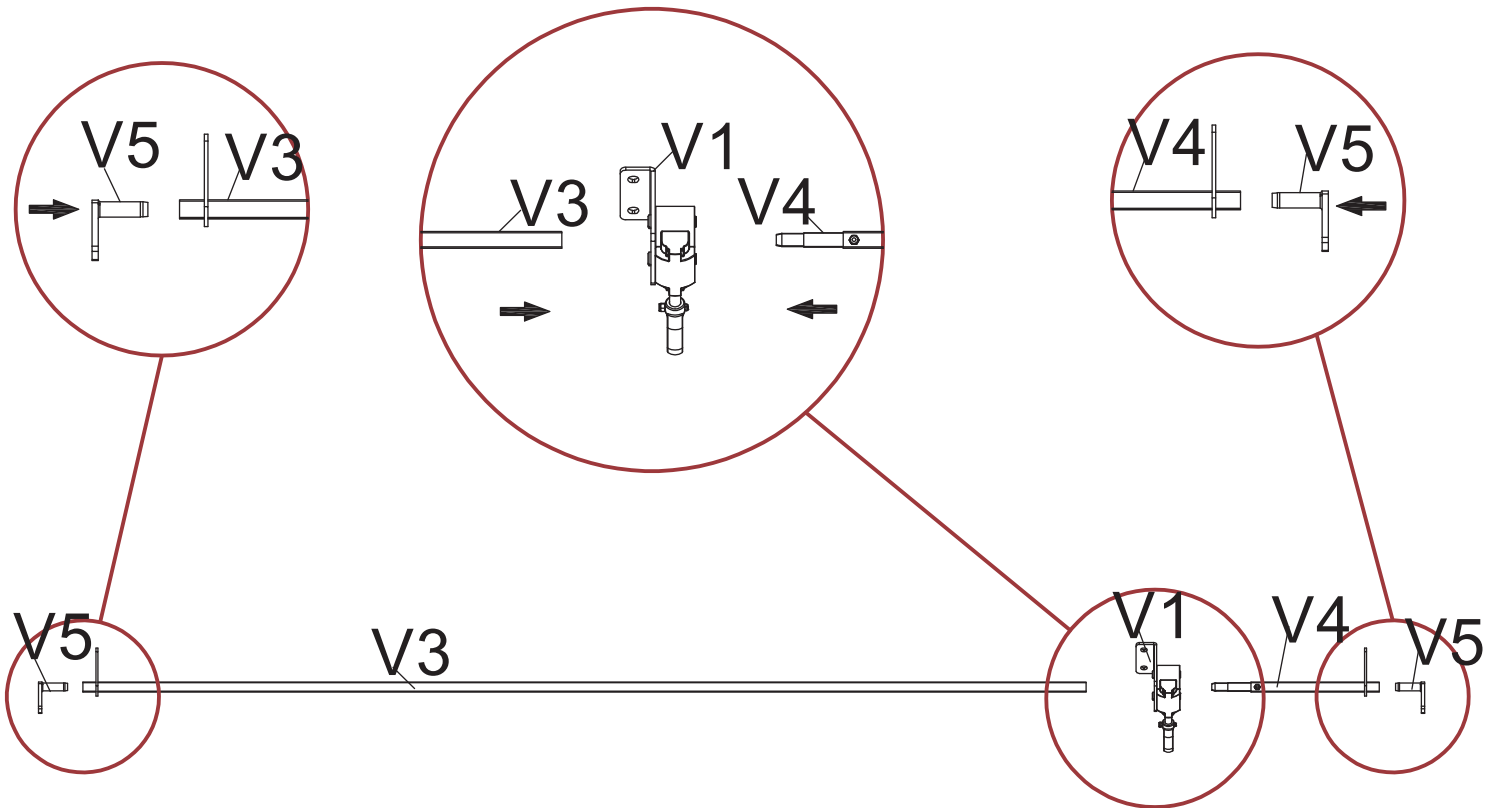
2. Insert rotating shaft V5 (1pc) into rotating assemblies V3 and V4.



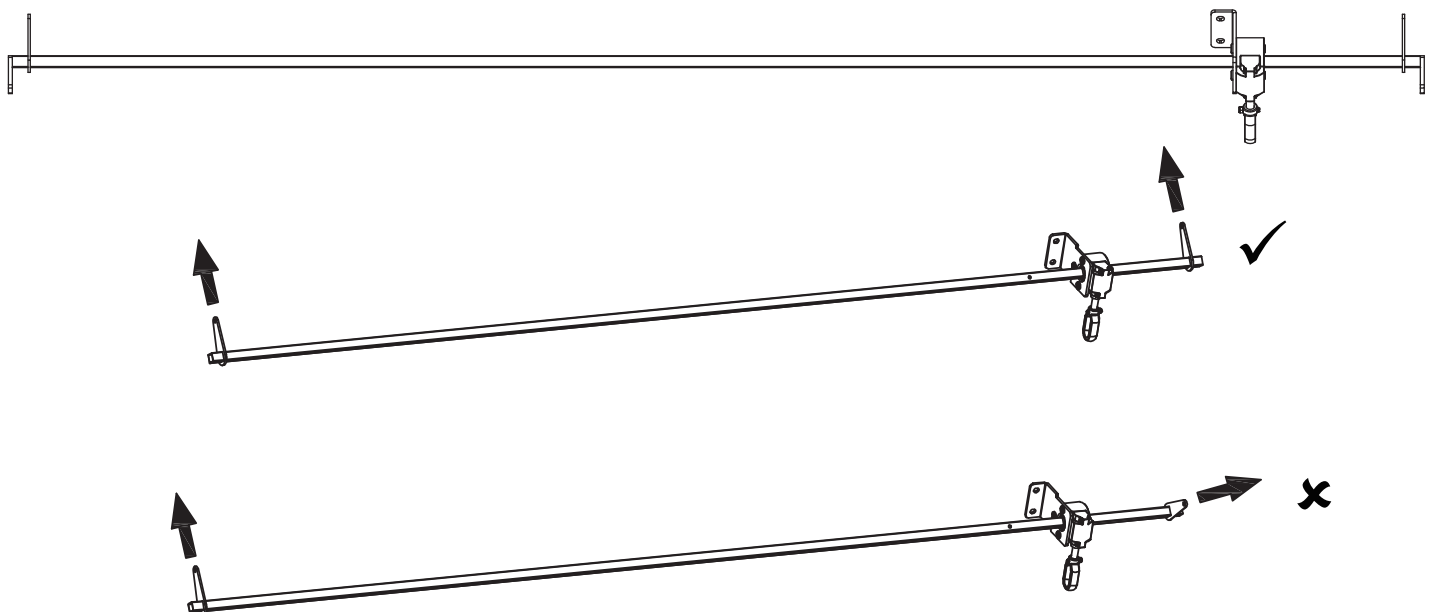
# STEP14: Install functional unit.



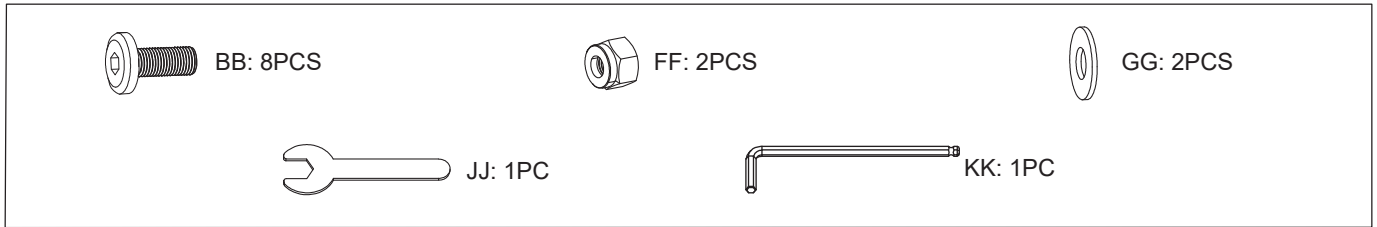
1. Insert rotating tube V4 (1pc) into the gearbox from left to right, then insert tube V3 (1pc) into the square shaft of V4 (1pc) from right to left. Note: Tubes V4 and V3 must face the same direction.



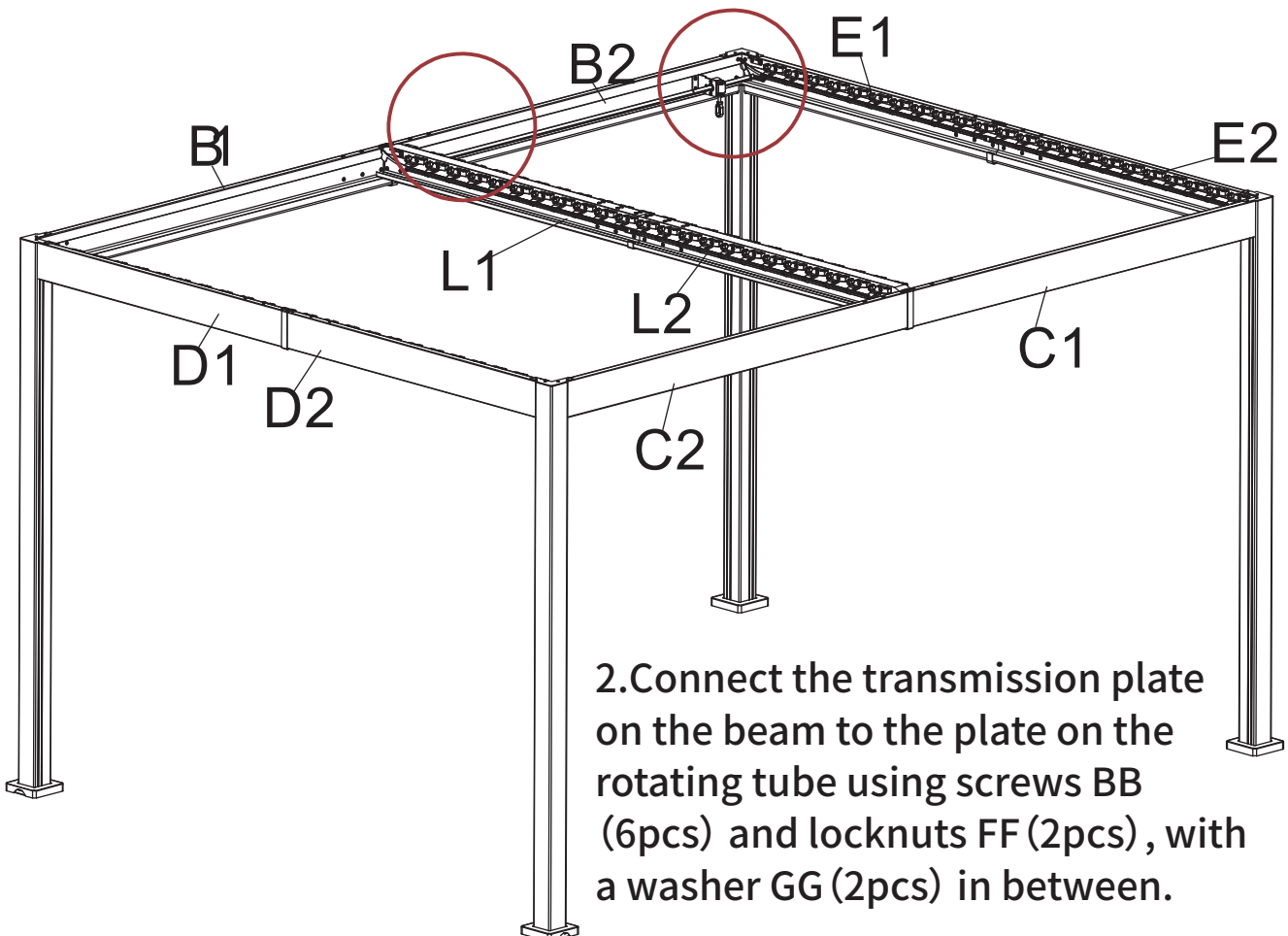
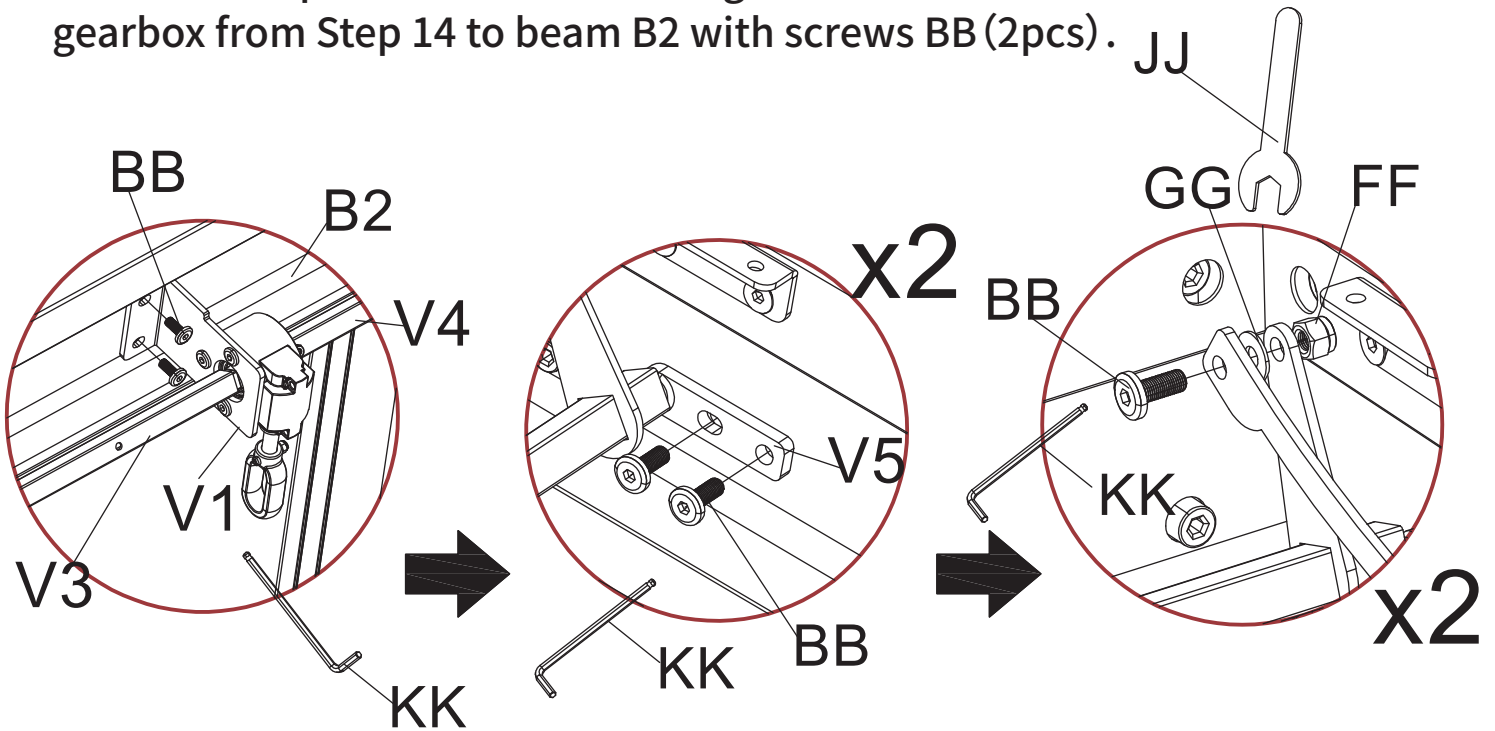
2. Insert rotating shaft V5 (1pc) into rotating assemblies V3 and V4.



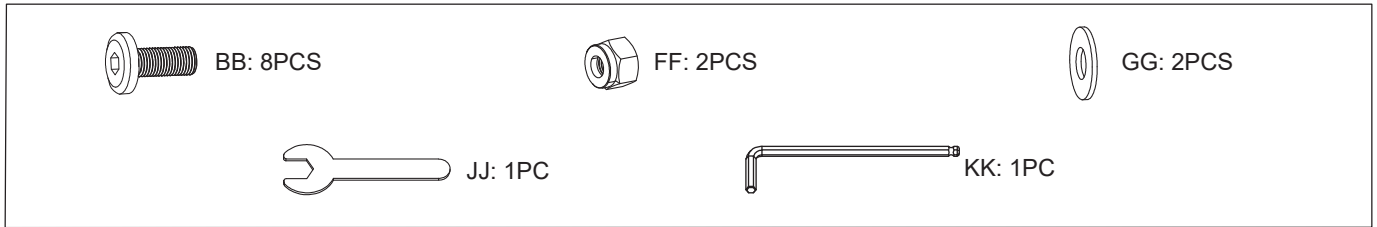
# STEP15: Install functional unit.



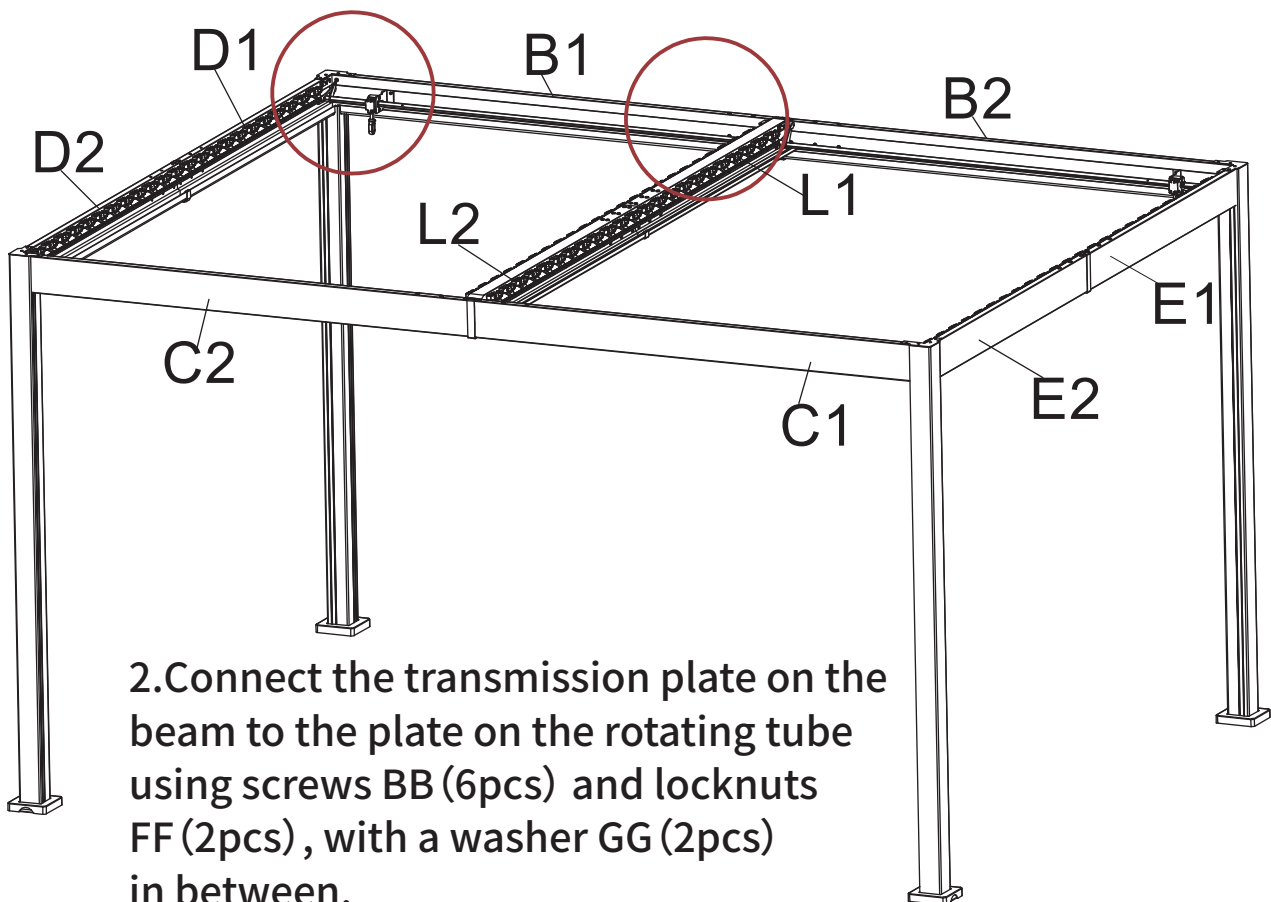
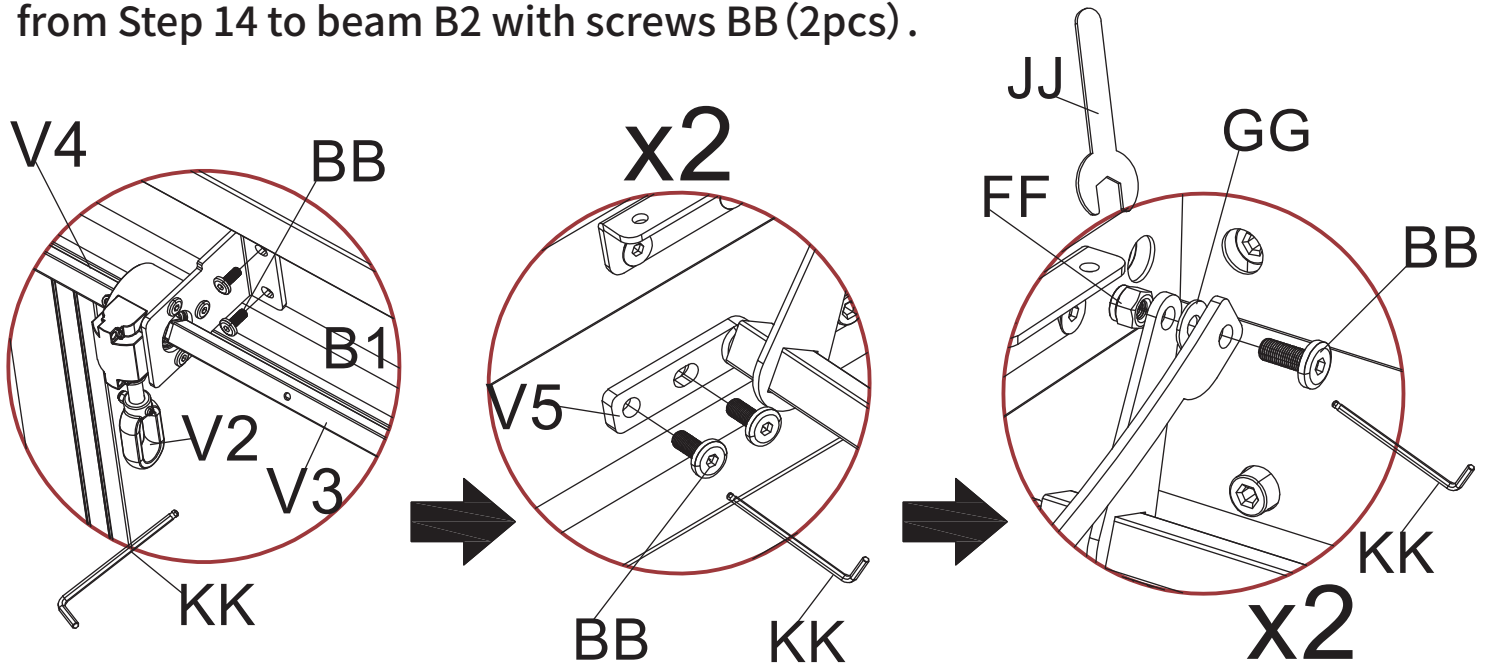
1. Secure the pre-assembled rotating unit and gearbox from Step 14 to beam B2 with screws BB (2pcs).



# STEP16: Install functional unit.

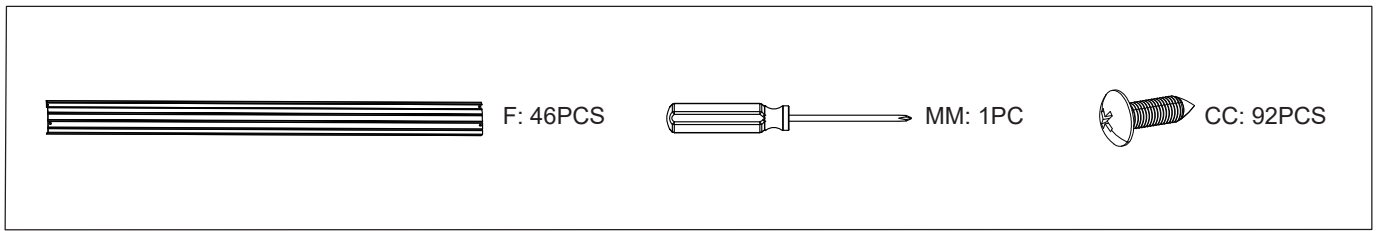


1. Secure the pre-assembled rotating unit and gearbox from Step 14 to beam B2 with screws BB (2pcs).

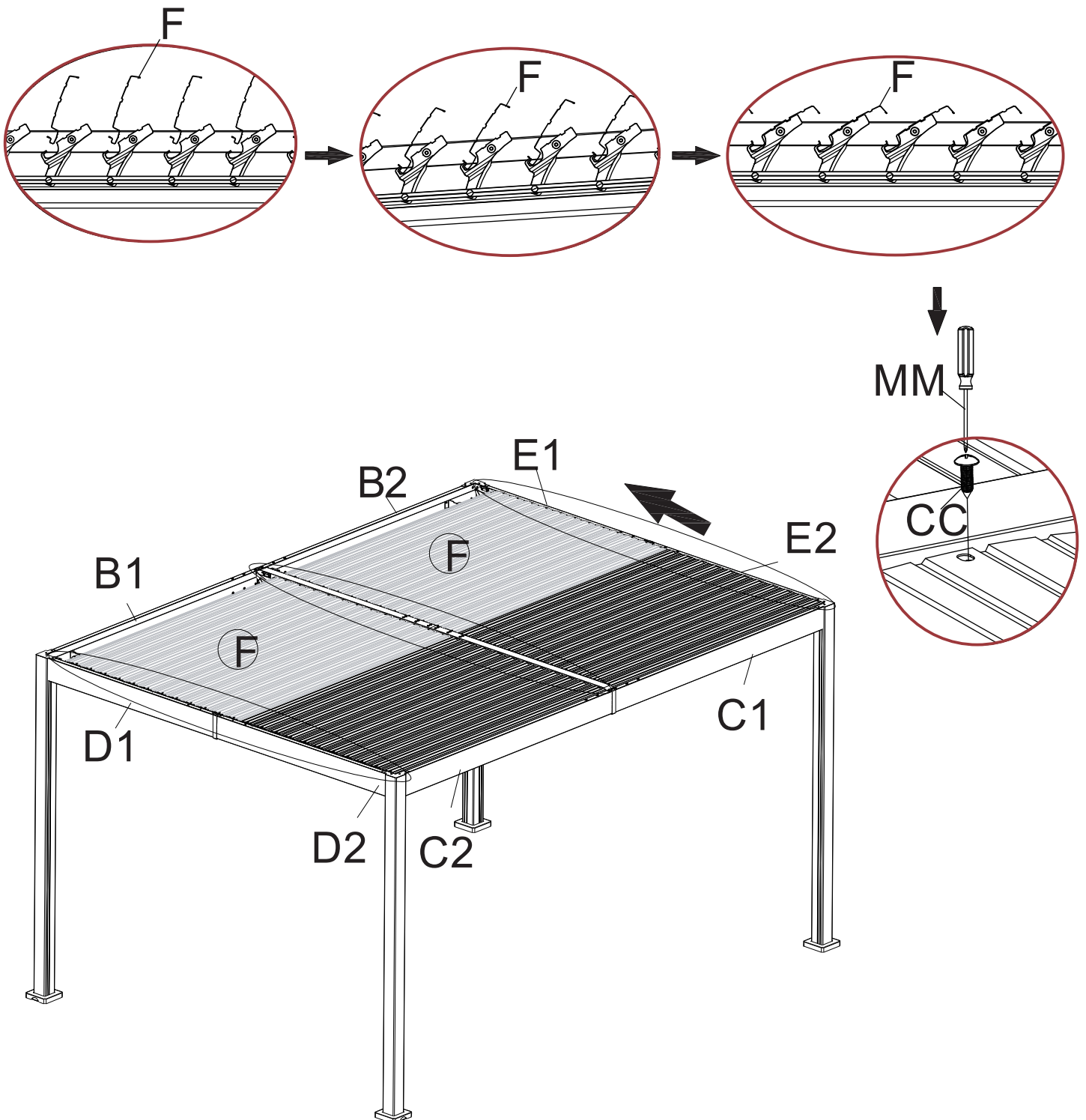


2. Connect the transmission plate on the beam to the plate on the rotating tube using screws BB (6pcs) and locknuts FF (2pcs), with a washer GG (2pcs) in between.

# STEP17: Install the canopy.

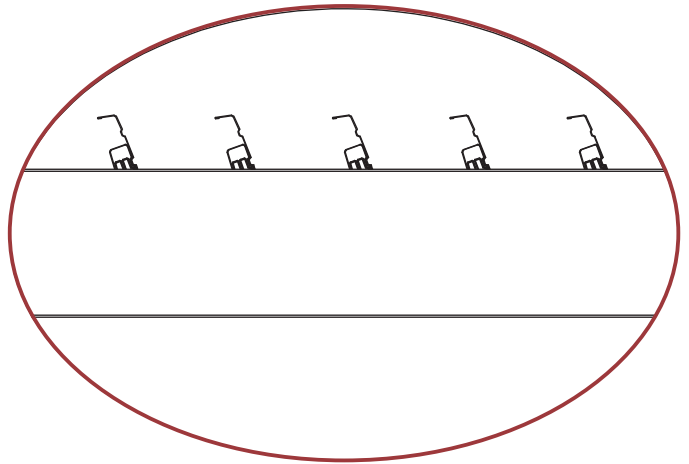
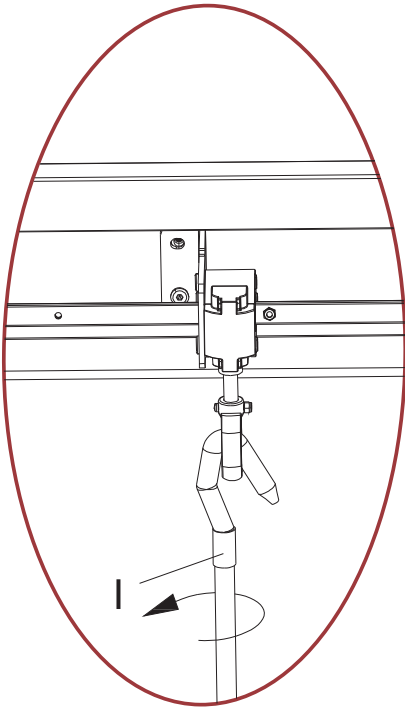
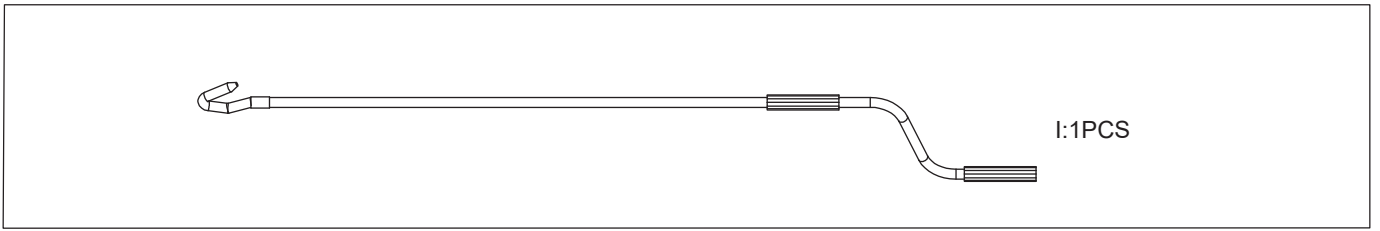


Insert blinds F (46pcs) into the plastic part at a tilt, then secure with self-tapping screws CC (92pcs) . Arrange blades in arrow direction.

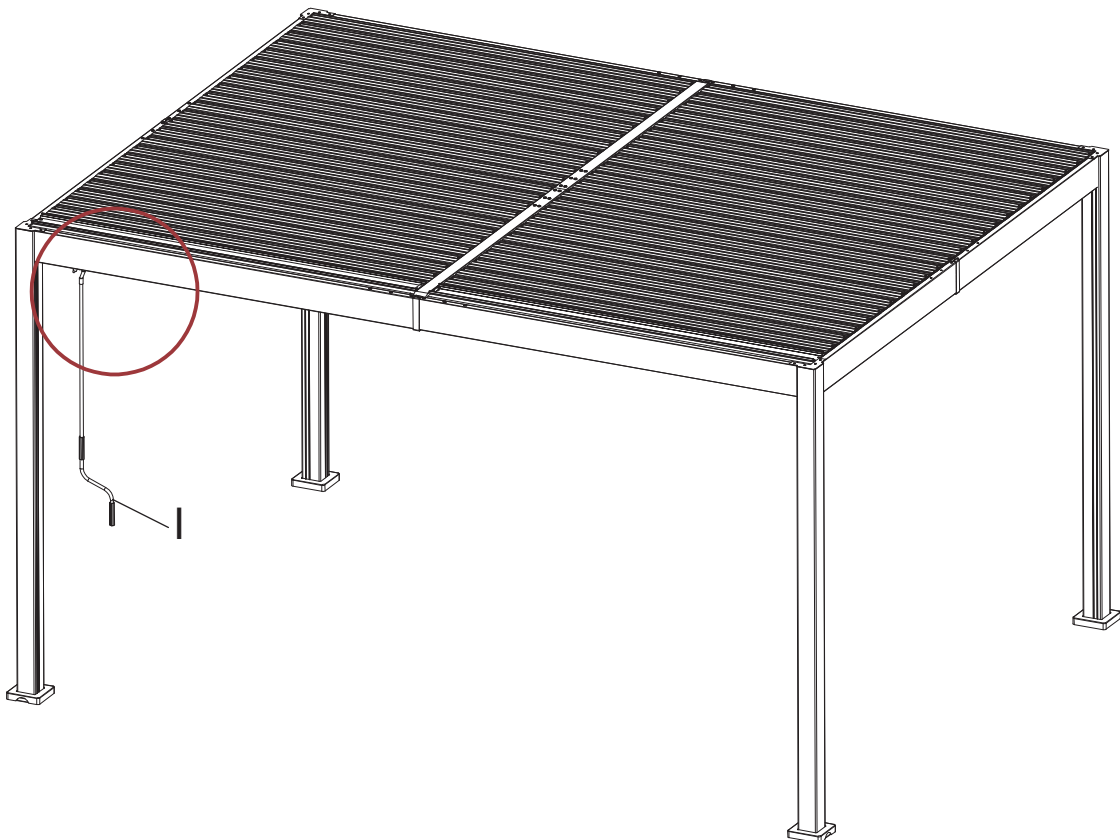




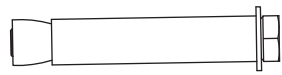
# STEP19:Installation test.



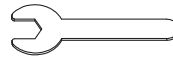
Rotate crank J (1pcs) to test if the blades open and close properly.



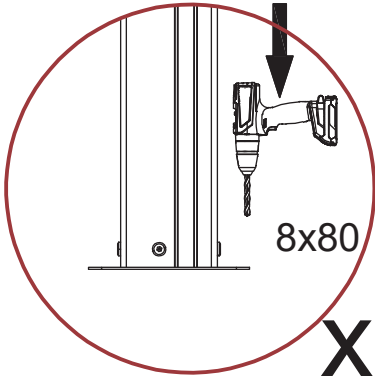
# STEP20:Secure in place.



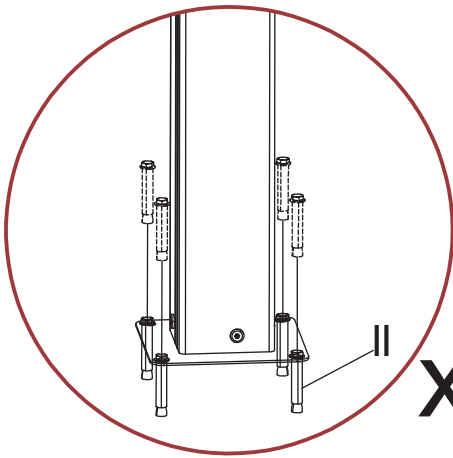
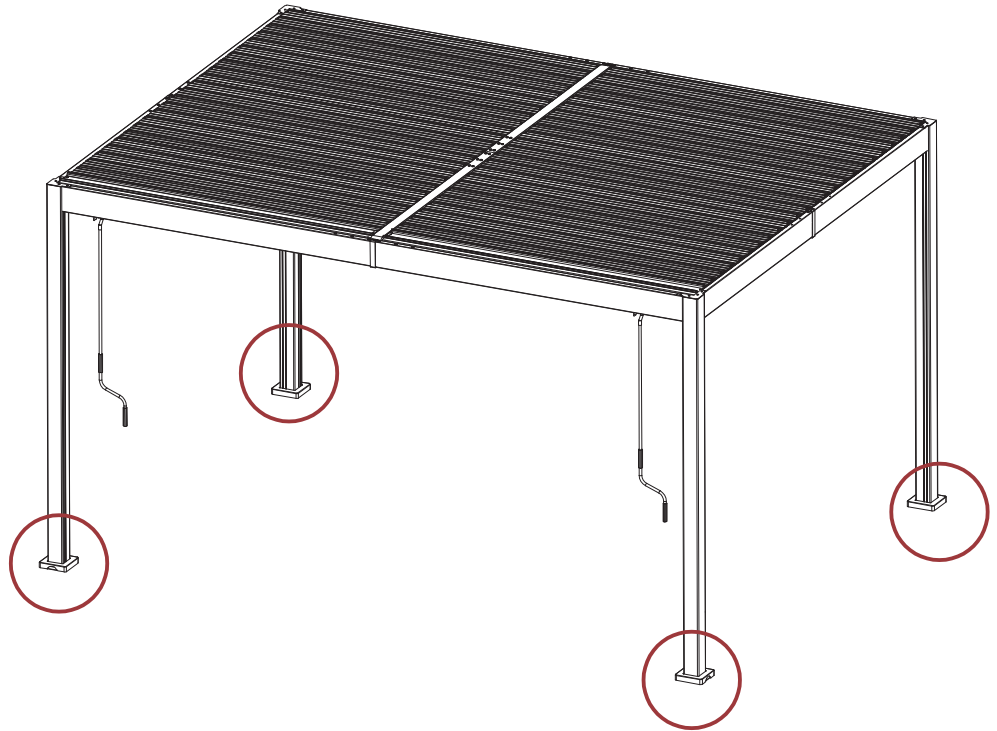
II: 16PC



JJ: 1PC



x4



x4

Drill holes at foot pad locations using an 8mm x 80mm electric drill. Hammer expansion bolts II (16pcs) into the holes and secure. Note: For concrete floors only.

