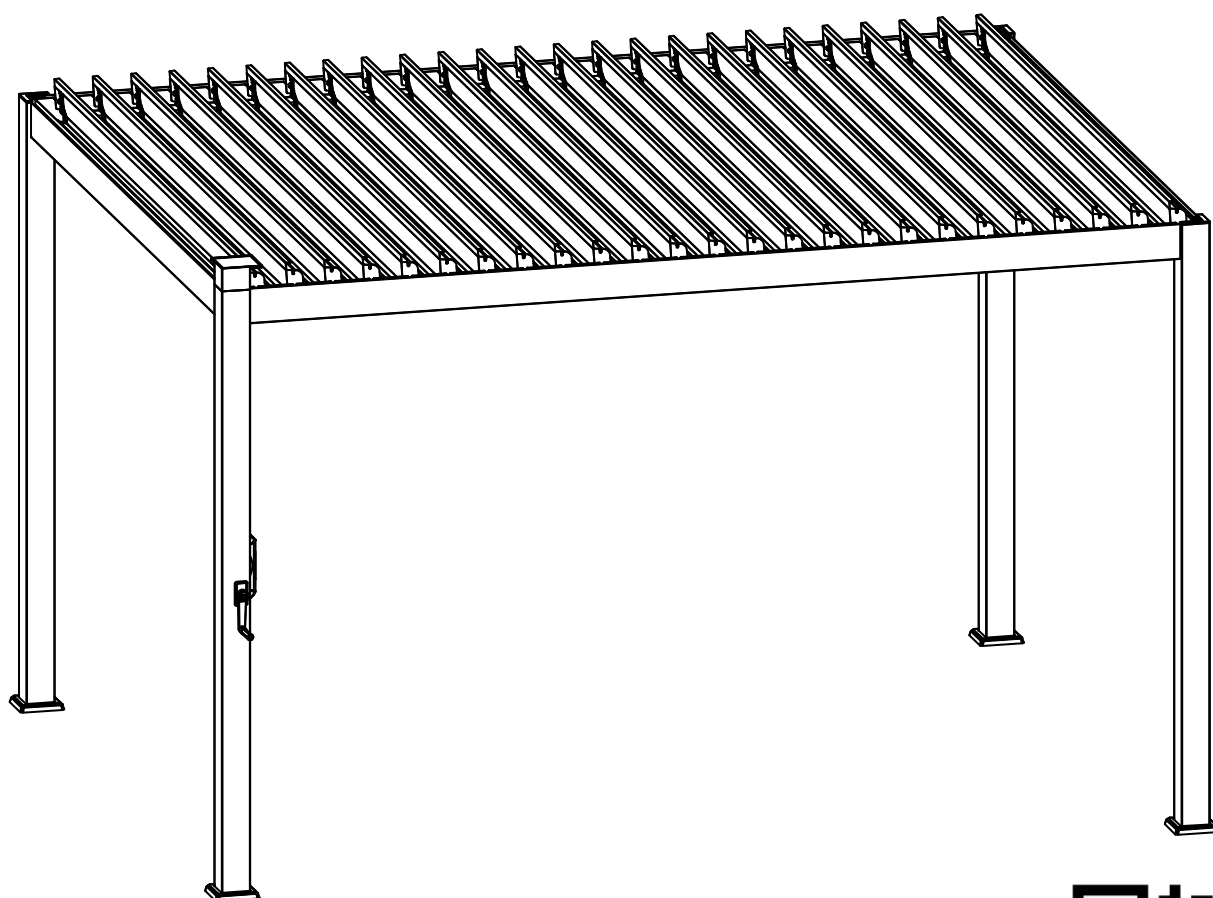

Titan 10' × 13' Aluminized Steel Pergola with Solar-Powered LED Lights



Scan for assembly video

Need help or have any questions? Our Professional Service Team is ready to assist you. Don't hesitate to reach out to us at **service@usavingmall.com** or call us at **949-866-8000** for any support or further assistance. We are committed to providing excellent service.

User Manual

General Guidelines:

- Please read the following instructions carefully and use the product accordingly.
- Please keep this manual and hand it over when you transfer the product.
- This summary may not include every detail of all variations and considered steps. Please contact us when further information and help are needed.

Notes:

- Personal injury and/or damage to the product may occur if the product is used outside of its intended purposes and/or if the product has been changed/modified from its original design.
- The product must be assembled and used in accordance with the provisions of the manual. The seller does not assume any responsibility or liability with respect to any damage caused by incorrect assembly or improper use.
- Carefully check accessories when opening the package. If anything is missing or damaged, please contact us immediately.
- Please do not force or overtighten screws. If any screw gets stuck, unscrew it and start again. After setup, fully tighten screws.
- Please keep all the packaging - we cannot accept any returned item without the original packaging.
- Please ensure that you have sufficient space to assemble the item.
- Do not tighten all the screws before ensuring the item is properly aligned.
- Ensure that the pergola is installed in a suitable location with adequate space and proper support.
- It is recommended to assemble the pergola with the help of at least three people to ensure safety and efficiency. The use of a ladder and power tools can greatly increase installation efficiency.
- Keep small parts and hardware in a safe place during assembly to avoid misplacement.
- The LED lights controller allows for adjustable brightness. Please contact customer service team immediately for assistance.
- Before using the LED function, ensure that the controller's battery is fully charged. If the weather conditions are poor, use the included charging cable to charge it. Once fully charged, the LED can operate for up to 6-8 hours, depending on the brightness setting.

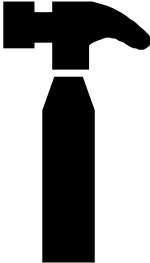
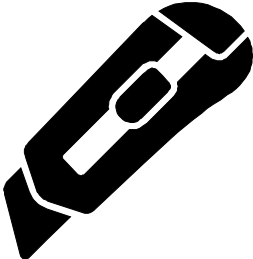
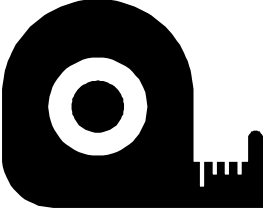
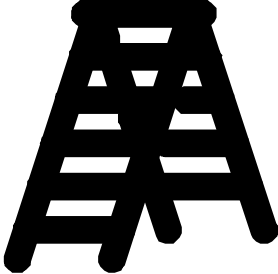
• Warnings:

- To avoid potential dangers of suffocation, please keep all parts and packaging (film plastic bags, foam, etc.) away from babies and children.
- Tighten all components securely before use. Failure to do so may result in personal injury.
- Ensure that the pergola is securely anchored or fastened to the ground or any supporting structure to prevent it from toppling over.
- Be cautious while handling any sharp edges or corners of the pergola during the assembly process.
- This product features a lithium battery, so please don't discard it - dispose of it responsibly in accordance with local laws.

Daily Maintenance:

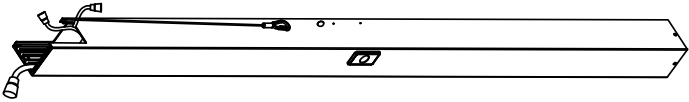
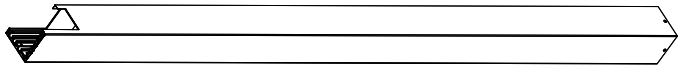
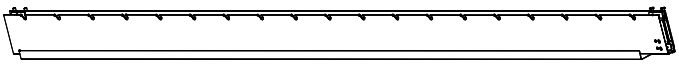
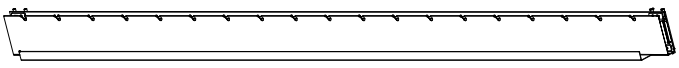
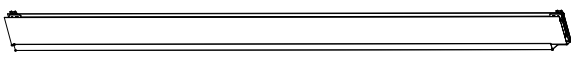
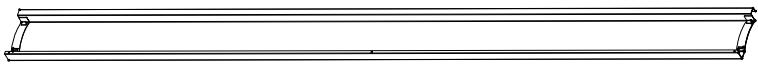
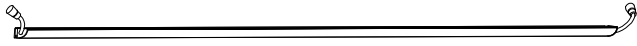
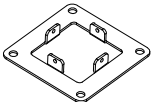
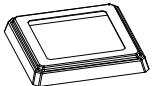
- Regularly inspect the pergola for any loose or damaged parts and secure or replace them as needed.
- Clean the pergola using mild cleaning solutions and a soft cloth.
- Keep vegetation and debris clear from the pergola to prevent any potential damage or obstruction.

To make your installation process quicker and more convenient, we recommend having the following tools and accessories ready in advance. Please note that these are not included with the product.

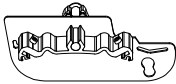
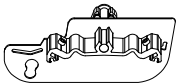
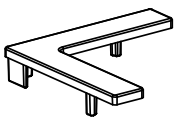
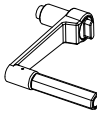
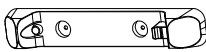
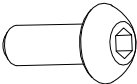
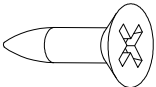
Protective Gloves 	Electric Screwdriver 	Hammer 	Box Cutter 
Hard Hat 	Tape Measure 	2 Ladders 	



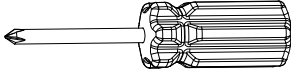
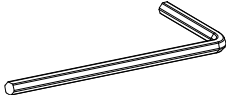
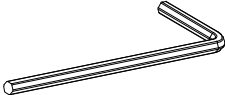
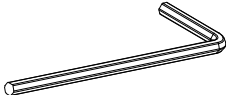
Part List

Part Number	REF	Part Name	Qty
A1	 	Main Pillar	1
A2	 	Pillar	3
B1	 	Beam	1
B2	 	Beam	1
B3	 	Beam	2
C	 	Louver	25
D1		Connecting strip with hydraulic rod	1
D2		Connecting strip	1
E1		LED light strip	2
E2		LED light strip	2
F1		Foot plate	4
F2		Foot plate cover	4

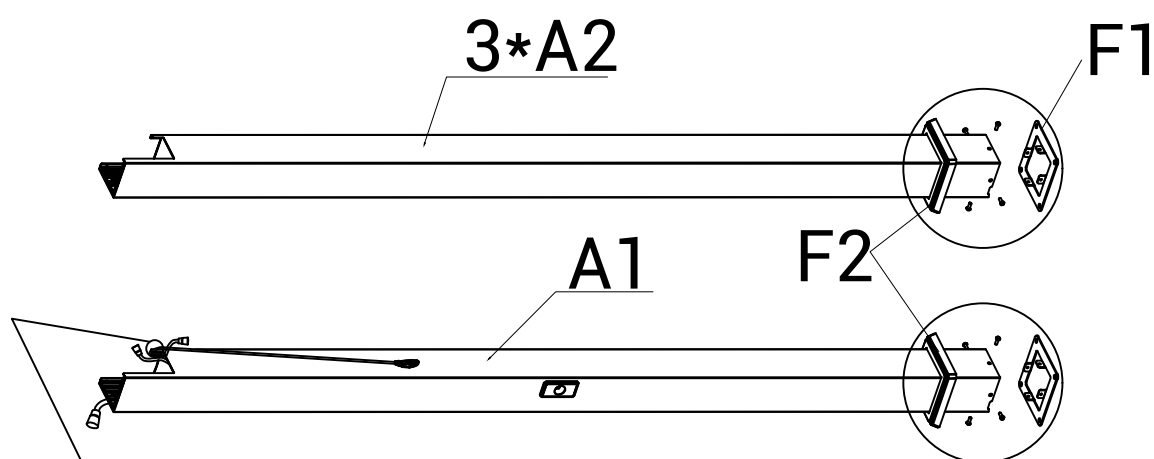
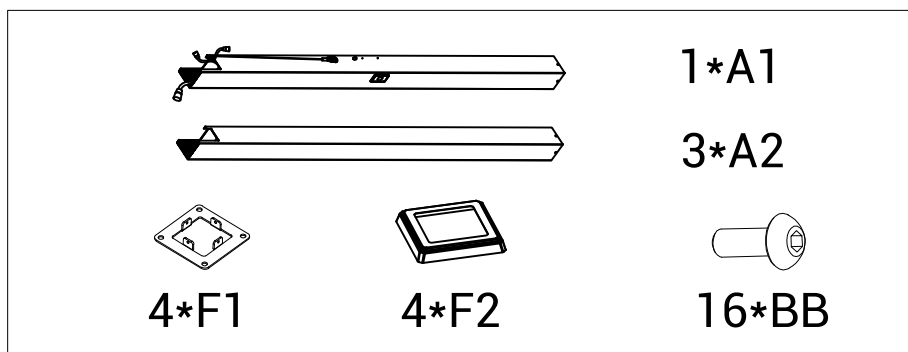
Part List

Part Number	REF	Part Name	Qty
G1		Right Louver end cap	25
G2		Left Louver end cap	25
H1		Pillar cover	3
H2		Solar panel	1
K		Crank	1
L1		Controller base	1
L2		Controller	2
L3		Charging cable	1
M		Plastic Sleeve	50
BB		M6X18 Screw	20
DD		Screw	2
CC 1		M5X12 Screw	1

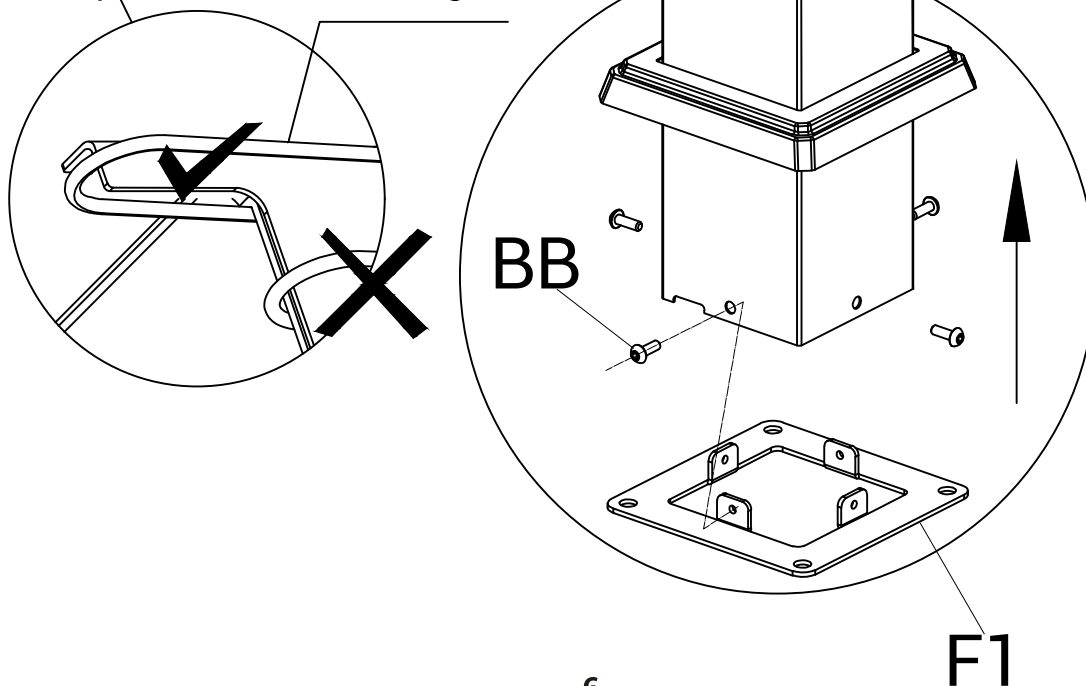
Part List

Part Number	REF	Part Name	Qty
CC 2		Washer	1
EE		M6x60mm Anchor bolt	16
FF		Screwdriver	1
GG		Large Allen wrench	2
HH		Medium Allen wrench	2
JJ		Double open- end wrench	1
KK		Small Allen wrench	2

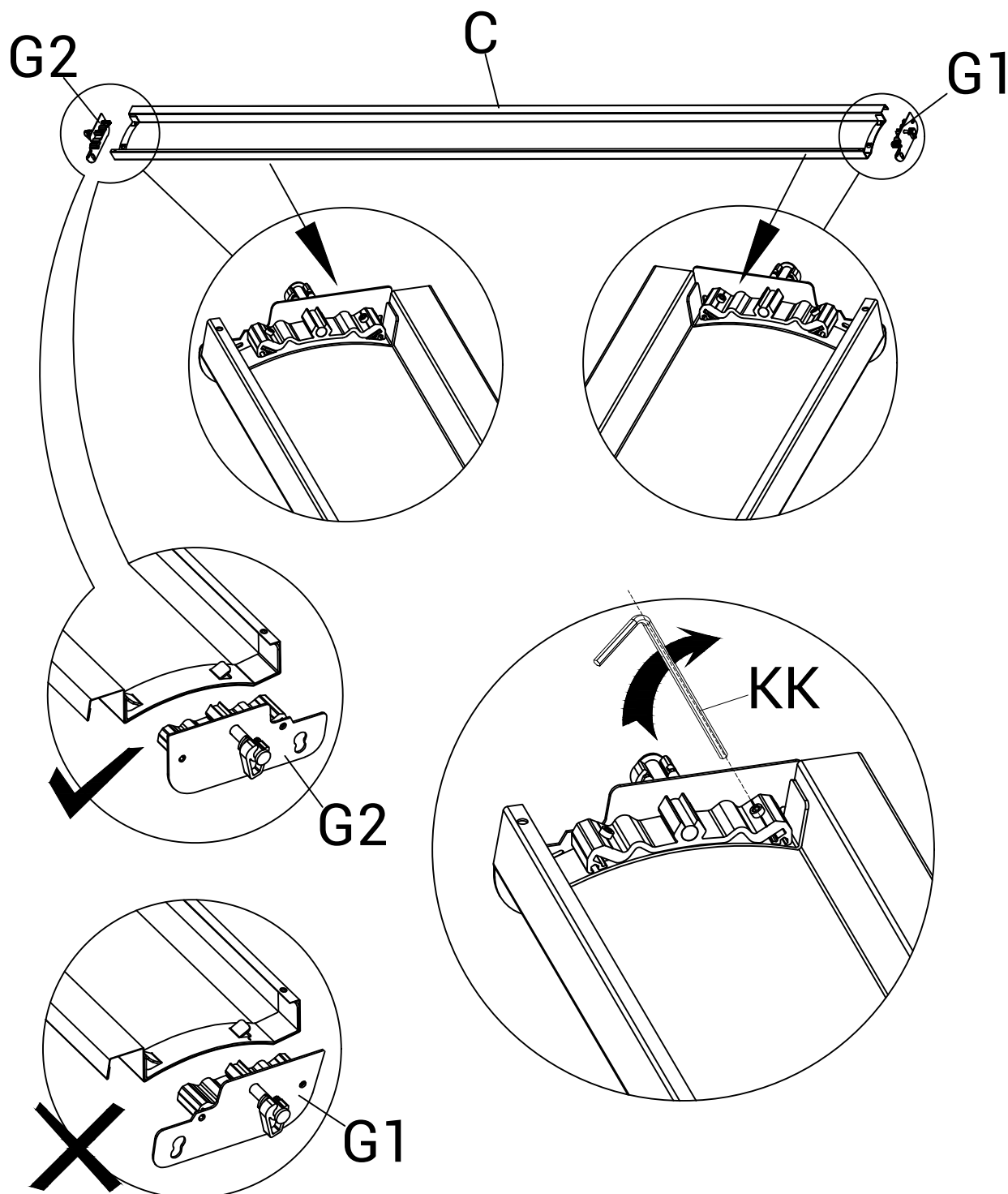
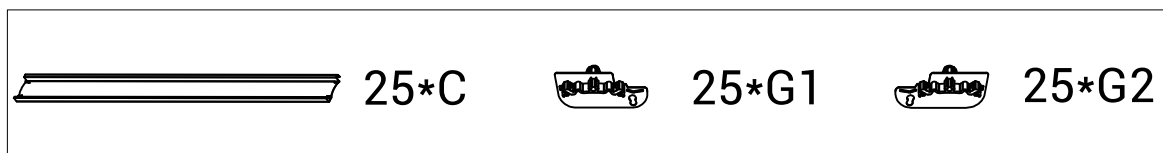
Step 1: Slide the foot plate cover F2 over Main Pillar A1 and Pillar A2. Insert the Foot Plate into the bottom groove and secure it with screws BB.



Note: The pull cord must be hung here.

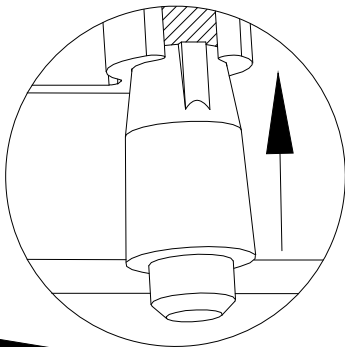
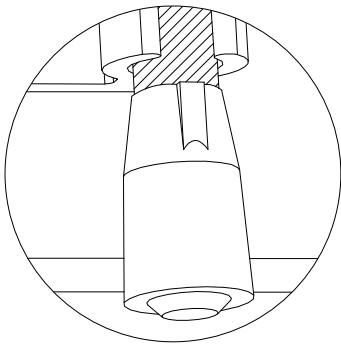
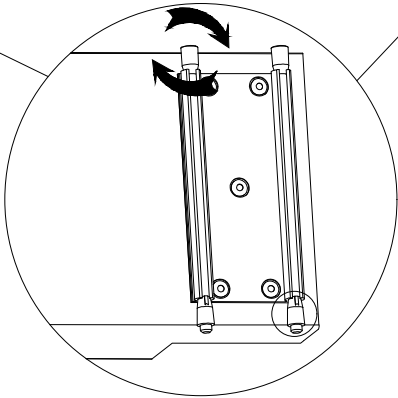
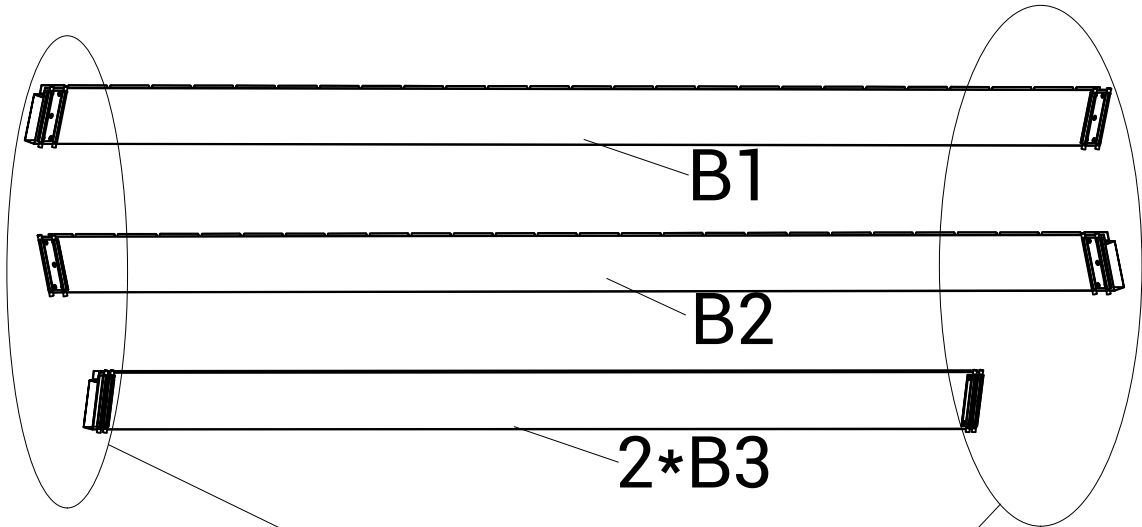
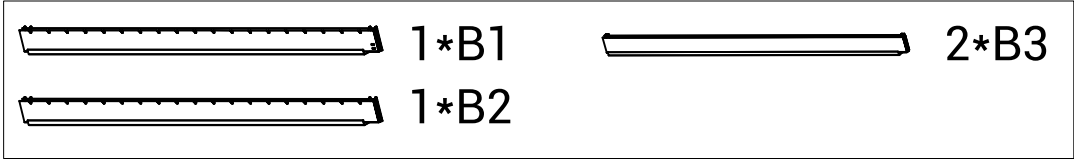


Step 2: Attach Right Louver End Cap G1 and Left Louver End Cap G2 to Louver C, ensuring the correct sides. Use wrench KK to tighten the screws for a snug fit.

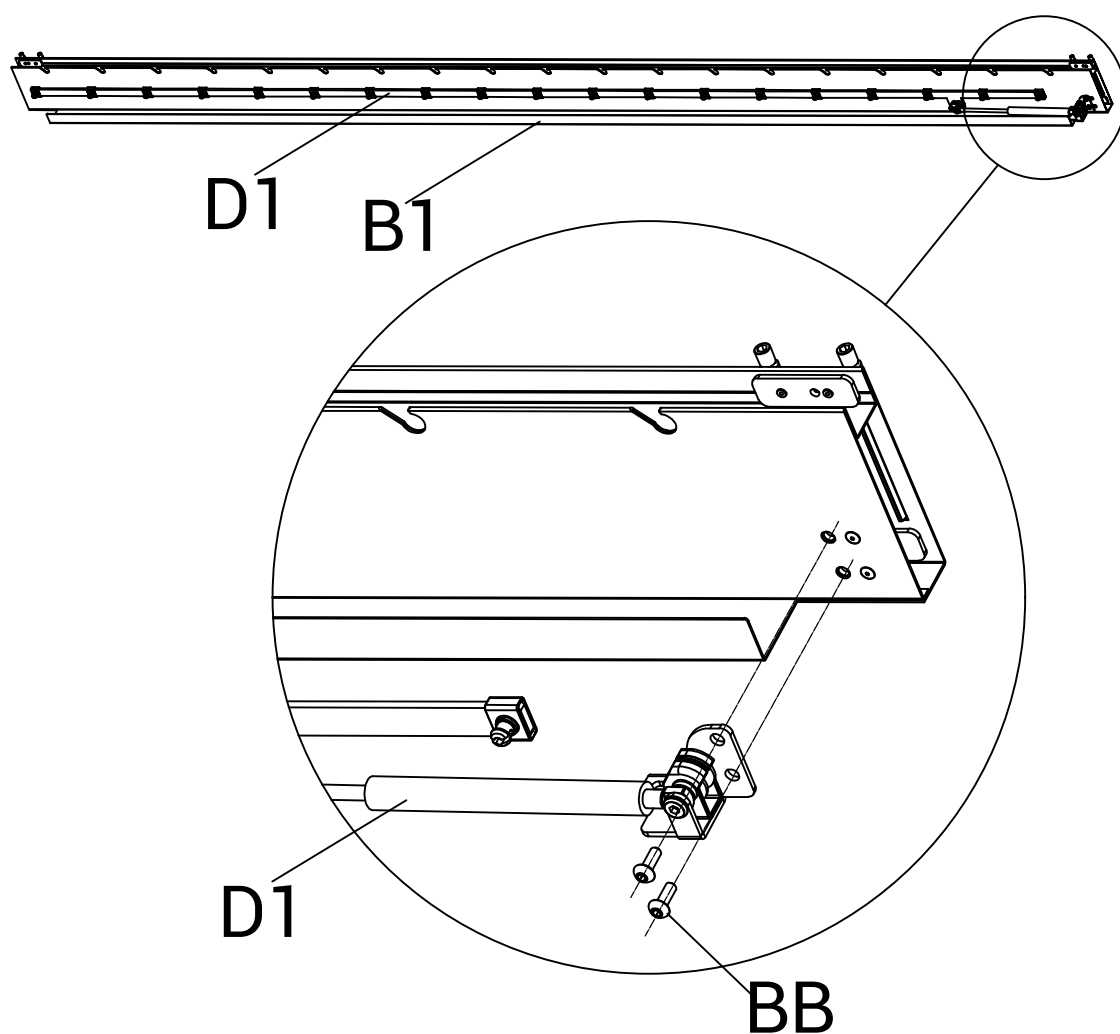
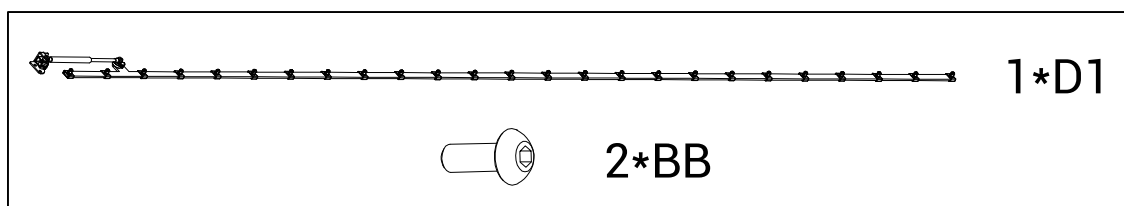




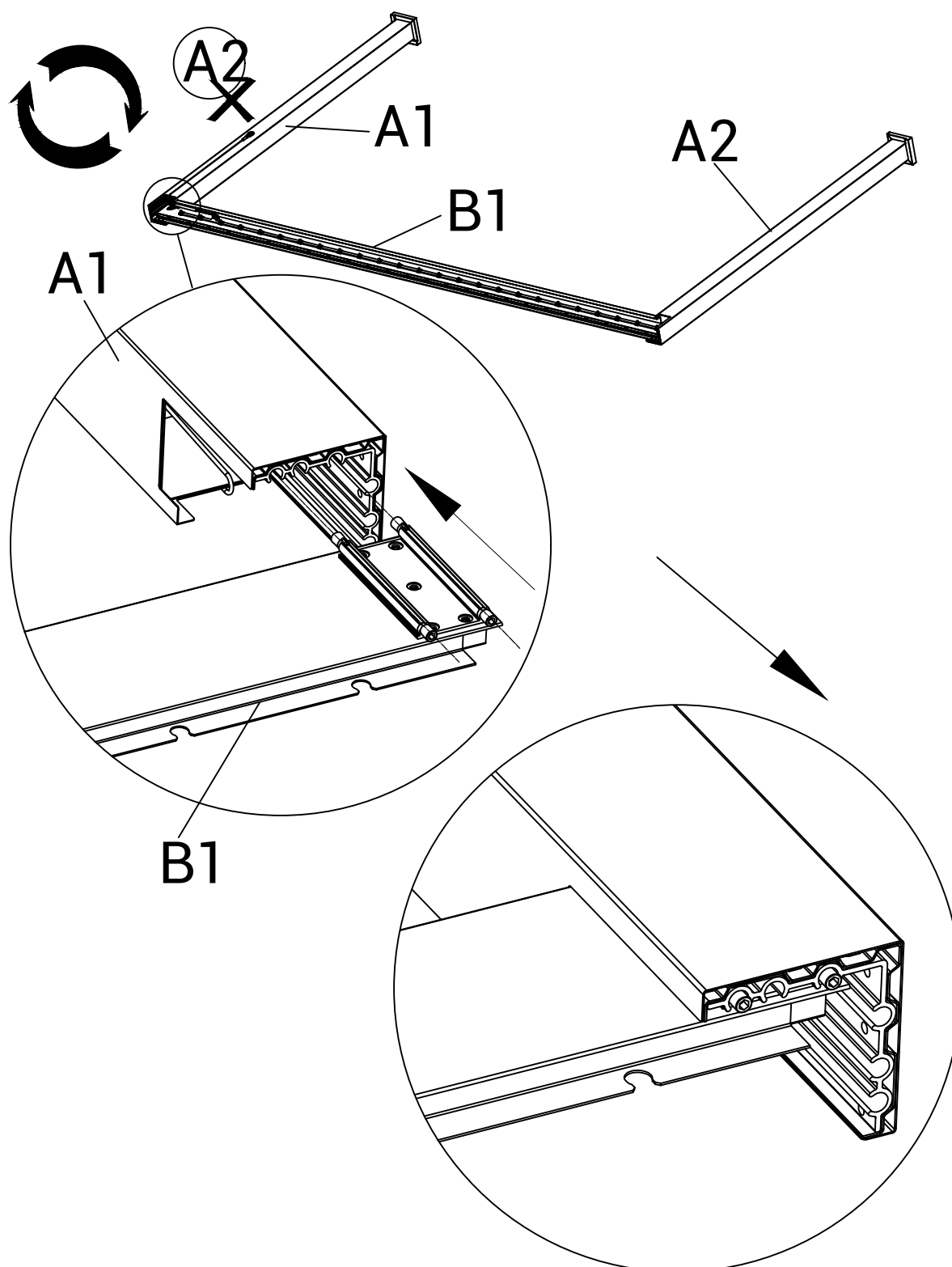
Step 3: Before fitting the beams, check that the tapered nuts at both ends are secure. If they are loose, hand-tighten them completely.



Step 4: Use screw BB to attach the connecting strip with the hydraulic rod D1 to beam B1.

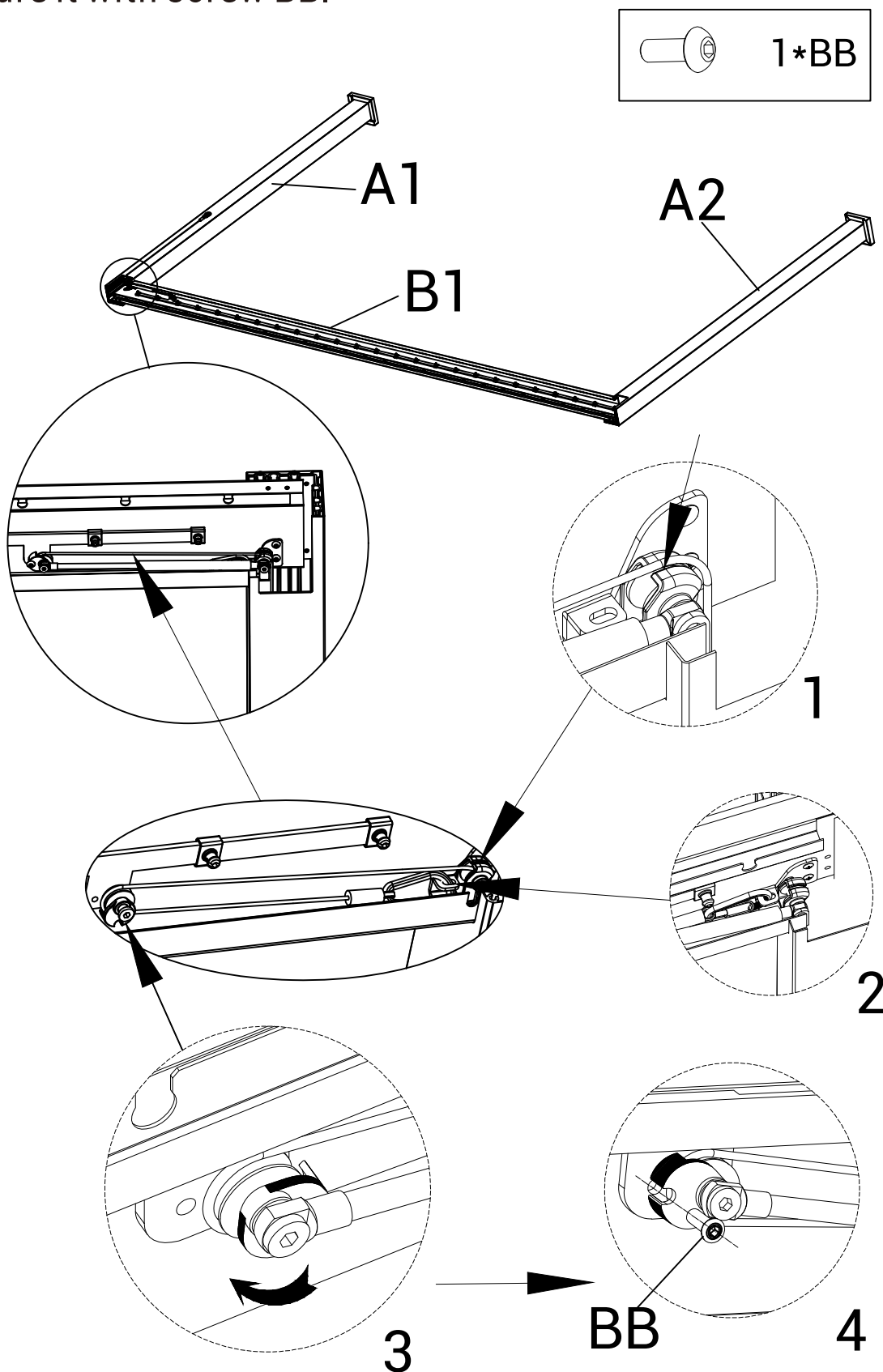


Step 5: Attach beam B1 to main Pillar A1 and Pillar A2.



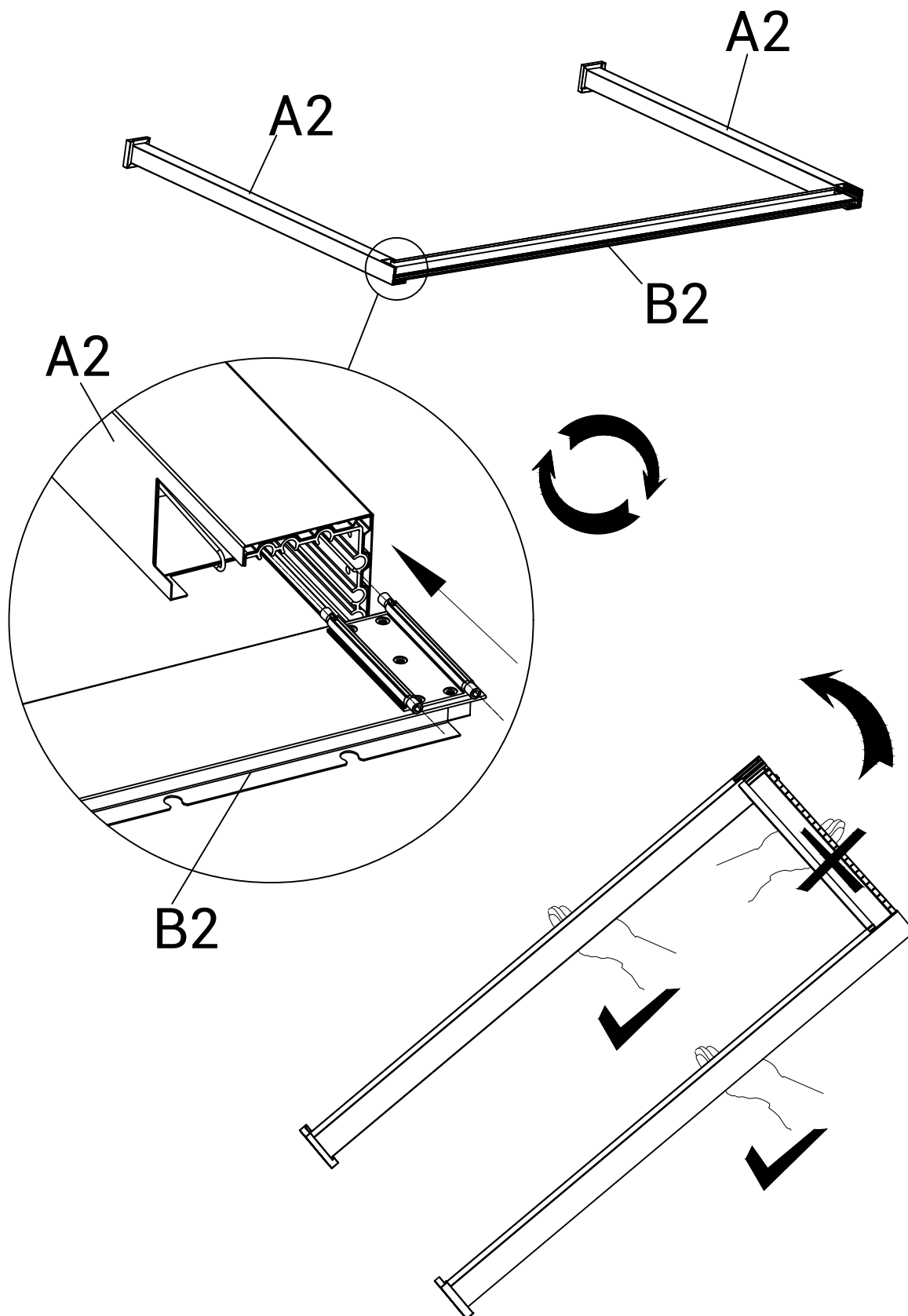
Step 6:

1. Take the rope with the carabiner located at the top of Main Pillar A1.
2. Pass the rope over the pulley on the hydraulic rod above Beam B1.
3. Clip the carabiner into the groove to lock it.
4. Secure it with screw BB.

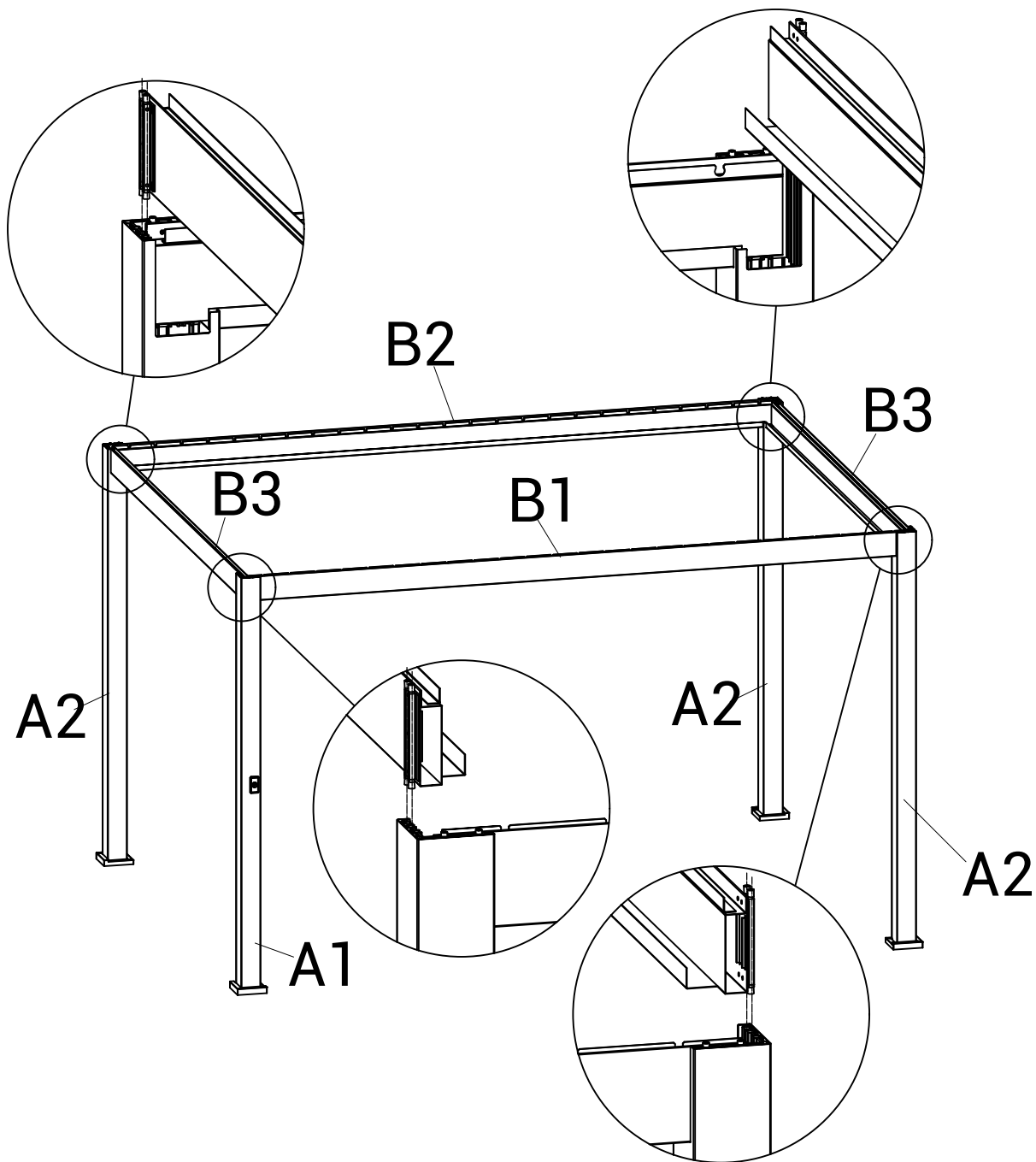


Step 7: Attach Beam B2 to Pillar A2.

Note: When moving the assembled frame, hold the pillar to move it. Do not lift the beam to avoid loosening and injury, as the beam is not yet fully secured.

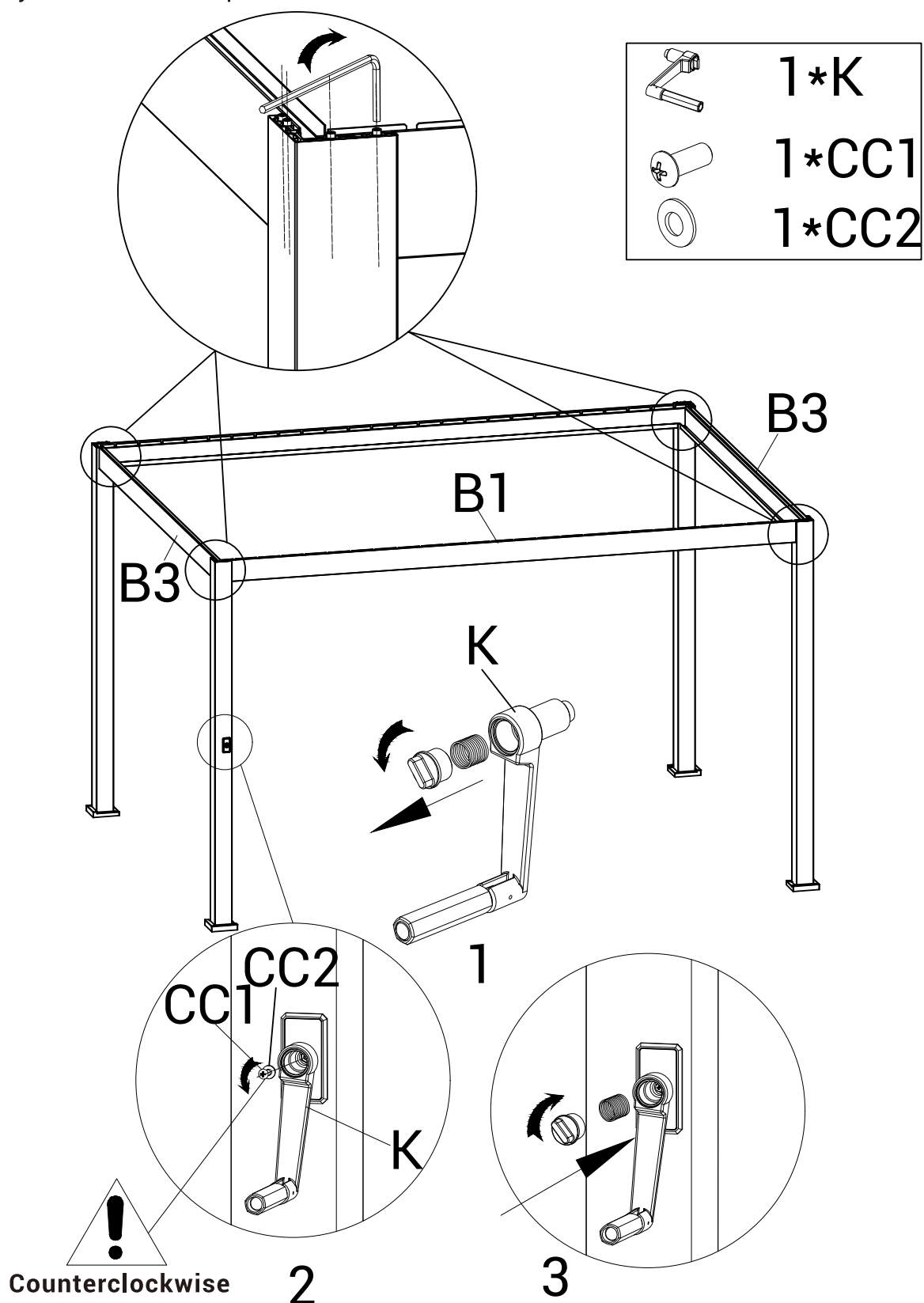


Step 8: Use Beam B3 to connect the other beams and pillars to construct the basic structure of the pergola.

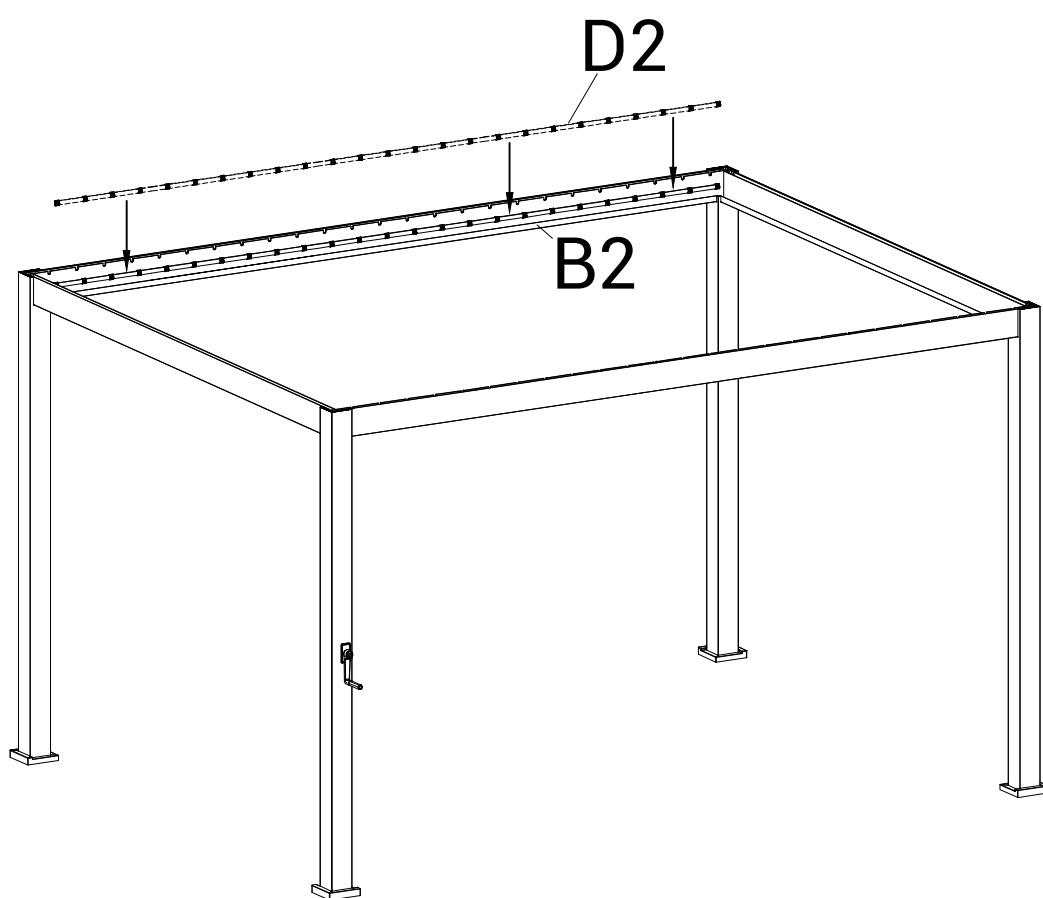
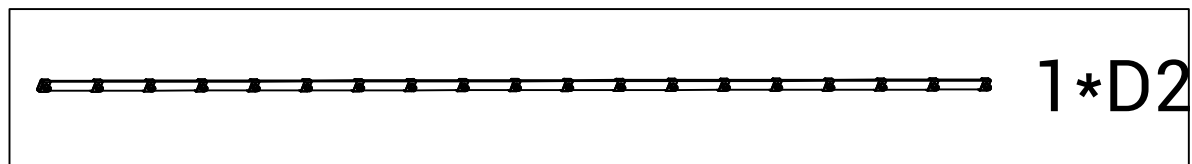


Step 9:

1. Use a medium-sized wrench to tighten the nuts at the top of the pillars, ensuring the pillars and beams are securely fastened.
2. Install the crank handle onto main pillar A1 by unscrewing the cap of the handle.
3. Secure it with screw CC1 and washer CC2. Note that the CC1 screw tightens counterclockwise.
4. Finally, reattach the cap of the crank.

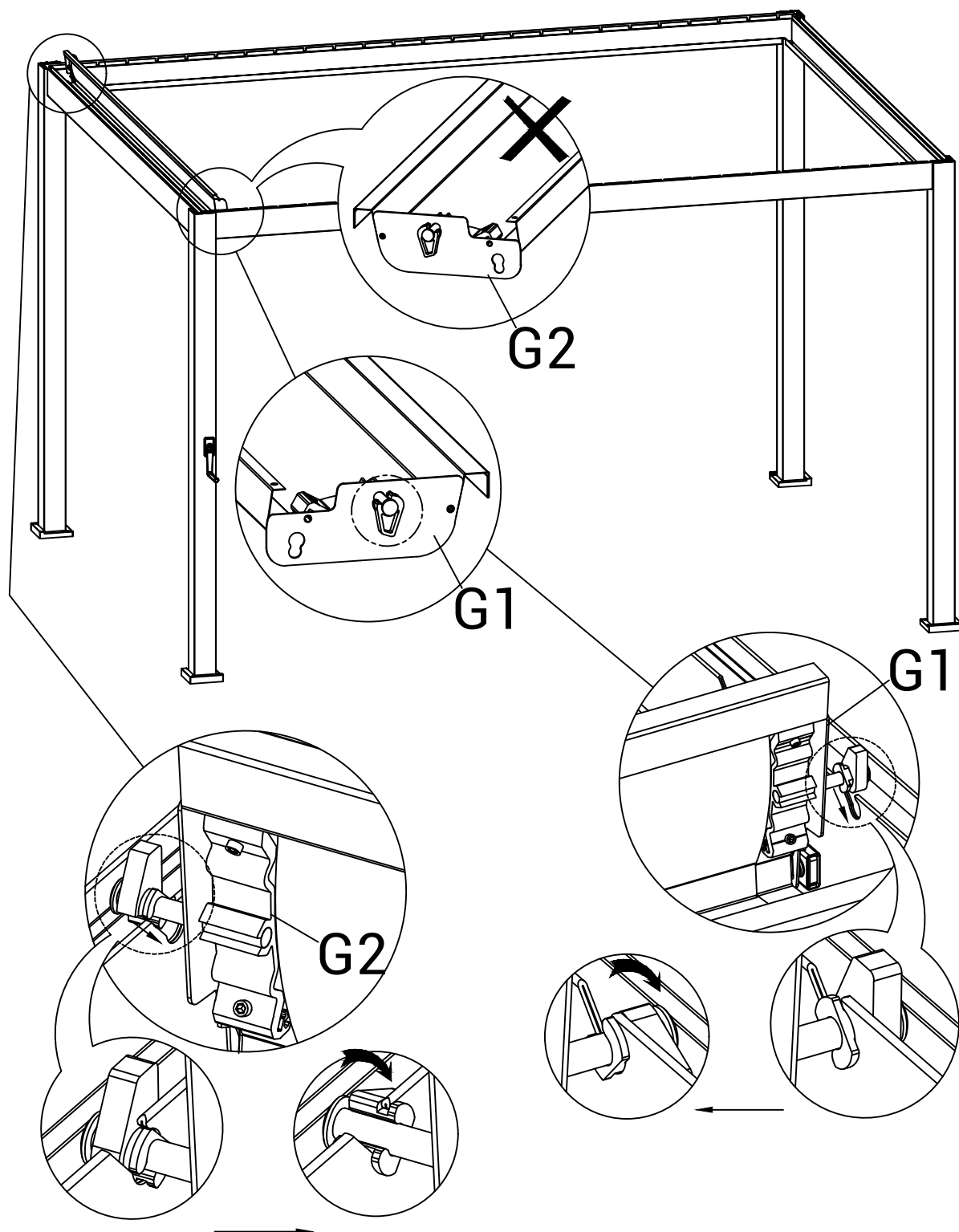


Step 10: Attach connecting strip D2 to beam B2.

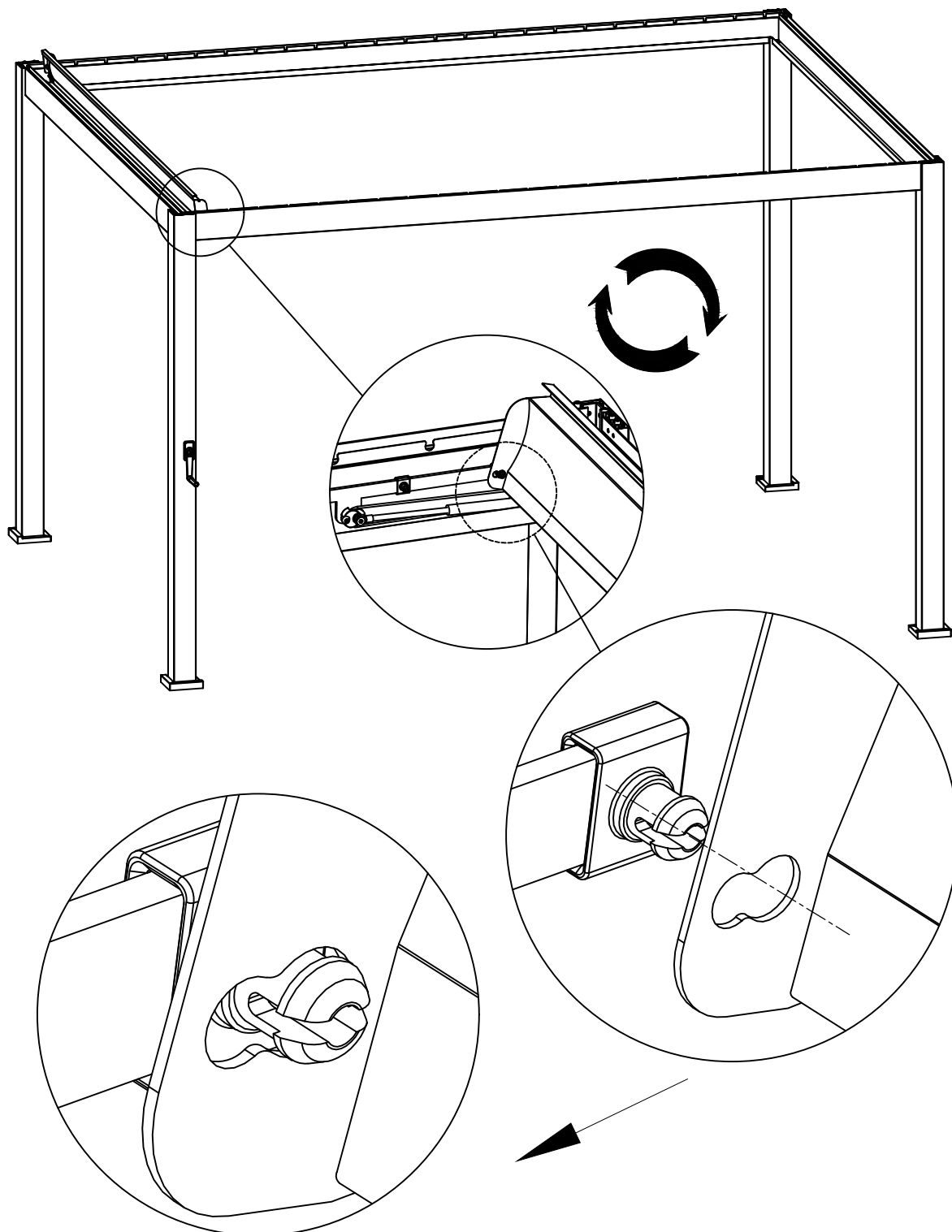


Step 11: Attach the Louver C to the beam B1 and B2.

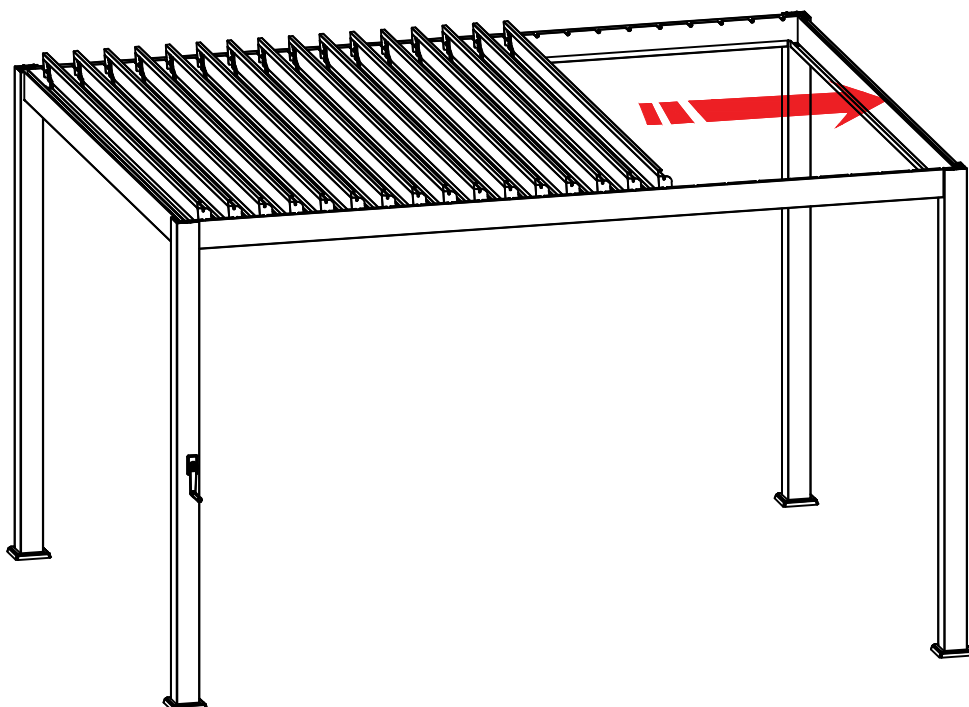
Note: Side G1 should be positioned near main pillar A1. Ensure you engage the clips at both ends, G1 and G2, to lock them securely, connecting the louver tightly to the connecting strip.



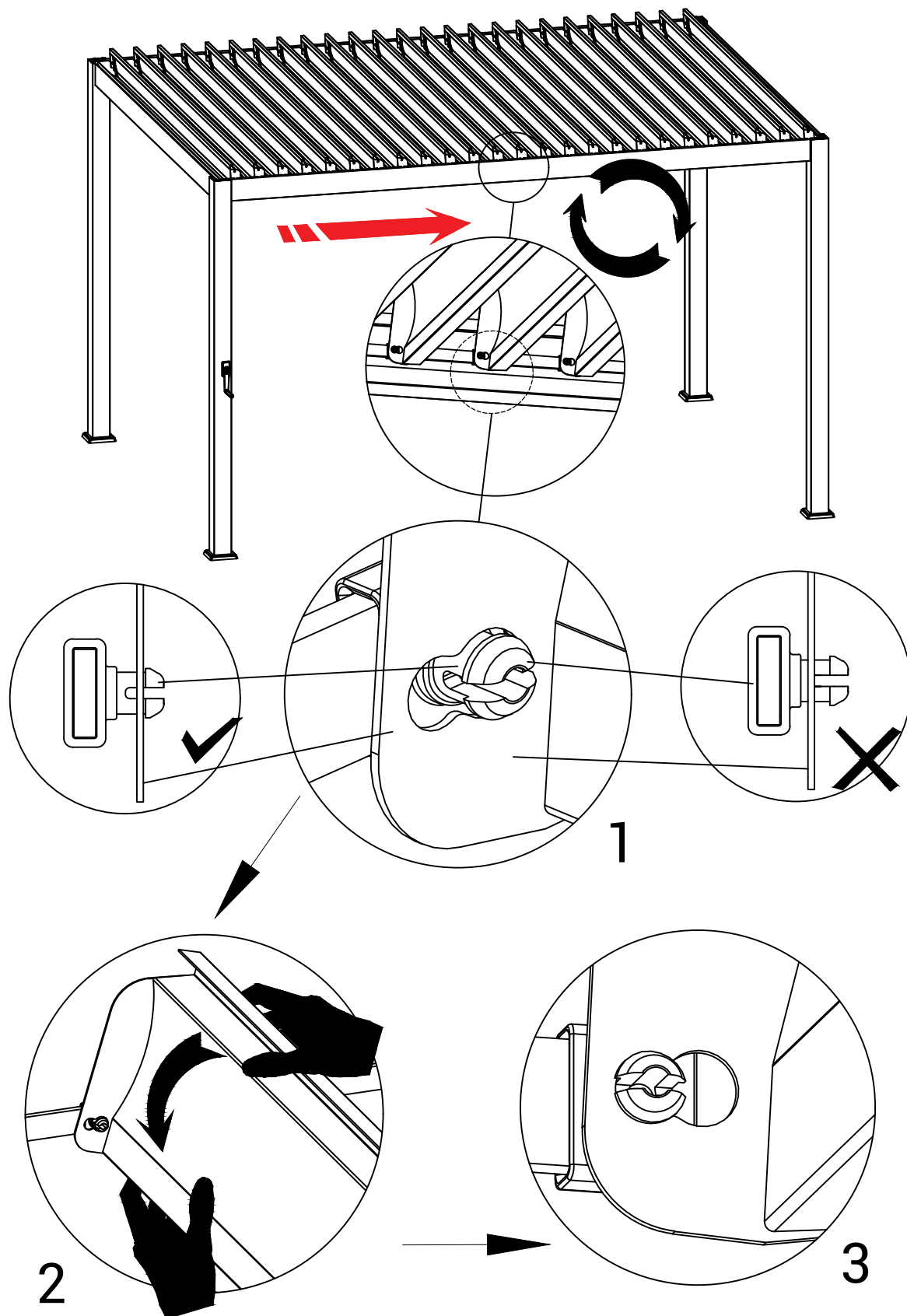
Step 12: Ensure that the protruding plastic part of the connecting strip's is completely within the large hole of G1.



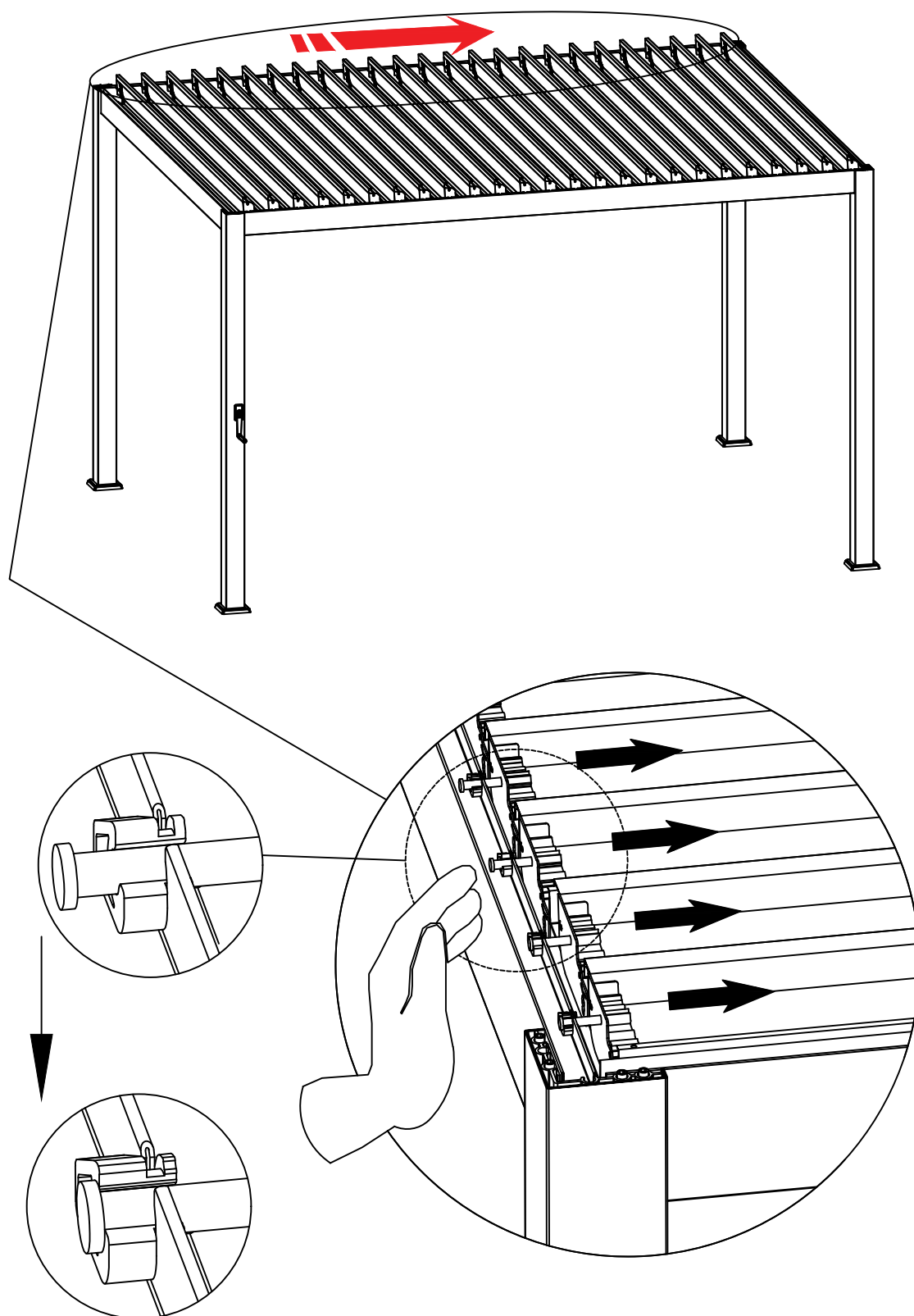
Step 13: Repeat the above steps to complete the assembly of all the louvers.



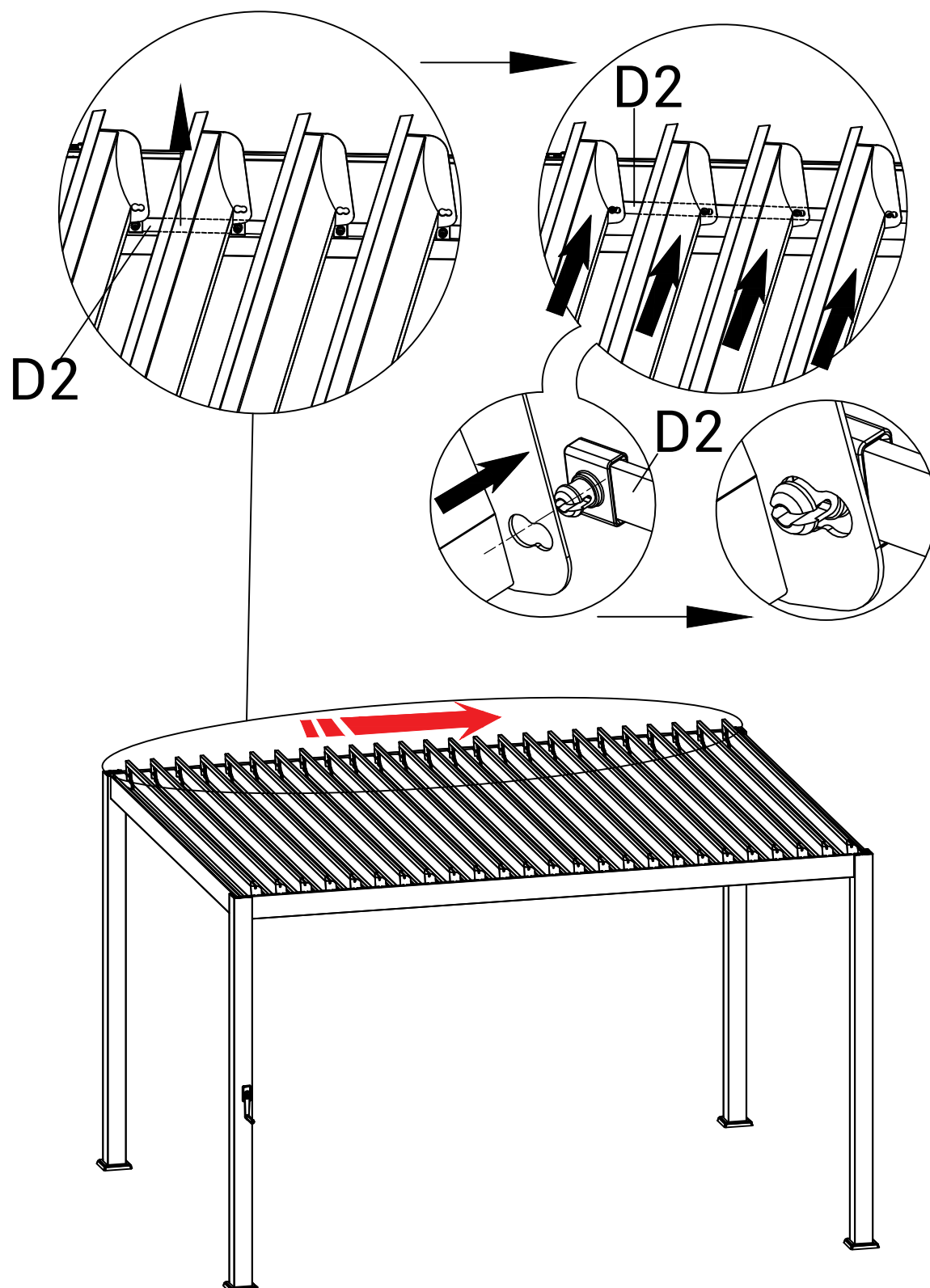
Step 14: Push the louver by hand so that the small hole of G1 completely locks into the connecting strip, achieving the best fastening effect.



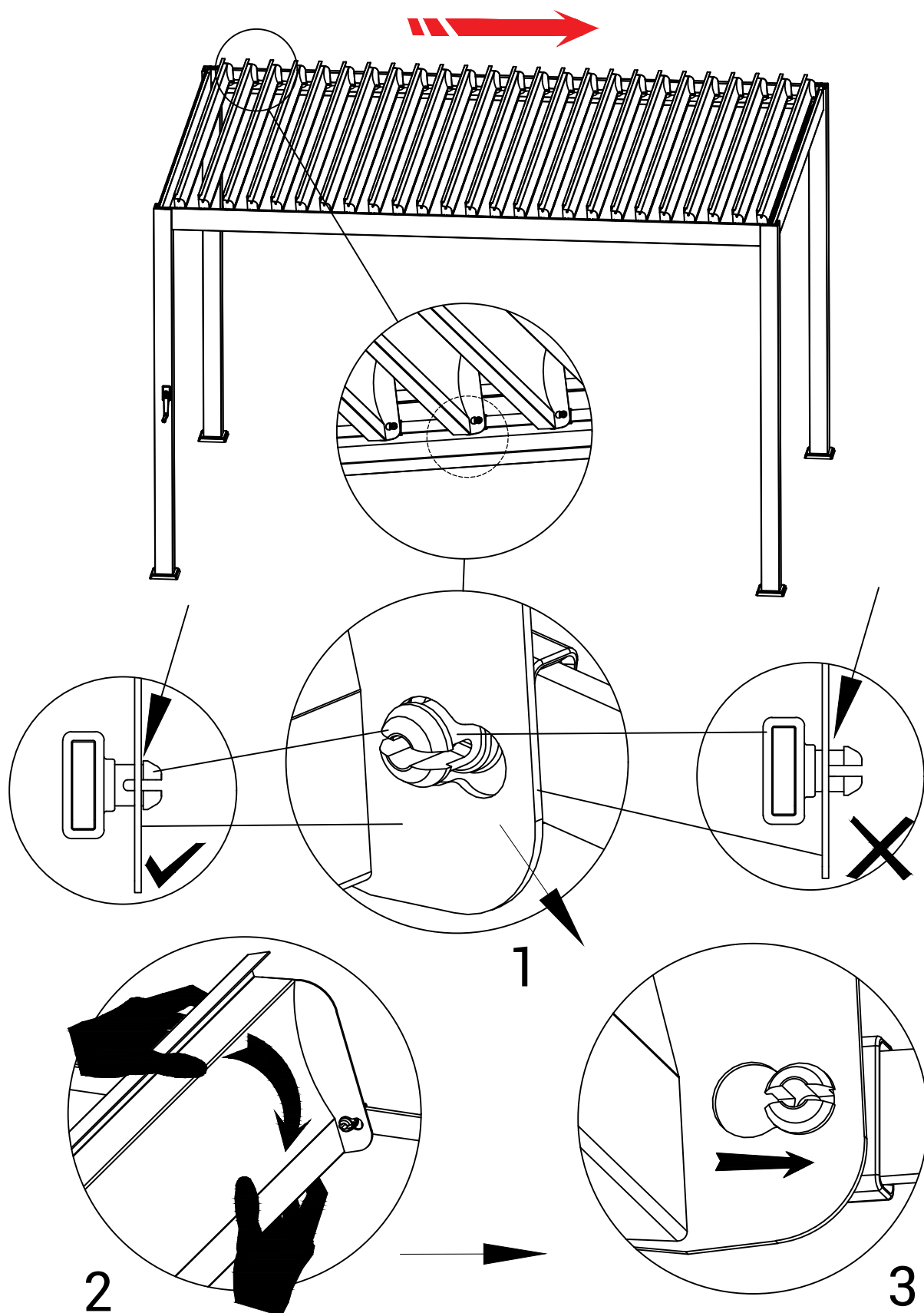
Step 15: Stand on the side of G2 at the other end of the louvers and push the louvers as shown to create enough clearance between the G2 end of the louvers and the beam to connect the louvers to connecting rod D2.



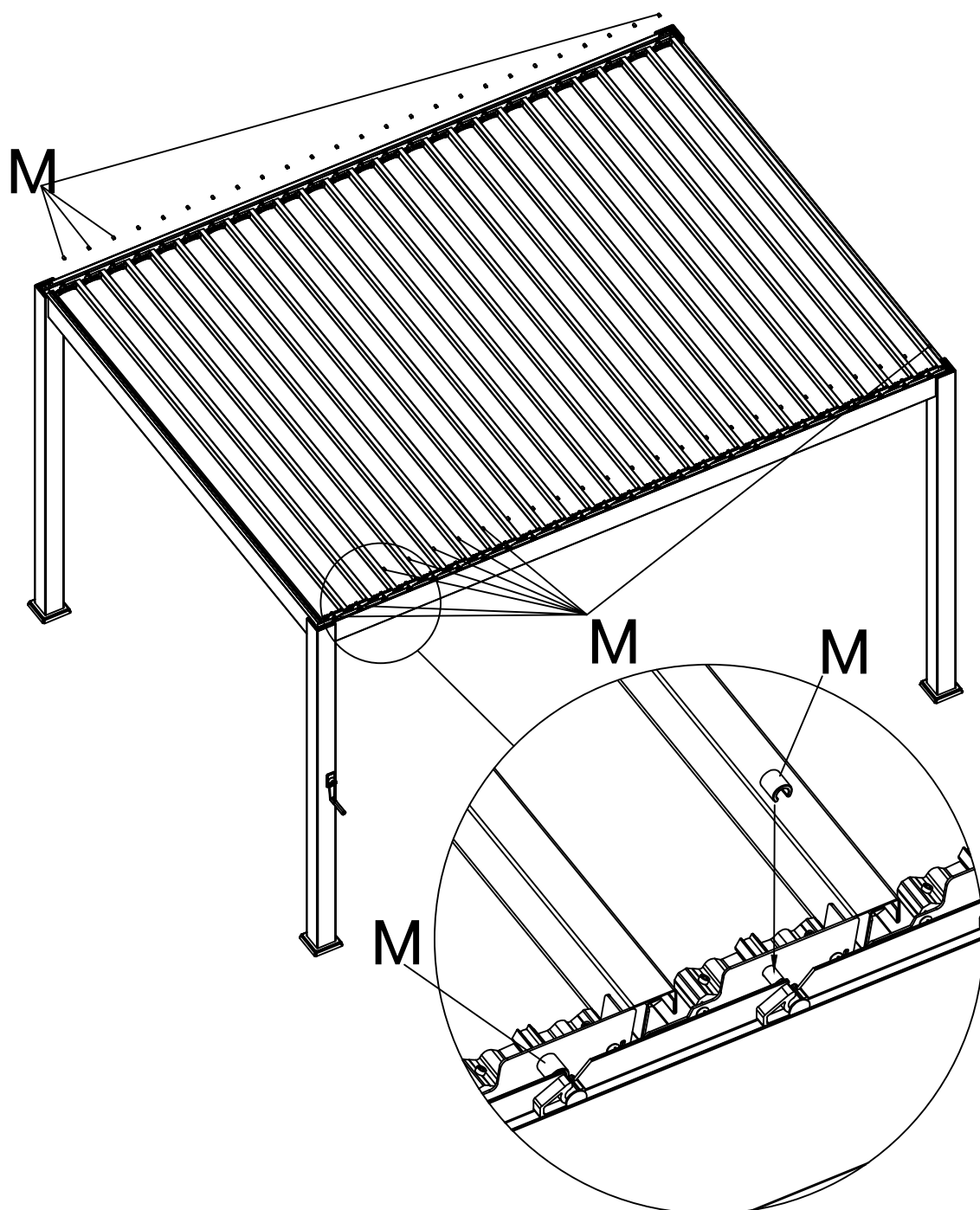
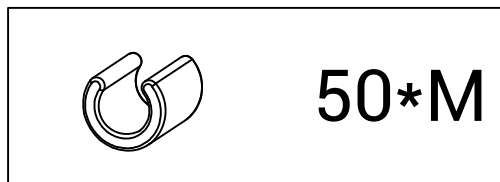
Step 16: Similarly, ensure that the large hole on the side of the louvers labeled G2 is connected to the connecting strip.



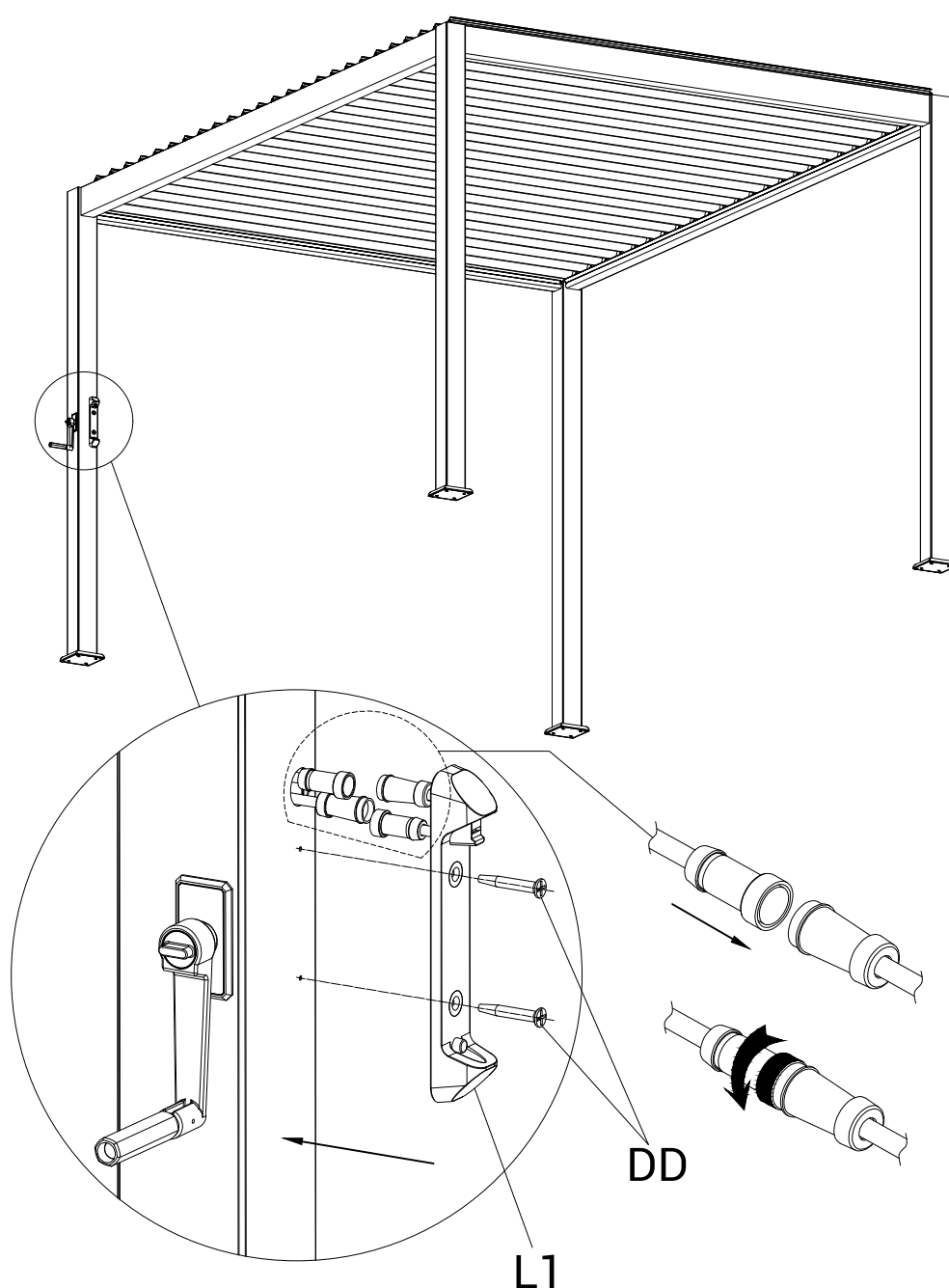
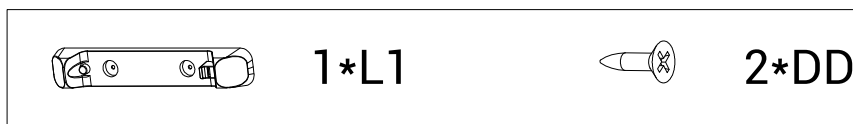
Step 17: Push the louver by hand so that the small hole of G2 completely locks into the connecting strip, achieving the best fastening effect.



Step 18: Use the plastic sleeve M at the connection between the louvers and the beam to prevent the louvers from moving side to side.

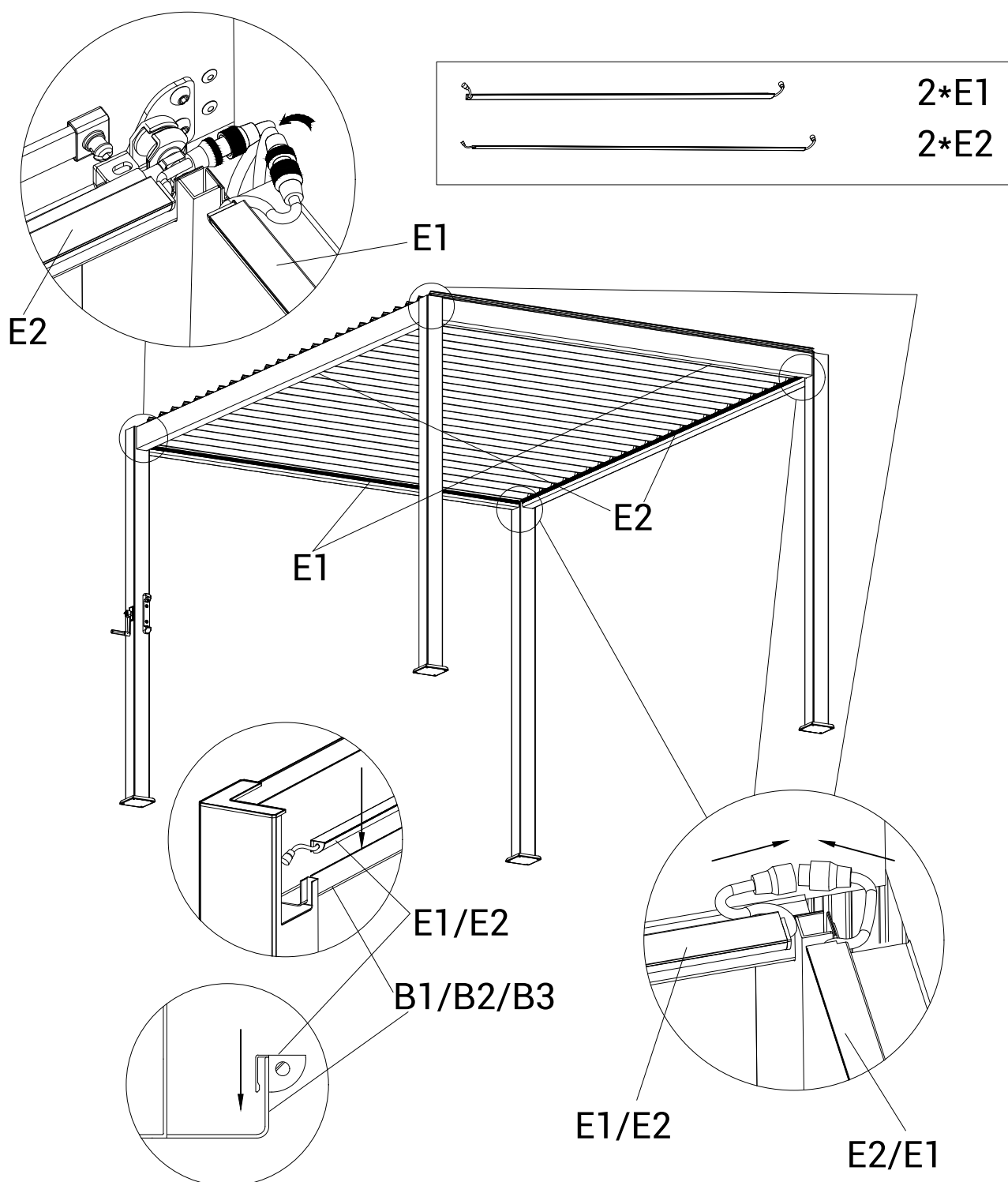


Step 19: Attach the controller base L1 to the A1 pillar using self-tapping screws DD. Then, connect the wires from the controller base to the plugs on the A1 pillar.



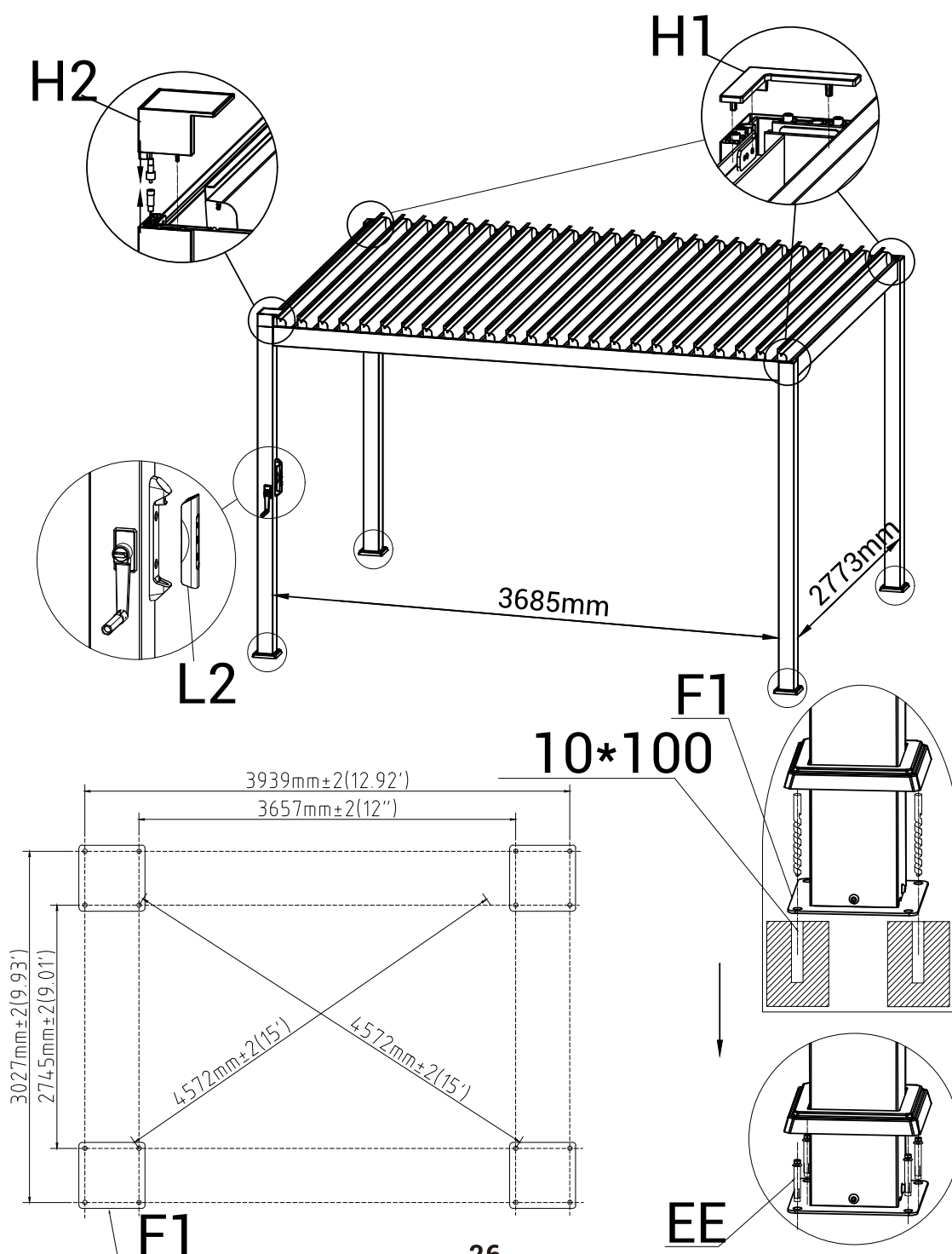
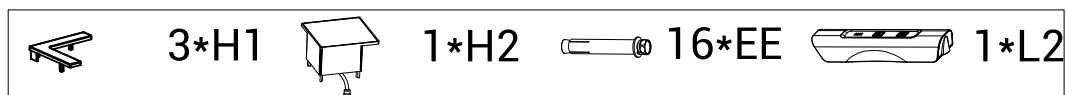
Step 20:

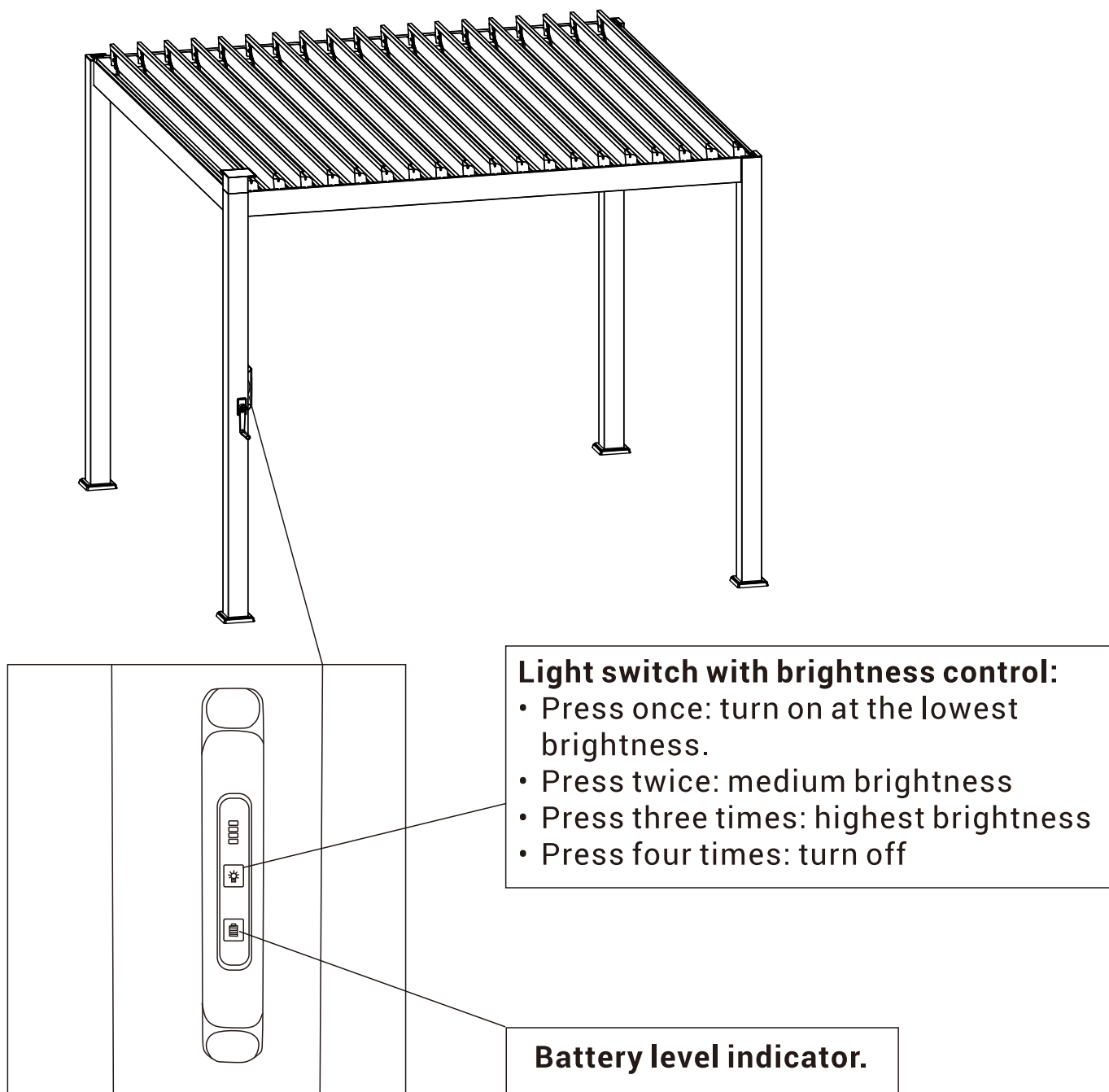
- Hang the light strips E1 and E2 in the groove above the beam as shown in the diagram.
- Remember to connect the E1 and E2 light strips near the sides of pillar A1 using the male and female connectors to the wires on pillar A1.
- The light strips on the sides of the A1 pillar should connect to the internal wires, while the others should connect to each other using male and female connectors.



Step 21:

1. Attach the pillar cover H to the top of the three pillars.
2. Use a 10x100mm drill bit to drill through the pillar plate F1 into the ground, and then secure it with expansion screws EE. The drill bit is not included with the product.
3. Connect the solar panel H2 cable to the pillar's power line, secure it on top of pillar A1, and place controller L2 in its base.

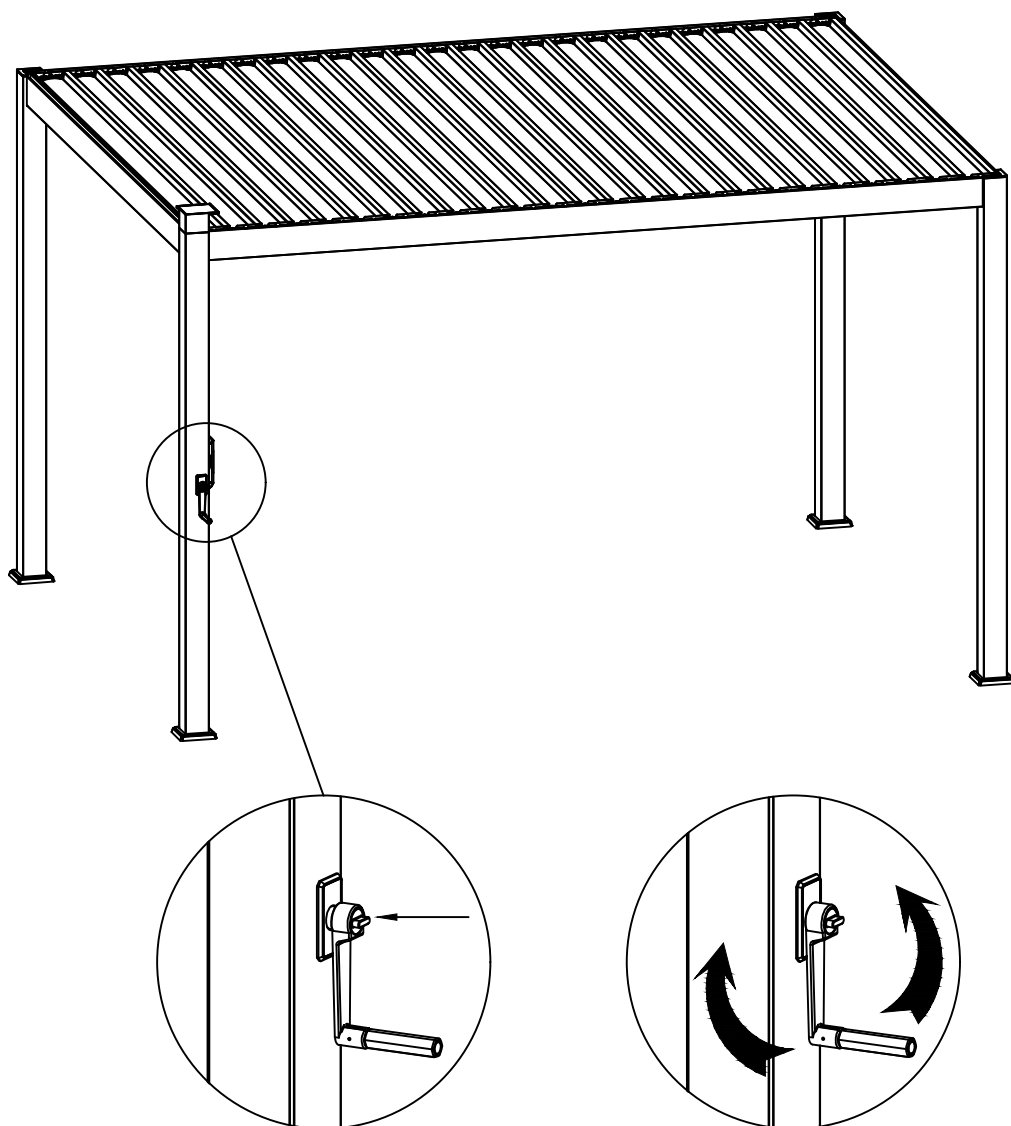




L3 X 1

- If the weather conditions remain poor, you can use the charging cable L3 to charge the controller. Once fully charged, place it back on the charging base to use the LED light strip normally.
- For your convenience, we have provided 2 controllers.
- In addition to controlling the light switch and brightness, the controller also stores electrical energy. It is essential for the normal operation of the LED light.

Note: This product is designed to withstand up to 8 inches of accumulated snow and winds ranging from 39-46 mph. In the event of heavy snowfall, it is recommended to open the louvers to prevent excessive snow load.



Push the handle towards the pillar about 0.4 inches. At this point, you can adjust the rotation angle of the handle without affecting the opening and closing of the top louvers.