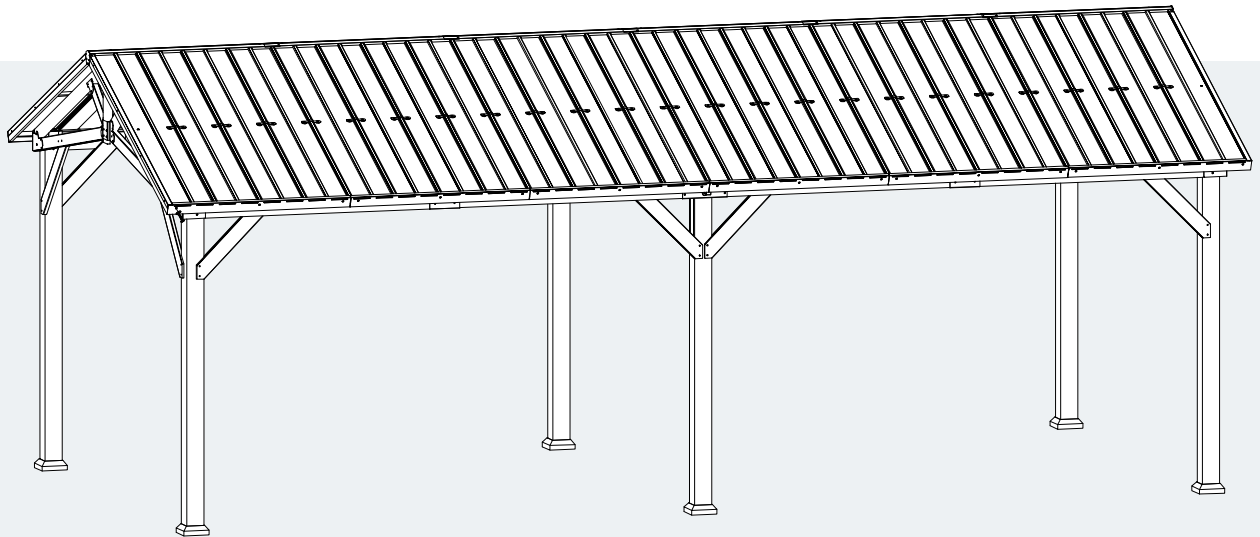


Carpport

Assembly Instruction - Please keep properly for future reference.

If you find any missing boxes, damaged parts, or accessory shortages, please contact the customer service team of your purchasing channel immediately. We will resolve the issue as quickly as possible.



12x24 FT

CONTACT US

- **Email: service@grandtunnel.com**
In order to receive assistance more quickly, please provide

THE FOLLOWING INFORMATION:

- Order number
- Purchase platform
- Purchase date
- Detailed description of the issue along with photos (if applicable)

Important - Please read these instructions carefully before starting the installation.

EN

Before Assembly



Thank you for choosing this product!

To ensure safe use and long-term maintenance, please read this manual carefully and keep it properly for future reference.

Pre-installation Notes

1. Assembly requires five or more people.
2. It is recommended to use a ladder during assembly.
3. Ensure all necessary accessories are prepared before assembly.
4. Assembly is not recommended during heavy wind or rain.
5. Assembly is recommended on level ground.

Safety Warnings



Tool Preparation:

Prepare commonly used tools in advance, such as an electric drill, level, ladder, and gloves.

Foundation Recommendations:

If the ground is not concrete, it is recommended to reinforce the base or purchase an additional foundation kit beforehand.

Regular Fastener Inspection:

Inspect bolts and connectors every quarter. Tighten any loose hardware as needed.

Post-Rain Drainage Notice:

Clear standing water from the roof to prevent deformation or corrosion caused by water accumulation.

Keep Children Away:

Ensure children stay clear of the installation area and the carport structure during and after assembly to avoid injury.

Follow the Installation Instructions Precisely:

Always follow the step-by-step instructions provided in the manual. Do not skip or rearrange steps, as this may result in instability or incorrect assembly.

Experienced Personnel Recommended:

If you lack DIY experience, the product should be assembled by at least five people with proper installation knowledge, or with professional assistance.

Read the Manual Thoroughly Before Starting:

Be sure to read the entire manual carefully before starting installation. Understanding the structure and process is essential to avoid injury or errors.

Use Personal Protective Equipment (PPE):

Wear anti-slip gloves, safety shoes, and protective eyewear during installation to avoid injury from sharp edges, falling parts, or tools.

Risks of Improper Installation:

Improper assembly may lead to collapse, bolt failure, wood cracking, or injury, compromising both safety and product longevity.

Customer Service Guide



Thank you for choosing our product! We are committed to providing you with excellent service. If you find any missing parts, damaged packaging, or product damage after receiving all packages, please follow the steps below to quickly contact our customer service team. We will do our best to resolve your issue.

1. Missing Parts

Verify Parts:

1. Refer to the “Parts List” in the manual to verify the name, specifications, and quantity of the missing parts.
2. Take a clear photo of the parts list and mark the missing parts with detailed information, e.g., “Missing 5 pieces of M6×30mm screws.”

Contact Us:

By Email:

Send an email to service@grandtunnel.com, with the subject line “Missing Parts Issue.” Include the following in the email:

- A description of the missing parts and a photo of the parts list.
- Order details (order number, purchase platform, purchase date).

2. Product or Packaging Damage

If it affects normal use:

Steps:

1. Take clear photos or videos showing the damaged parts and the extent of the damage (multi-angle shots are recommended).
2. Email the photos/videos along with order details to service@grandtunnel.com, with the subject line "Product Damage Issue."

Resolution:

After verification, we will arrange for a replacement part, product exchange, or refund as quickly as possible.

If it does not affect normal use:

Steps:

1. Contact our customer service team (by email: service@grandtunnel.com).
2. Provide a description of the damage and include relevant photos or videos.

Resolution:

We will provide repair guidance or an appropriate compensation plan based on the specific situation.

Contact Us:

Customer Service Email: service@grandtunnel.com

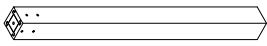
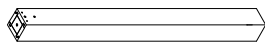
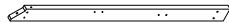

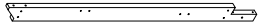






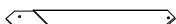

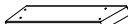
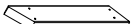
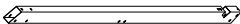
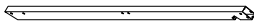
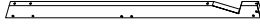


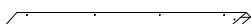




Helpful Tips

To process your issue efficiently, please prepare the following information:



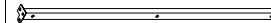







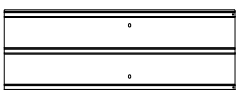




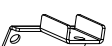

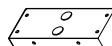


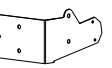




- Order details (order number, purchase platform, purchase date).
- Clear photos or videos.
- We are committed to providing quick and professional solutions, no matter the size of the issue, to ensure your satisfaction.

Thank you for your trust and support!
We hope you enjoy using our product!






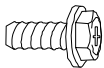
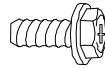
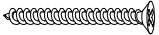
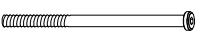



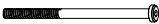



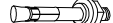
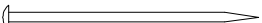
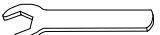

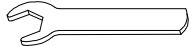

Parts List

21	22	23	24	25
				
x4	x2	x4	x2	x2
26	27	28	29	31
				
x2	x2	x2	x4	x2
32	33	34	35	36
				
x2	x4	x4	x2	x2
B1	B2	B3	B4	D4
				
x4	x4	x1	x1	x2
K1	K2	K3	K4	P
				
x2	x2	x2	x4	x4

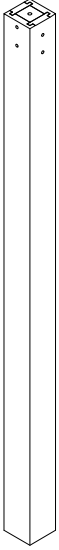
Parts List

(K5)	(K6)	(K7)	(K8)	(L1)
				
x4	x8	x4	x8	x4
(L2)	(L3)	(L4)	(J1)	(J2)
				
x8	x2	x2	x2	x4
(Q)	(S)	(M1)	(M2)	(M3)
				
x48	x46	x6	x6	x8
(M4)	(M5)	(M6)	(M7)	(Y1)
				
x8	x4	x2	x1	x2
(Y2)	(Y3)	(Y5)	(Y6)	(Y7)
				
x2	x2	x2	x4	x2

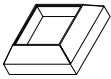
Hardware List

AA  M6x35 x24+5	BB  M6x20 x100+5	CC  M4x16 x20+5	DD  M6x40 x36+2	EE  M6x30 x48+3
FF  M6x20 x96+4	GG  M6x15 x206+10	H1  M5x80 x4+1	H3  M8x170 x20+2	H4  M5x25 x80+5
H5  M6 x24+5	H8  M8 x136+10	JJ  M6x110 x16+1	KK  M6 x96+5	LL  M8 x20+2
NN  M6x50 x12+1	UU  M6x80 x12	PP  D8x180 x12	Z1  M6 x2	Z2  M6 x2
Z3  M8 x2	Z4  M8 x2			

1



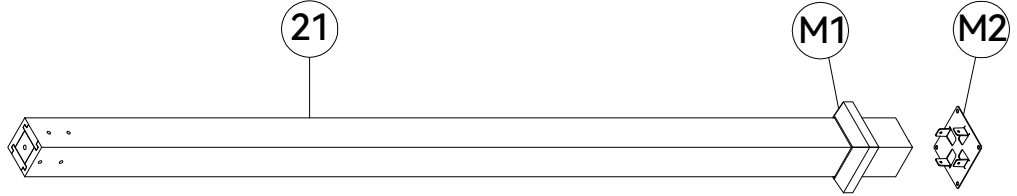
21 x4



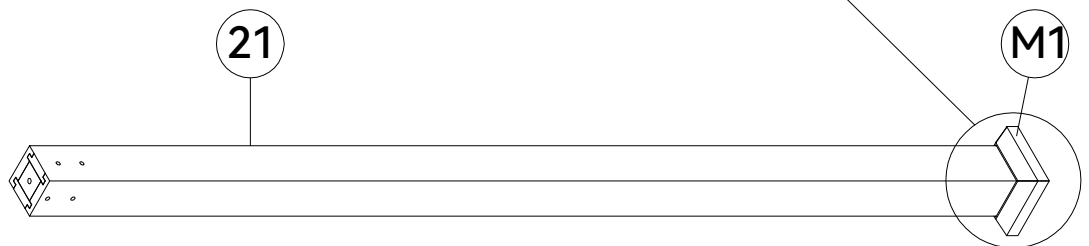
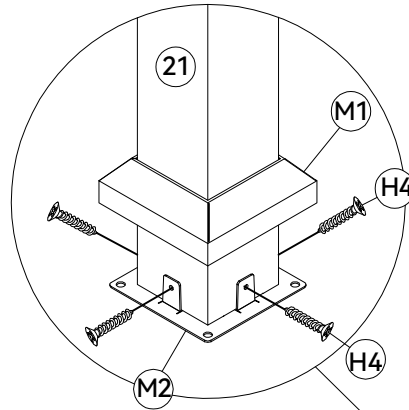
M1 x4



M2 x4



Insert (M1) into the bottom of (21). Place (M2) on a flat surface, then lower the bottom of (21) onto (M2). Secure with screw (H4) as shown in the diagram.



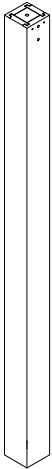
x4

H4 x16

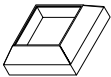


M5x25

2



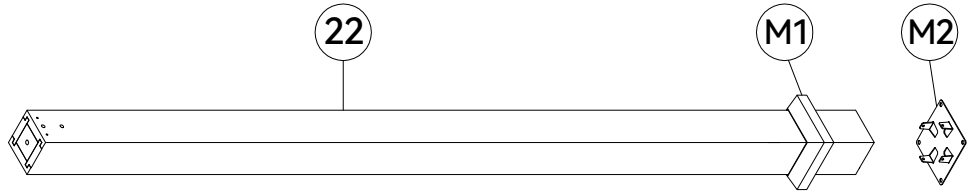
(22) x2



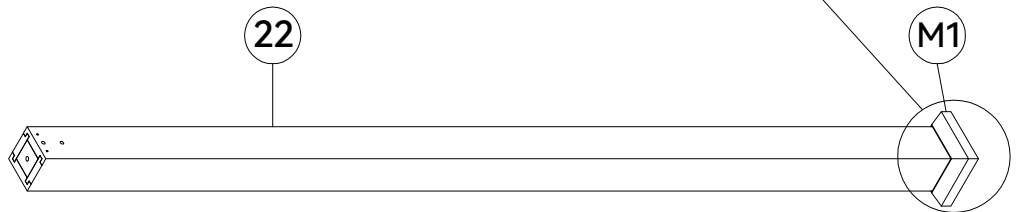
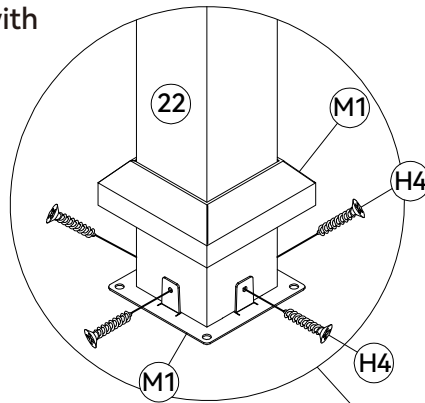
(M1) x2



(M2) x2



Insert (M1) into the bottom of (22). Place (M2) on a flat surface, then lower the bottom of (22) onto (M2). Secure with screw (H4) as shown in the diagram.



x2

(H4) x8



M5x25

3

23 x4

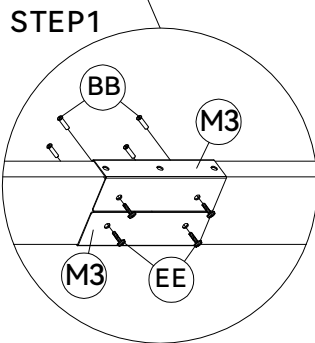
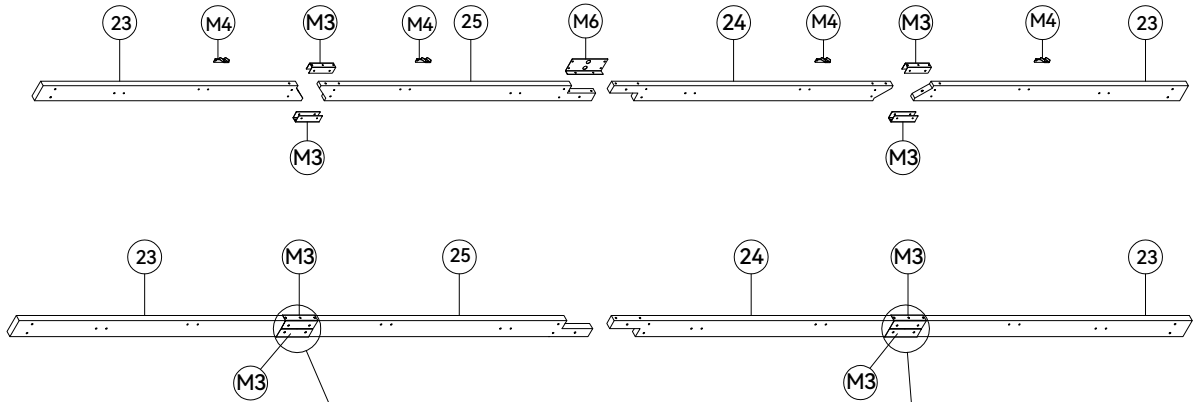
24 x2

25 x2

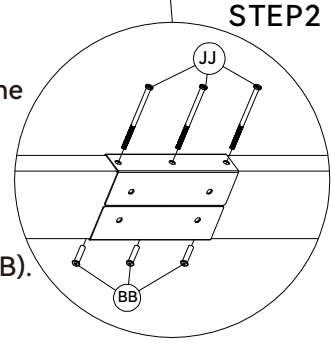
M3 x8

M4 x8

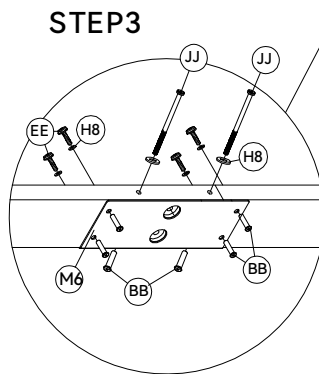
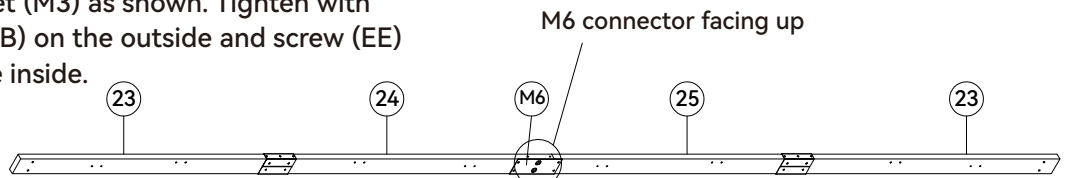
M6 x2



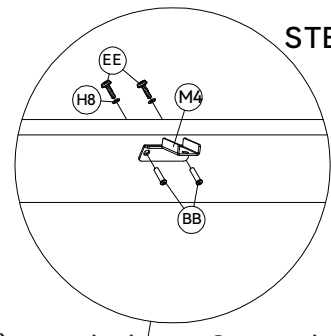
1. Connect (23) and (25) using metal bracket (M3) as shown. Tighten with nut (BB) on the outside and screw (EE) on the inside.



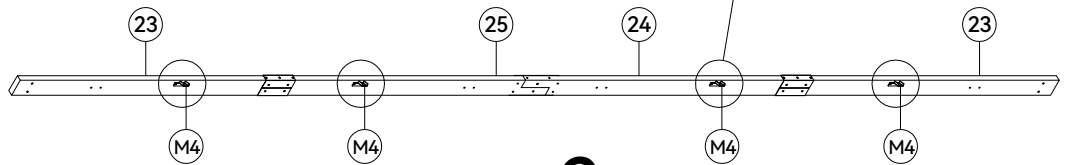
2. Tighten the top with screw (JJ), and secure the bottom with nut (BB).



3. Connect the two newly assembled parts: on the side with the stopper plate, secure with nut (BB); on the other side, tighten with screw (EE) + washer (H8). Bottom: nut (BB), Top: screw (JJ) + washer (H8).



4. Mount (M4) onto the beam. Secure through the holes with nut (BB) on one side and screw (EE) + washer (H8) on the other.

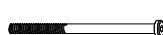


x2

H8 x28



JJ x16



BB x56



EE x40



M8

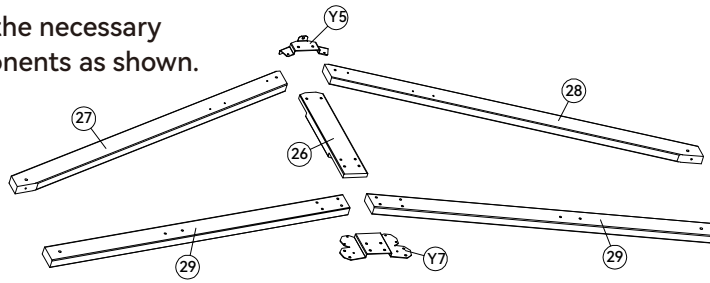
M6x110

M6x20

M6x30

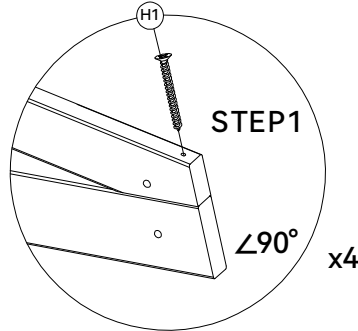
4

Place the necessary components as shown.

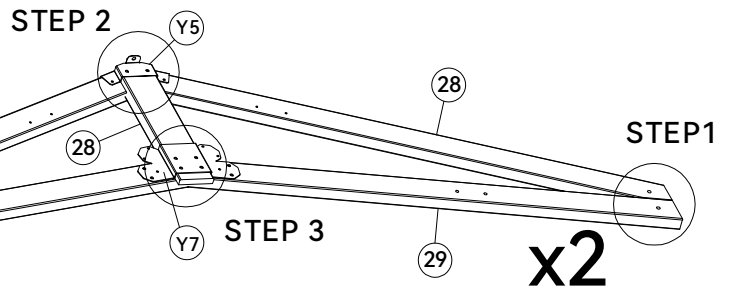


26 x2

1. Secure (27) and (29) with screws (H1).
2. Secure (28) and (29) with screws (H1).

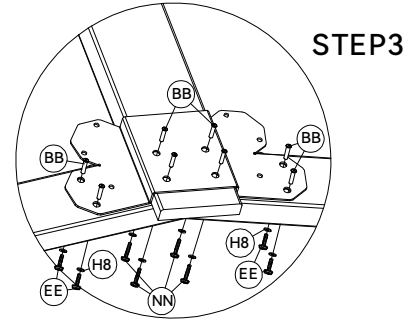
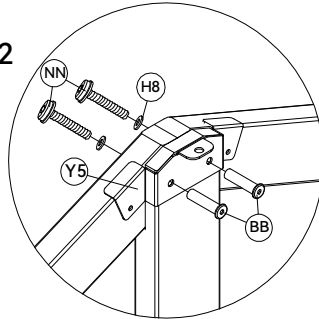


27 x2



28 x2

STEP 2

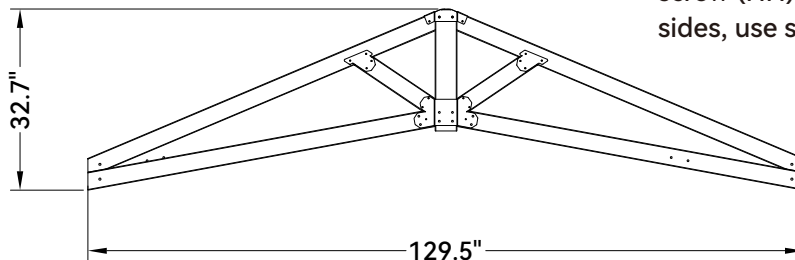


STEP 3

Connect (Y5): one side with nut (BB), the other with screw (NN) + washer (H8).

Fix (Y7): one side all with nut (BB); at the center (where part 28 is), use screw (NN) + washer (H8); on both sides, use screw (EE) + washer (H8).

29 x4



Y5 x2

H1 x4



M5x80

Y7 x2

H8 x20



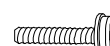
M8

EE x8



M6x30

NN x12



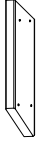
M6x50

BB x20



M6x20

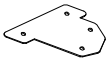
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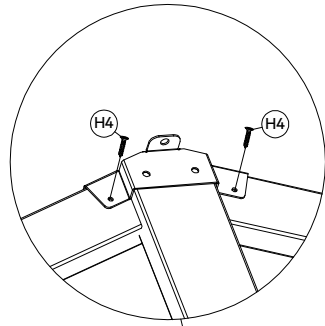
35 x2



36 x2

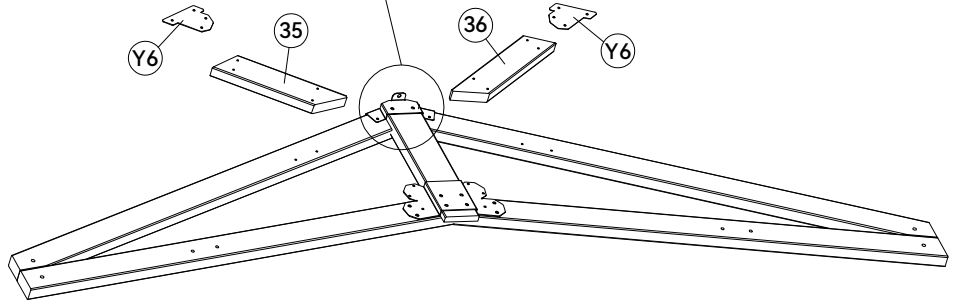


Y6 x4



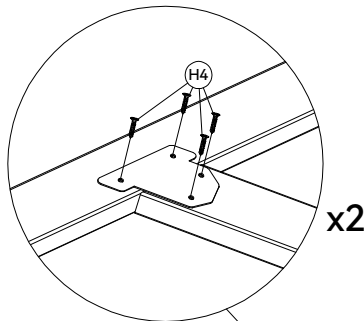
x2

Secure both ends of (Y5) with self-tapping screws (H4).

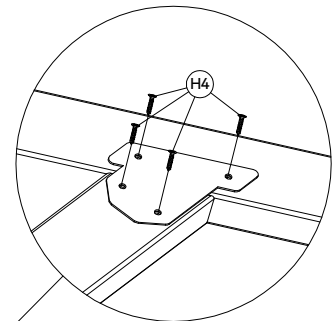


Attach (35) and (Y6) using self-tapping screws (H4).

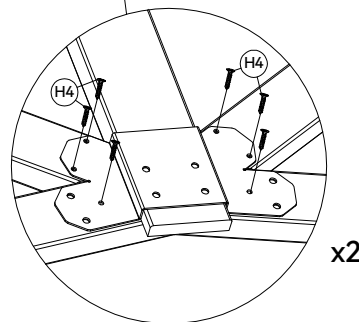
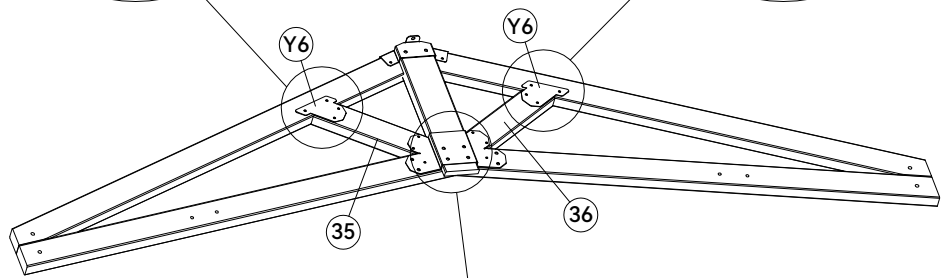
Attach (36) and (Y6) using self-tapping screws (H4).



x2



x2



x2

H4 x32



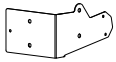
M5x25

6

3. Connect the middle beam to post (22): screw (H3) + washer (H8) on one side, nut (LL) + washer (H8) on the other.



Y1 x2

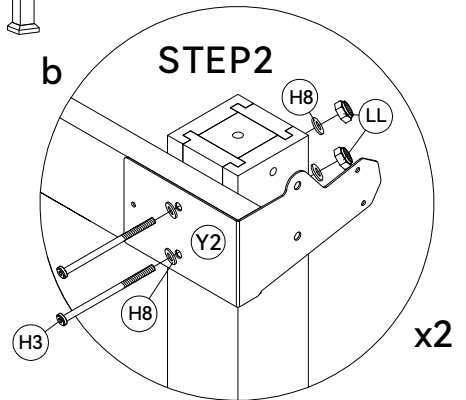
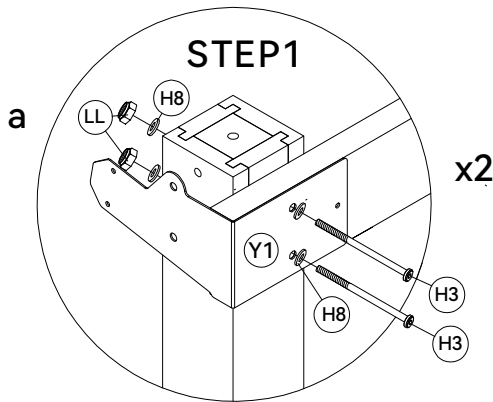
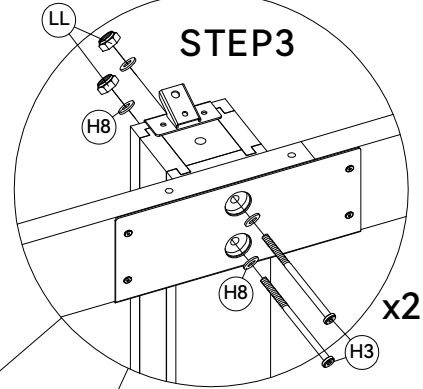
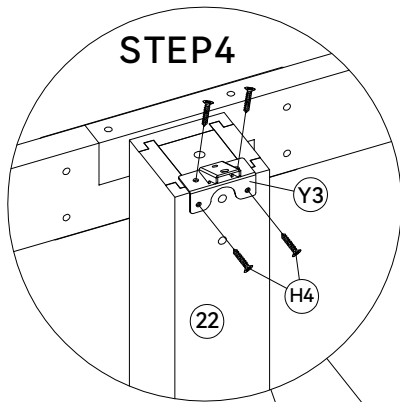
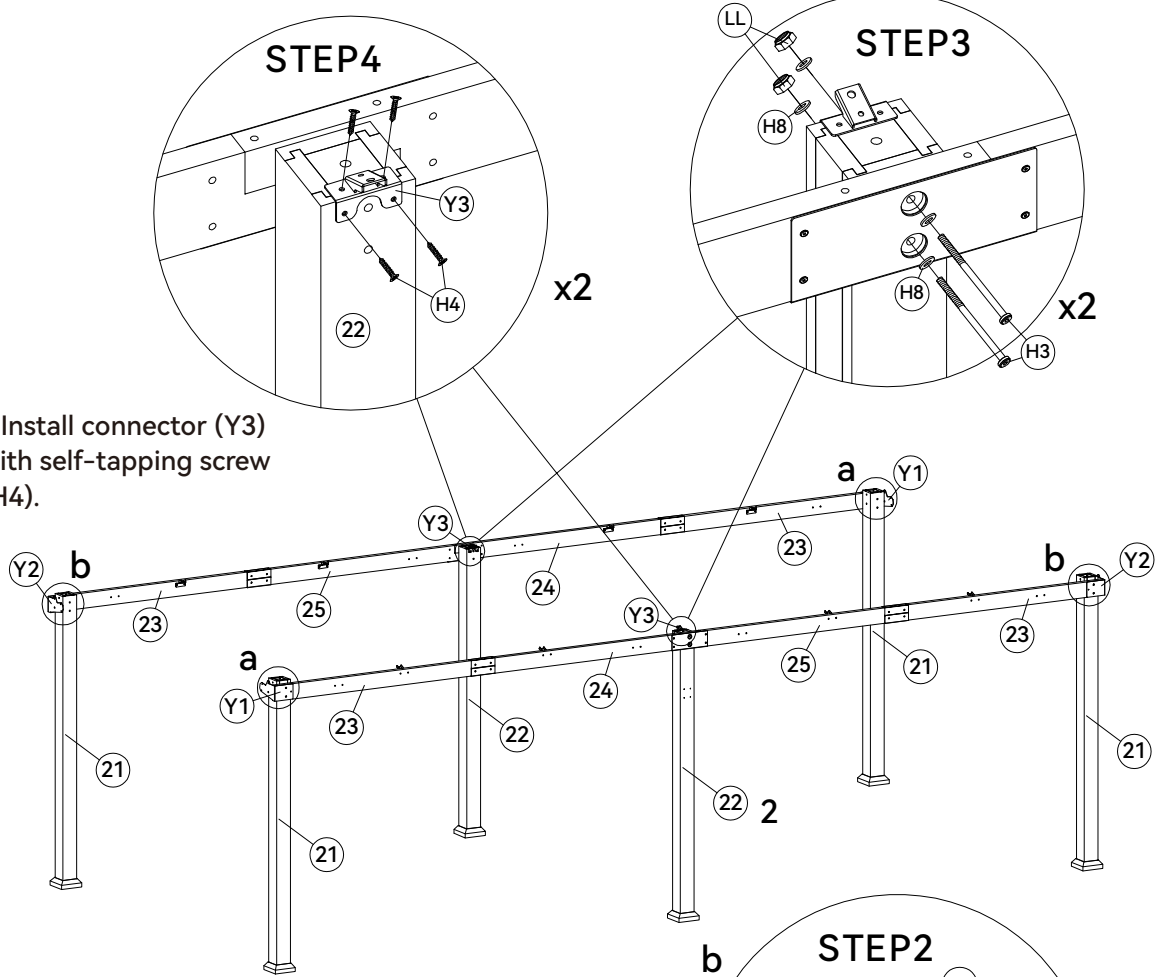


Y2 x2



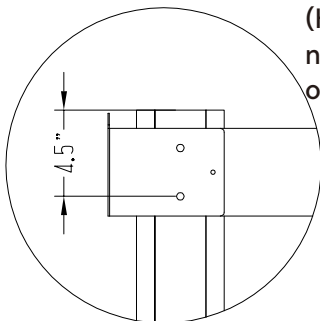
Y3 x2

4. Install connector (Y3) with self-tapping screw (H4).



2. Connect (Y2) similarly to (21) as above.

1. Connect corner plate (Y1) to the beam and post (21): screw (H3) + washer (H8) on one side, nut (LL) + washer (H8) on the other.



H4 x8



M5x25

H8 x24



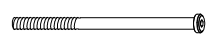
M8

LL x12



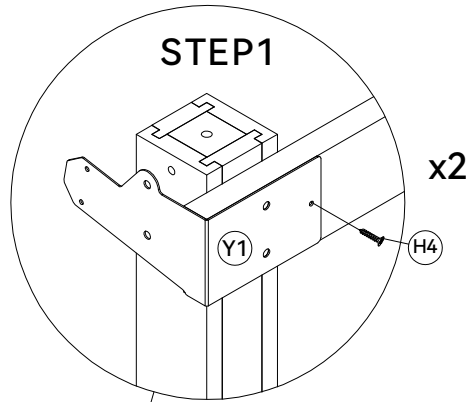
M8

H3 x12

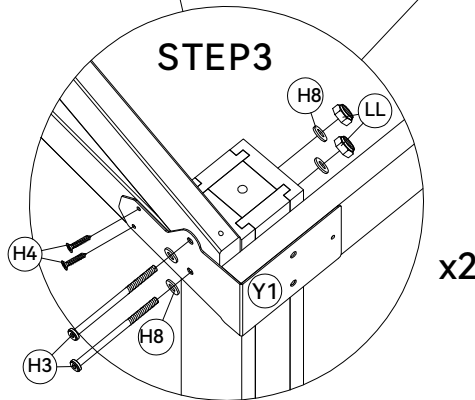
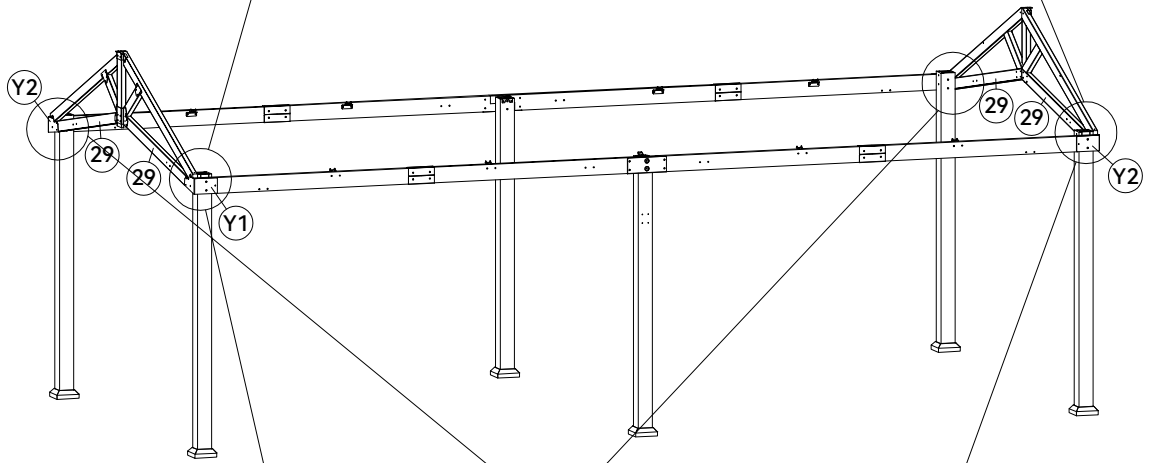
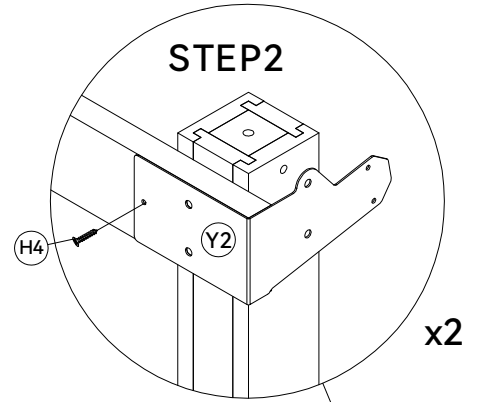


M8x170

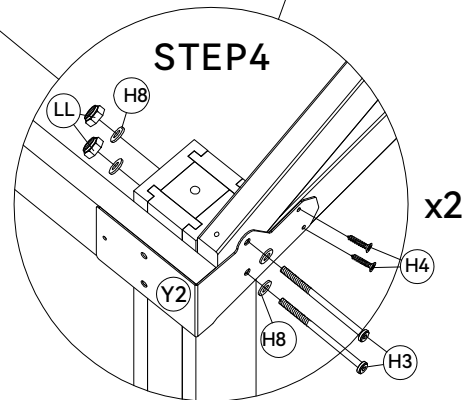
1. Secure (Y1) with self-tapping screw (H4).






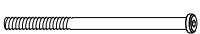
2. Secure (Y2) with self-tapping screw (H4).



3. On one side of (Y1), use screw (H3) + washer (H8); on the other, nut (LL) + washer (H8). Then secure with self-tapping screw (H4).



4. Repeat same for (Y2).

<p>(H4) x12</p>  <p>M5x25</p>	<p>(H8) x16</p>  <p>M8</p>	<p>(LL) x8</p>  <p>M8</p>	<p>(H3) x8</p>  <p>M8x170</p>
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8



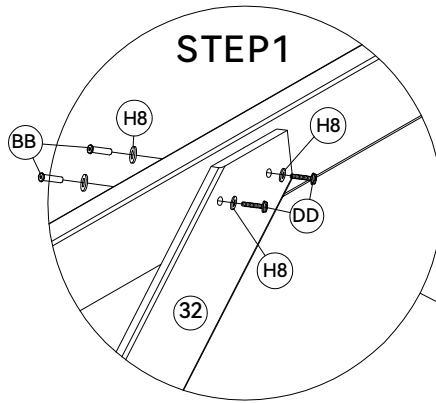
31 x2



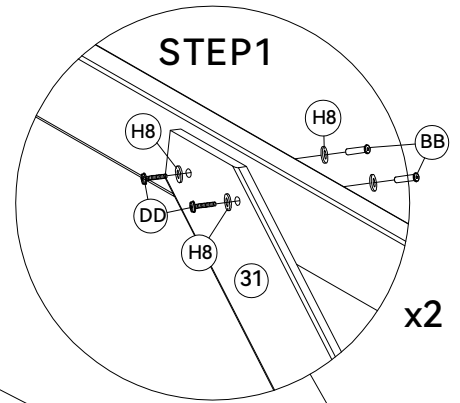
32 x2

Fix the upper end of diagonal brace (32) to the beam using screw (DD) + washer (H8) and nut (BB) + washer (H8).

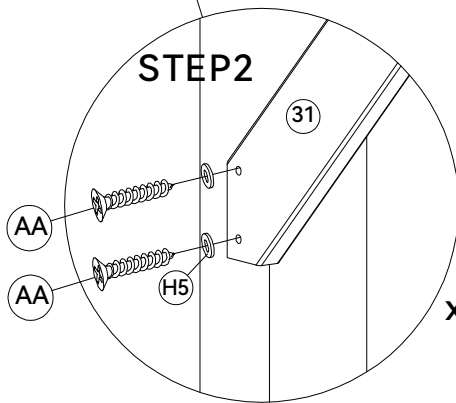
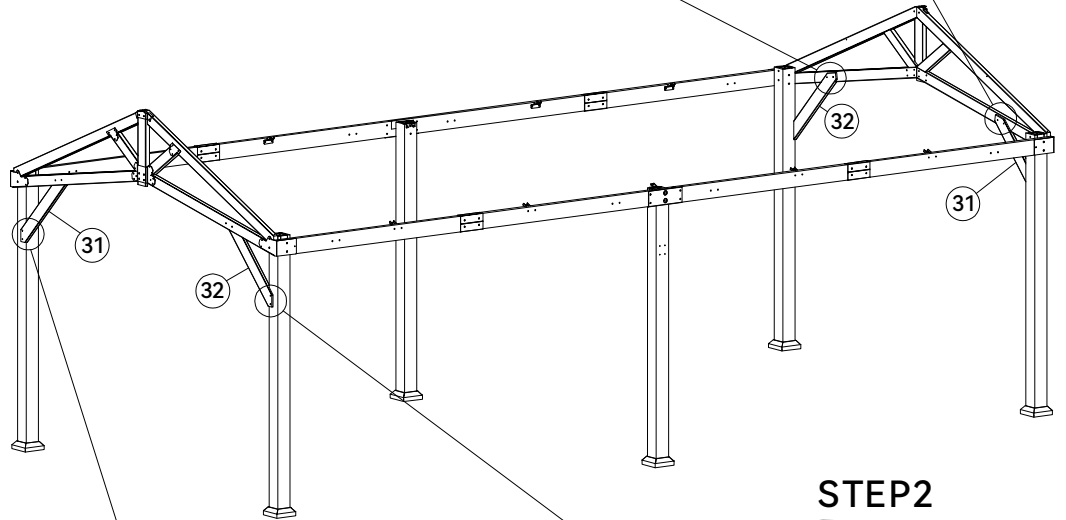
Repeat for diagonal brace (31).



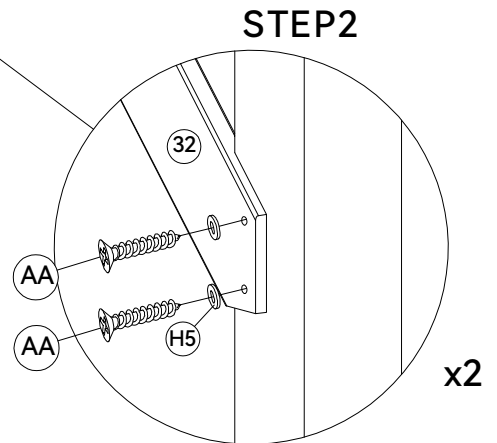
x2



x2



x2



x2

Secure lower end of brace (31) to the post with self-tapping screw (AA) + washer (H5).

Repeat for brace (32).

H8 x16



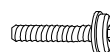
M8

BB x8



M6x20

DD x8



M6x40

H5 x8



M6

AA x8



M6x35

9



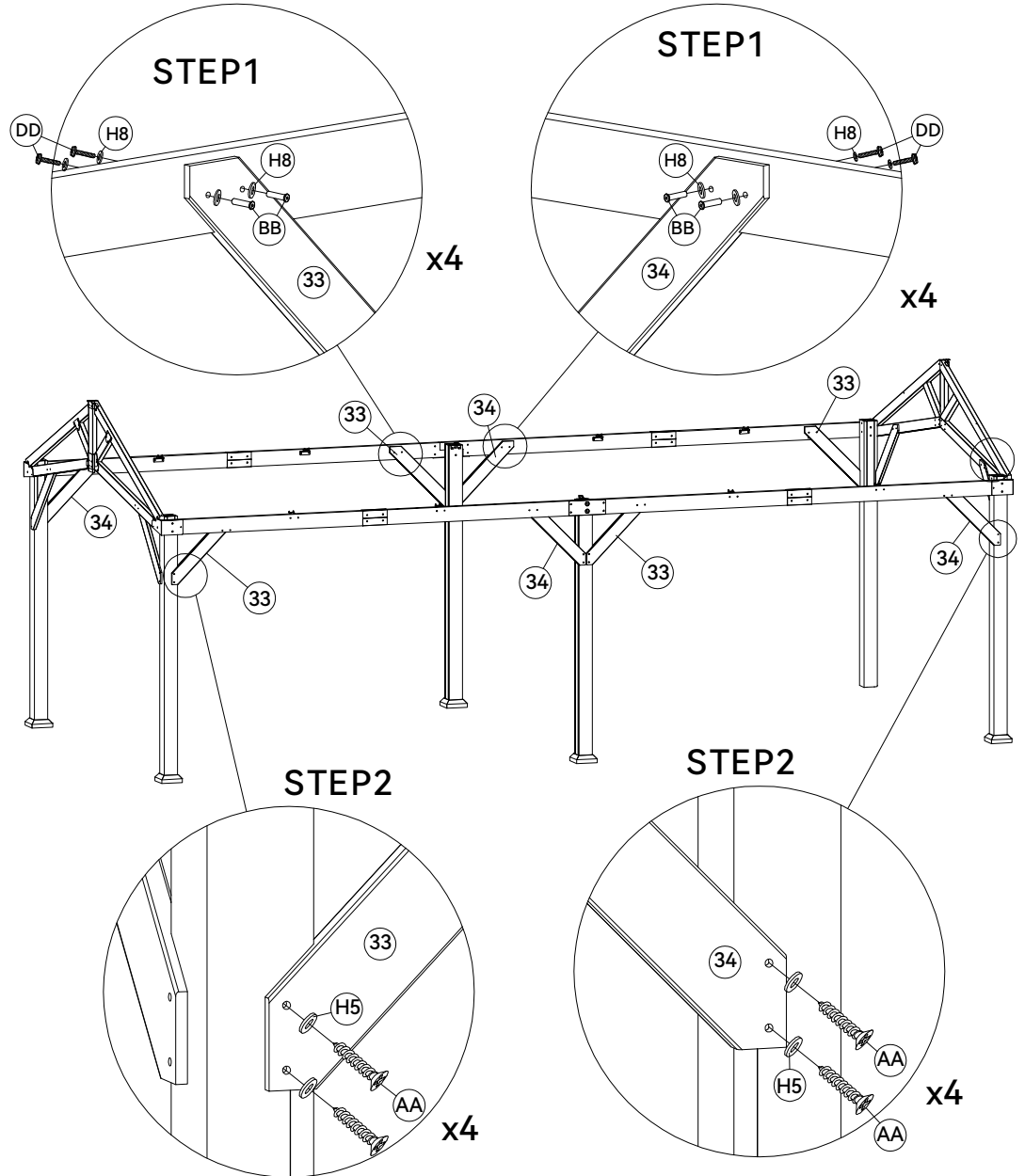
33 x4



34 x4

Fix the upper end of diagonal brace (33) to the beam: nut (BB) + washer (H8) on one side, screw (DD) + washer (H8) on the other.

Repeat for brace (34).



Secure lower end of (33) to the beam with self-tapping screw (AA) + washer (H5).

Repeat for brace (34).

H8 x32



M8

BB x16



M6x20

DD x16



M6x40

H5 x16



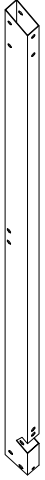
M6

AA x16



M6x35

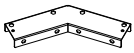
10



B1 x4

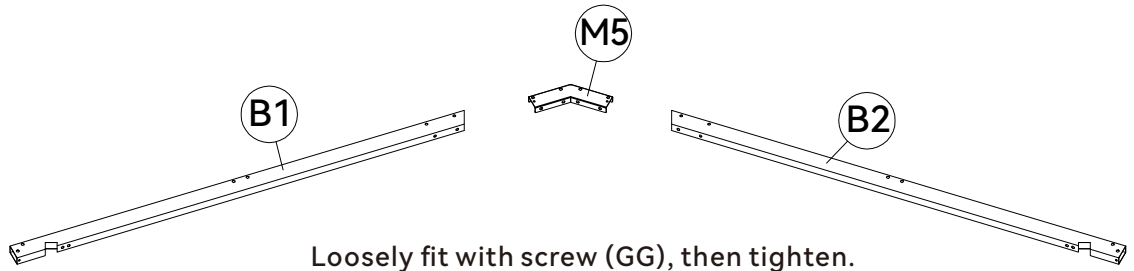


B2 x4

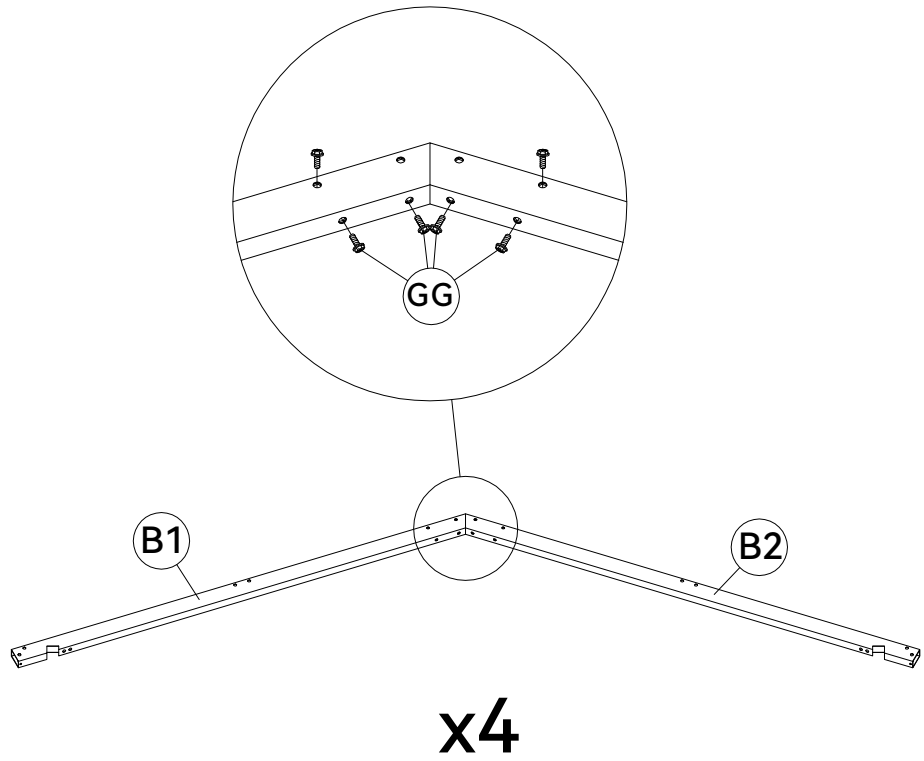


M5 x4

Place parts (B1), (B2), and (M5) as shown.

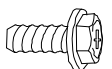


Loosely fit with screw (GG), then tighten.



x4

GG x24



M6x15

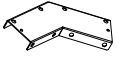
11



B3 x1

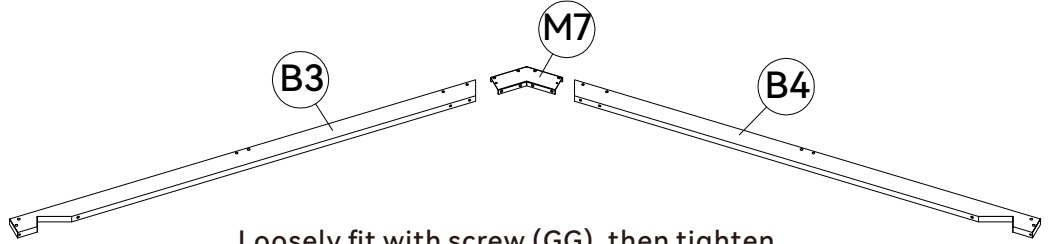


B4 x1

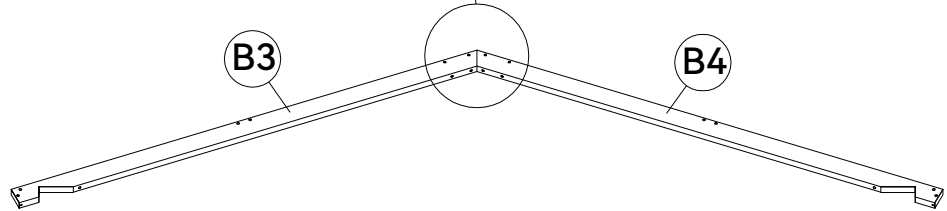
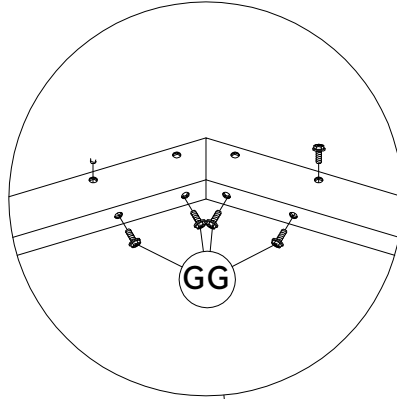


M7 x1

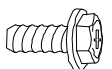
Place parts (B3), (B4), and (M7) as shown.



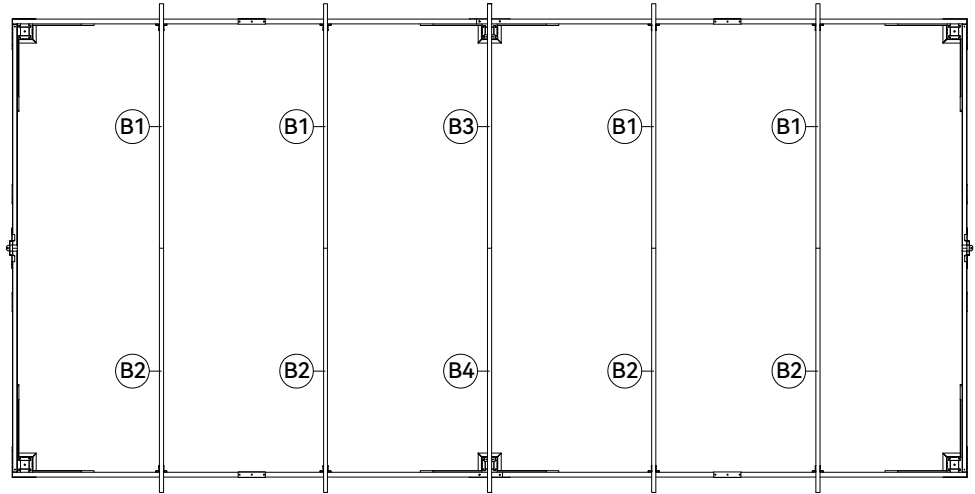
Loosely fit with screw (GG), then tighten.



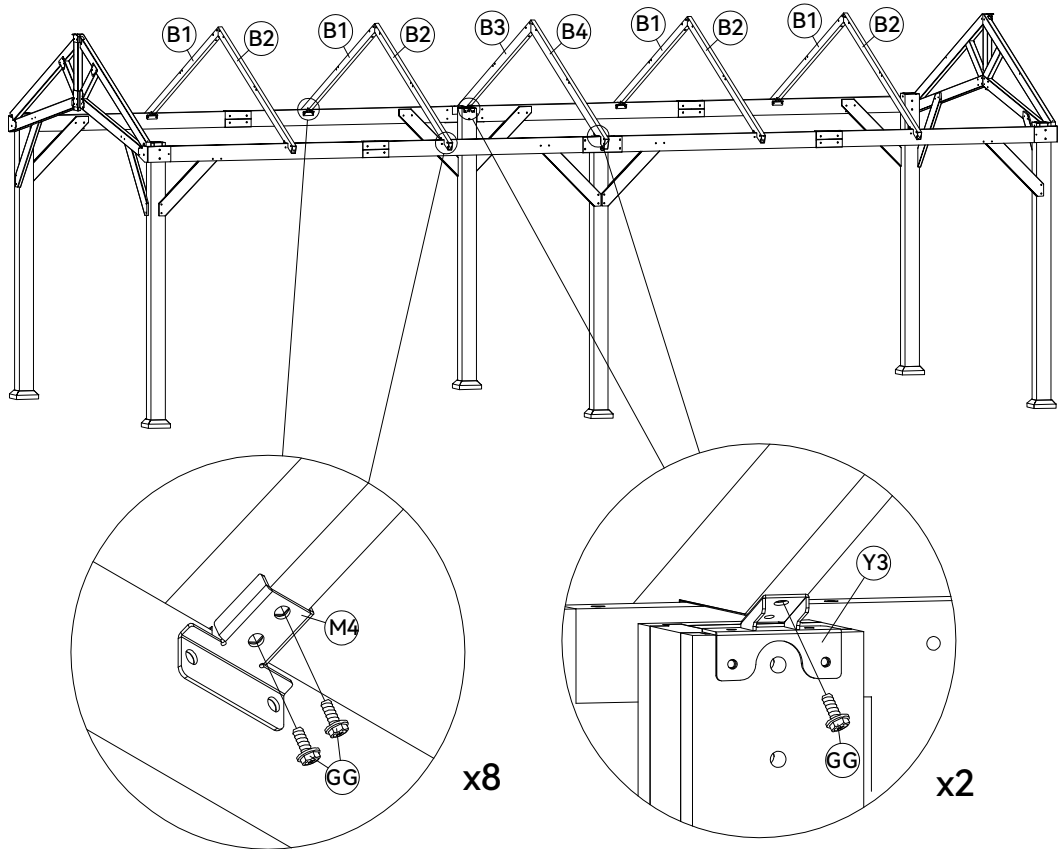
GG x6



M6x15



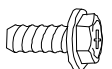
Install the assembled units (B1)(B2) and (B3)(B4) onto the beam.



Connect the bottom of (B1)(B2) to (M4) using screw (GG).

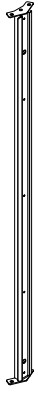
Connect the bottom of (B3)(B4) to (Y3) using screw (GG).

GG x18

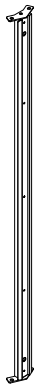


M6x15

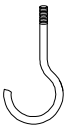
13



K3 x2

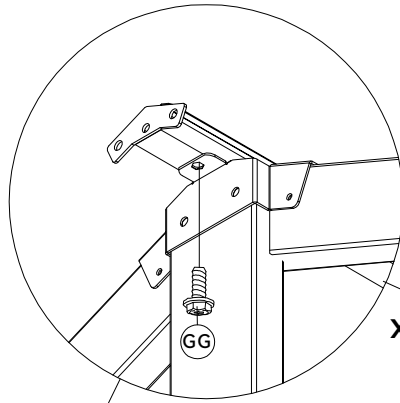


K4 x4



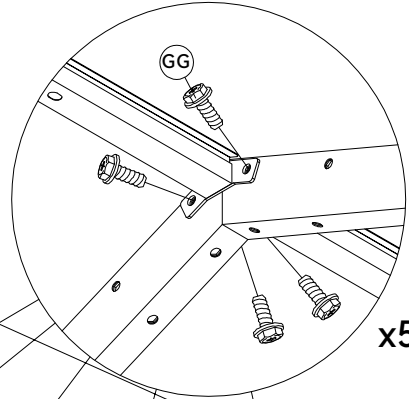
P x4

Connect (K3) and (Y5) with screw (GG).

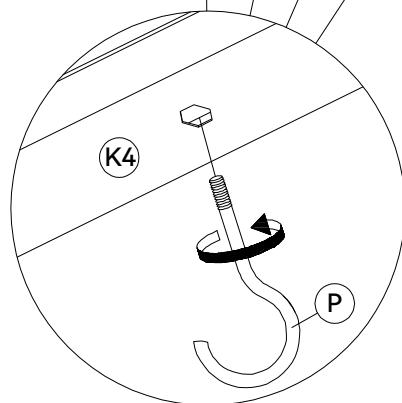
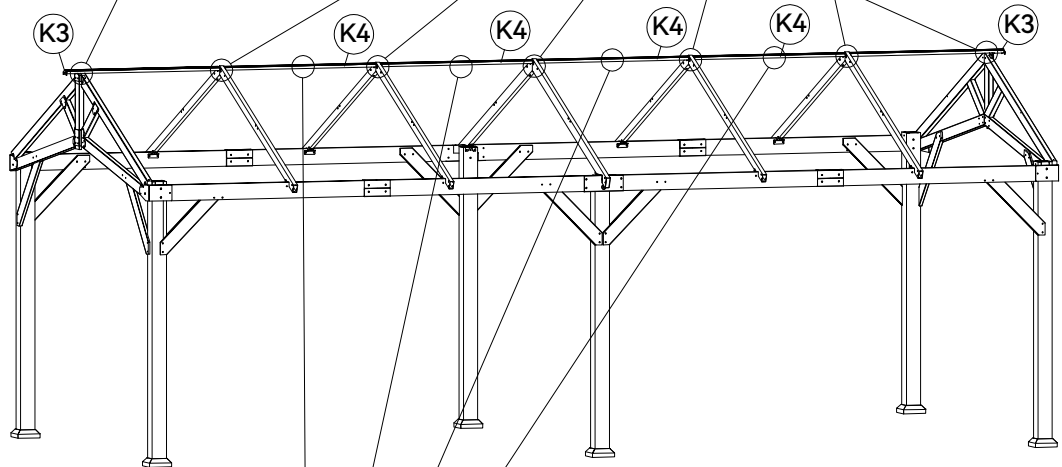


x2

Attach (K3) and (K4) to the truss.

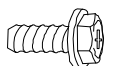


x5

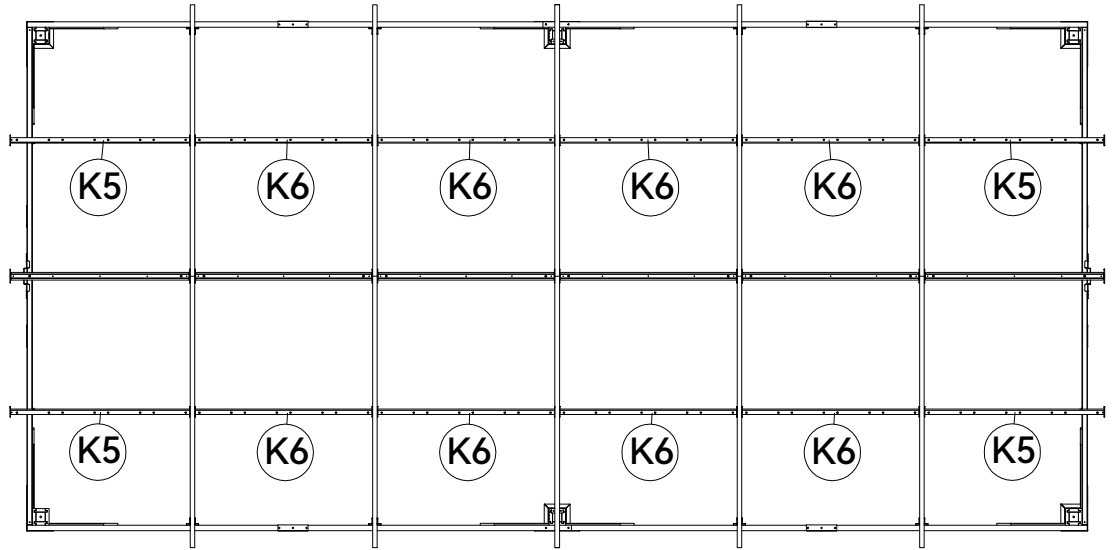


Install the hook (P) as shown.

GG x22



M6x15



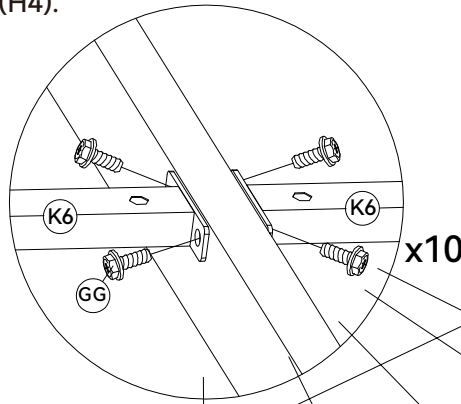
K5 x4



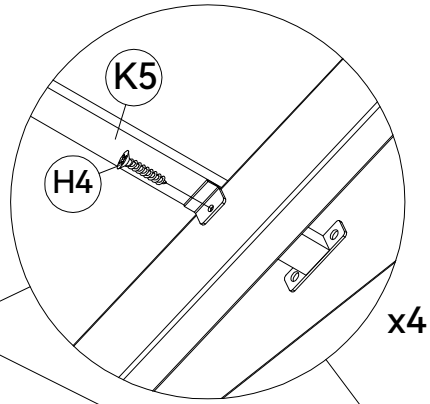
K6 x8

Secure both ends of (K5) with self-tapping screws (H4).

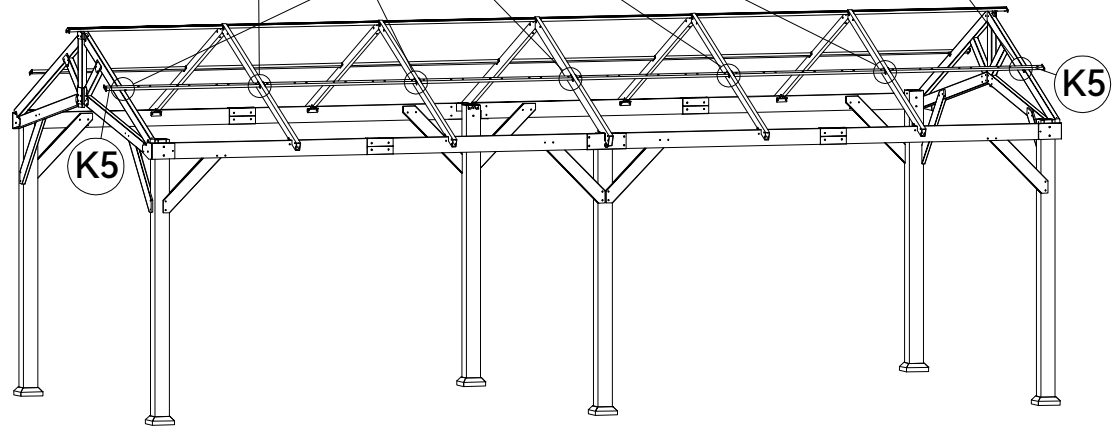
Connect (K5) and (K6) with screw (GG).



x10



x4



H4 x4

M5x25

GG x40

M6x15

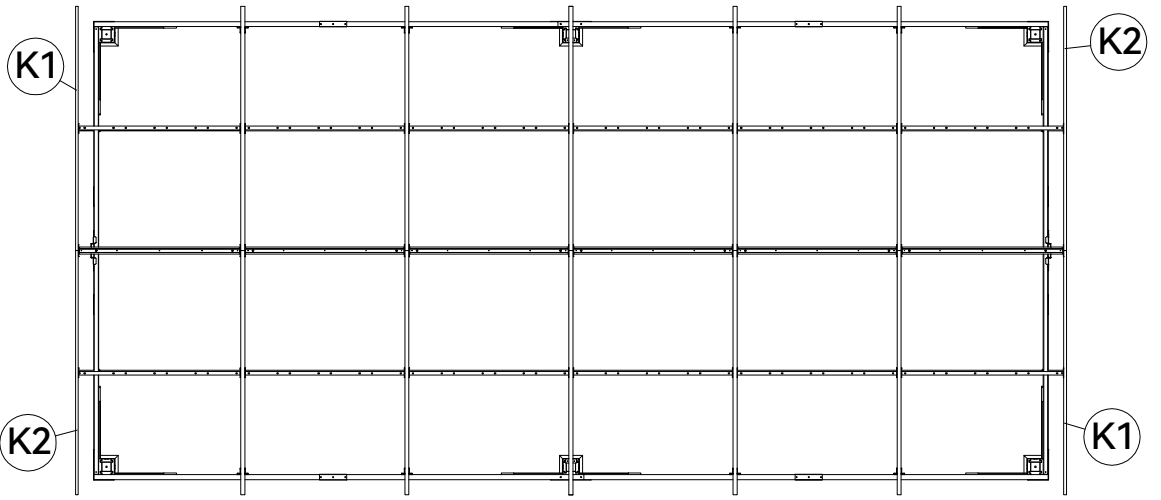
15



(K1) x2

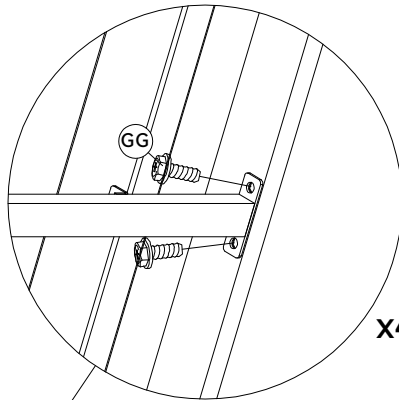


(K2) x2

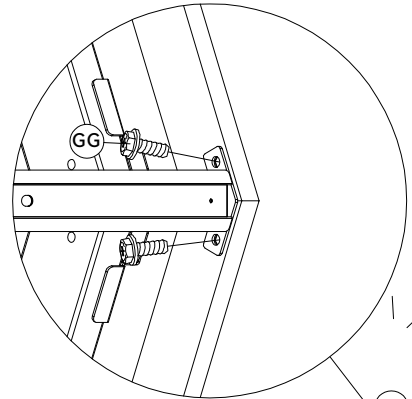


Connect (K1), (K2), and (K5) using screw (GG).

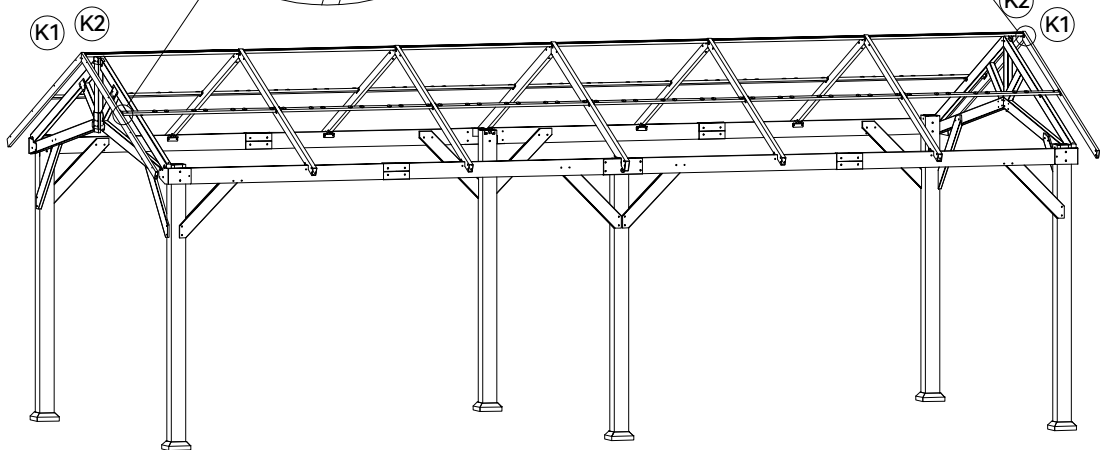
Connect both ends of (K3) to (K1) and (K2) using screw (GG).



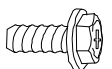
x4



x2



(GG) x12

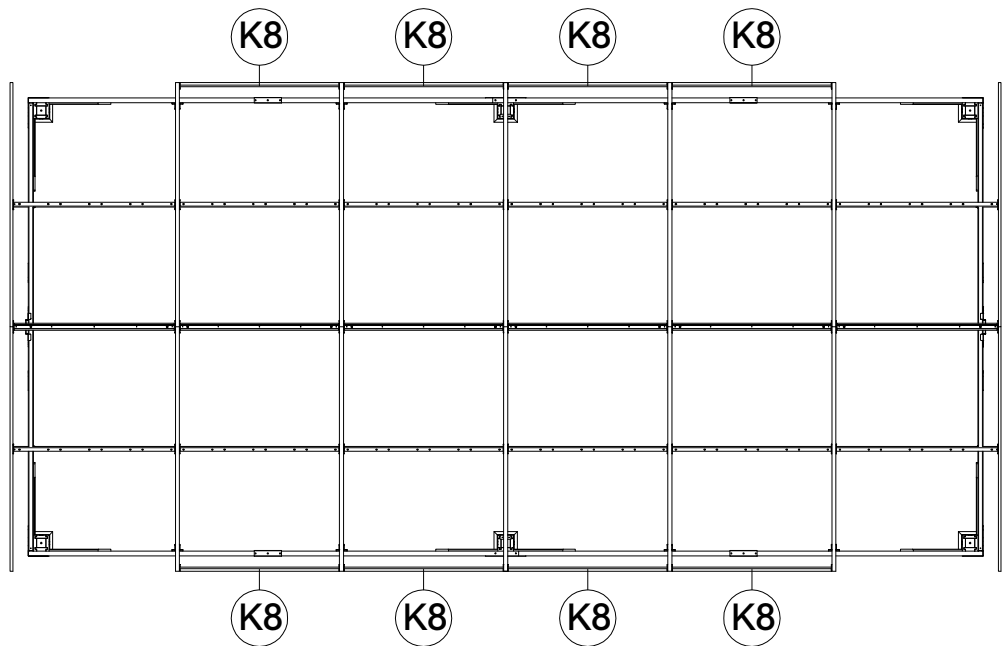


M6x15

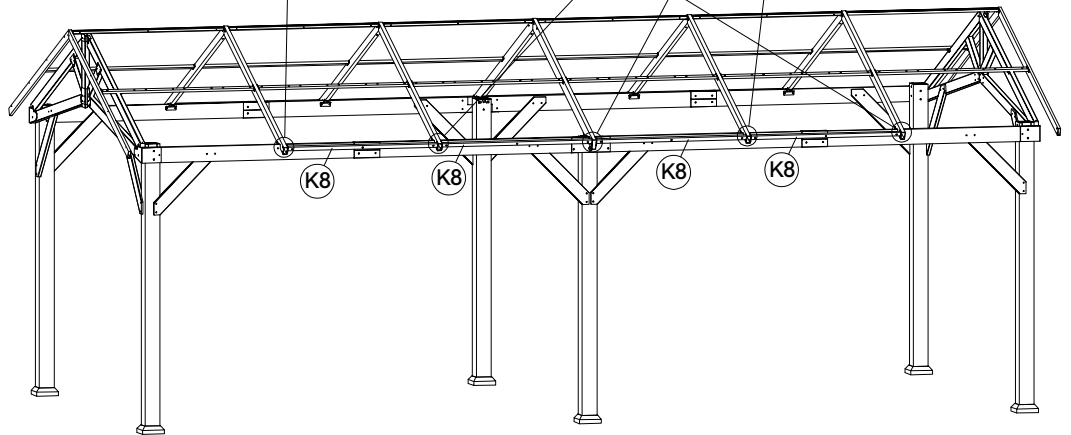
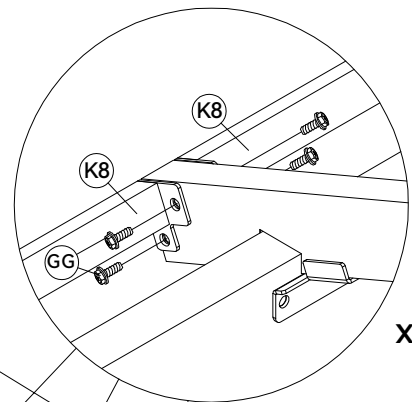
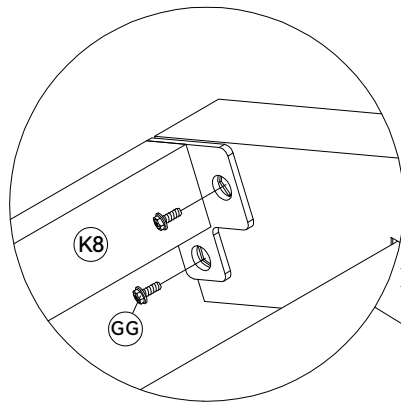
16



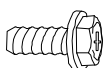
K8 x8



Secure both ends of (K8) with screw (GG).



GG x32

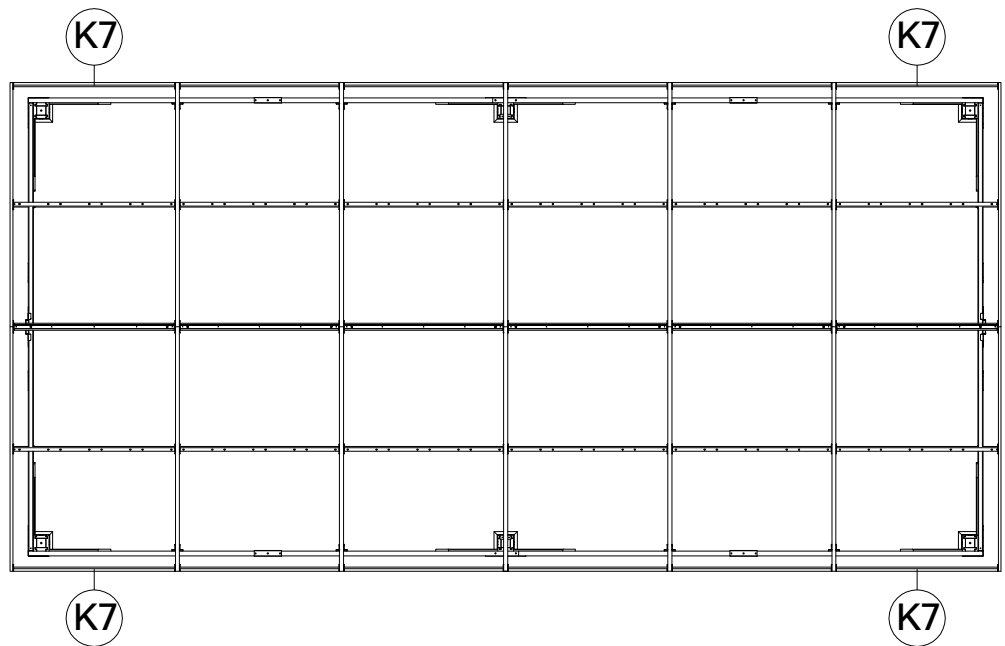


M6x15

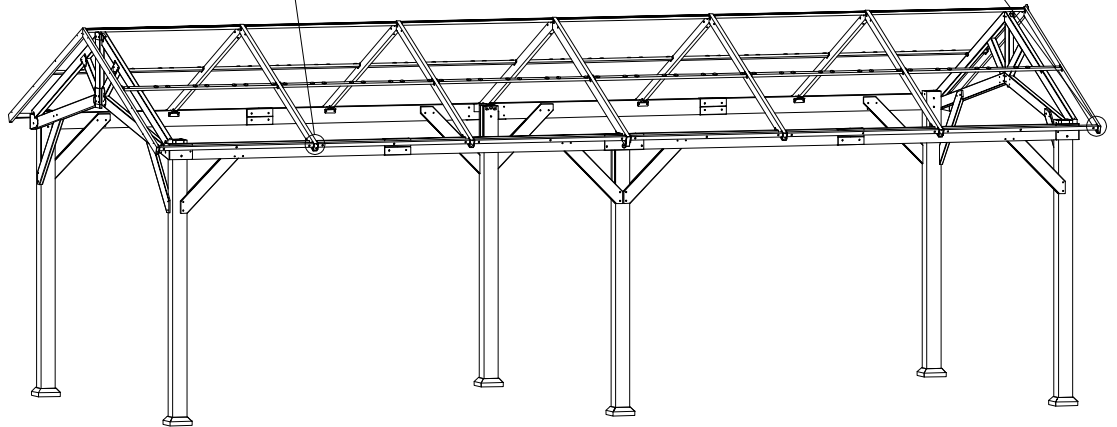
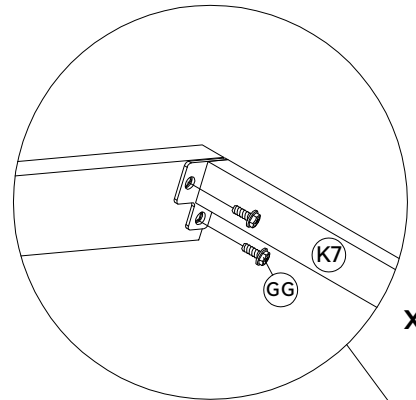
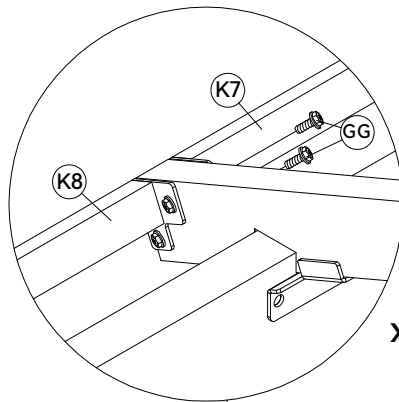
17



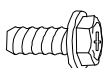
K7 x4



Secure both ends of (K7) with screw (GG).



GG x16

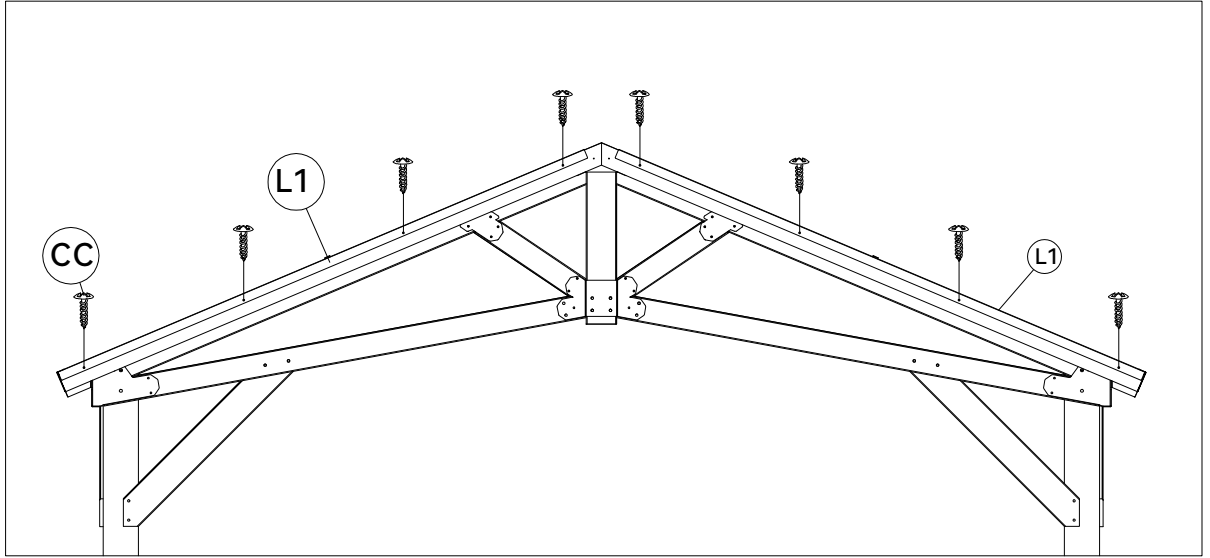


M6x15

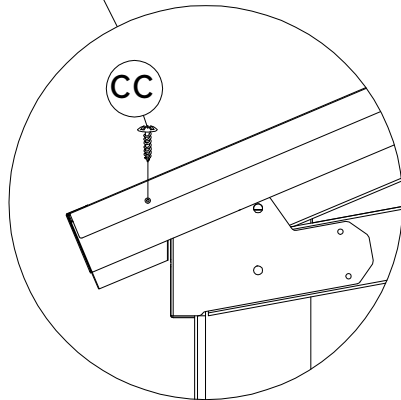
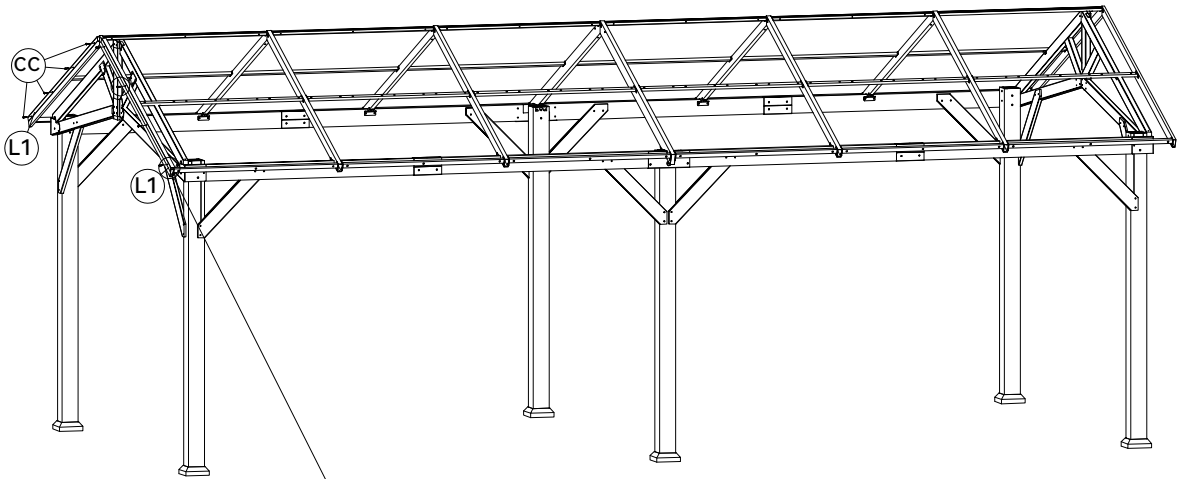
18



L1 x2



Install side press bar (L1) and secure with screw (CC).



CC x8



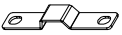
M4x16



J1 x1

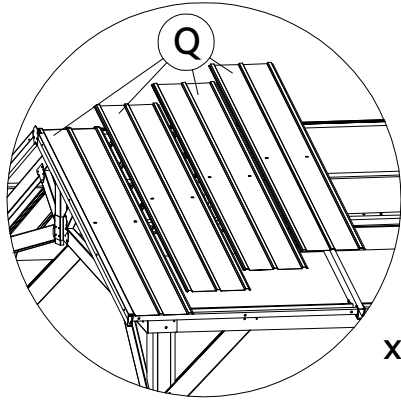


Q x8

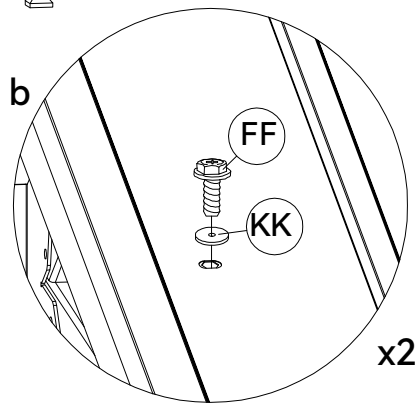
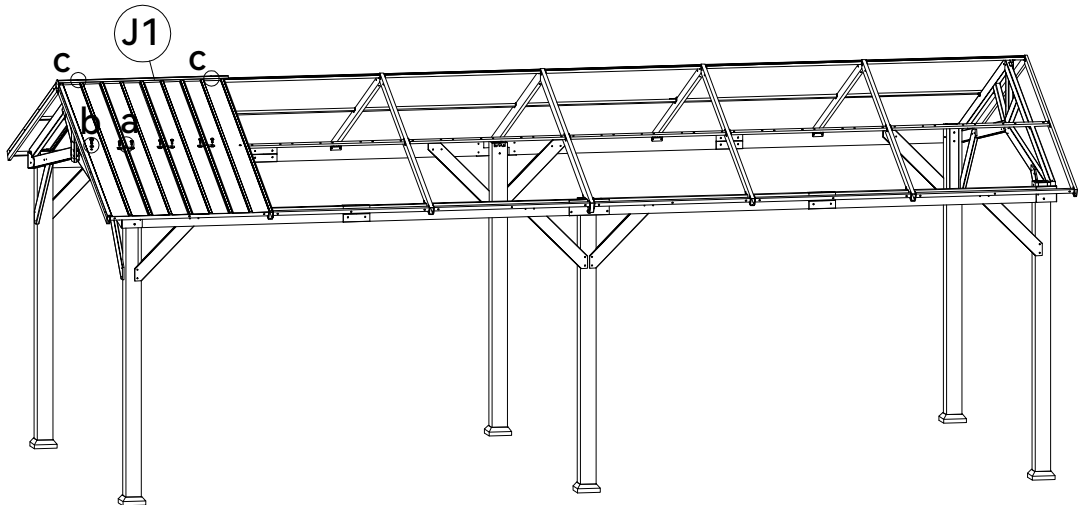
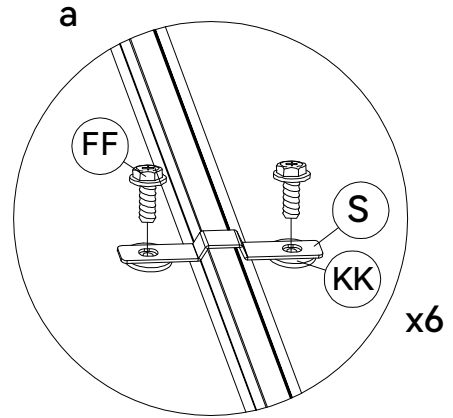


S x6

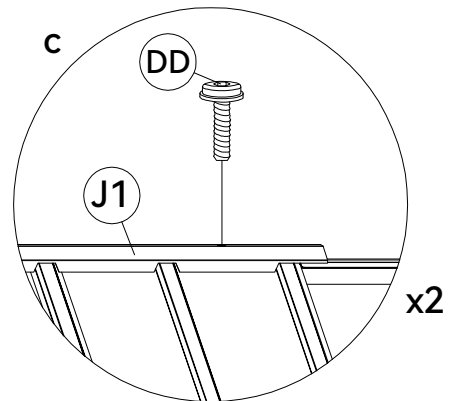
Cover one panel with four pieces of cover plates (Q).



Use press bar (S) + washer (KK) + screw (FF) to connect adjacent cover plates.



For edge cover plates, only screw (FF) + washer (KK) is required.



Top of cover plates: add top cover (J1) and secure with screw (DD).

KK x14



FF x14



M6x20

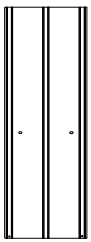
DD x2



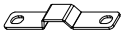
M6x40



J2 x1



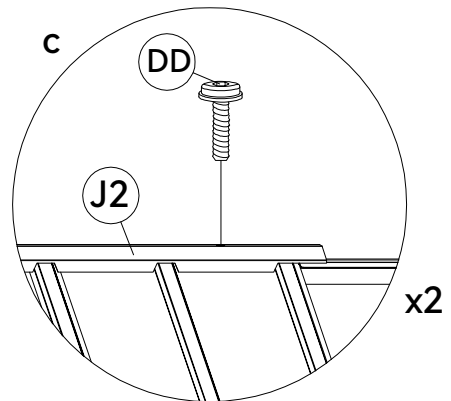
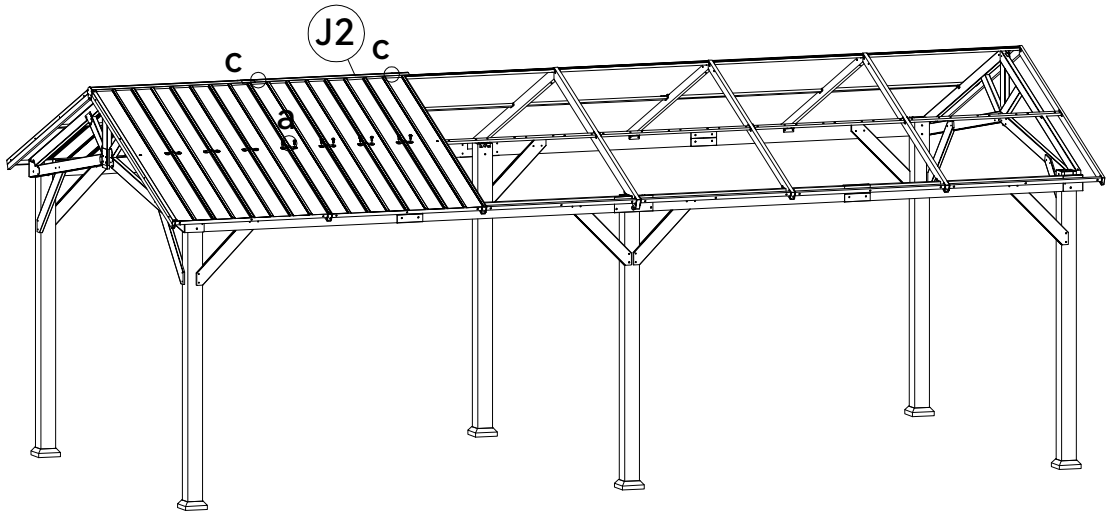
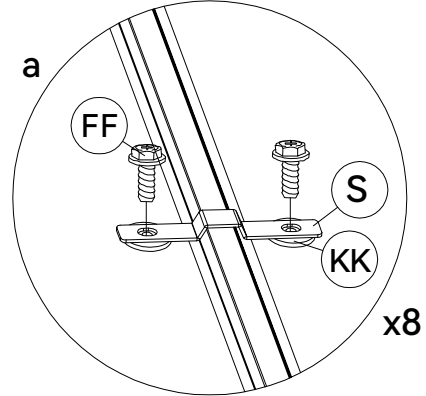
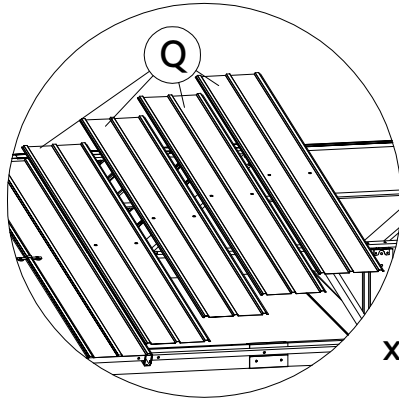
Q x8



S x8

Cover one panel with four pieces of cover plates (Q).

Use press bar (S) + washer (KK) + screw (FF) to connect adjacent cover plates. For edge cover plates, only screw (FF) + washer (KK) is required.

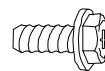


Top of cover plates: add top cover (J1) and secure with screw (DD).

KK x16



FF x16



M6x20

DD x2



M6x40

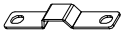
21



J2 x1



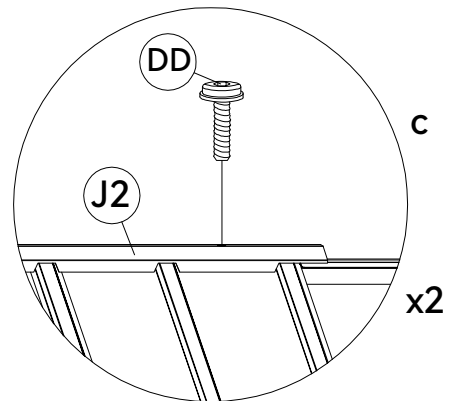
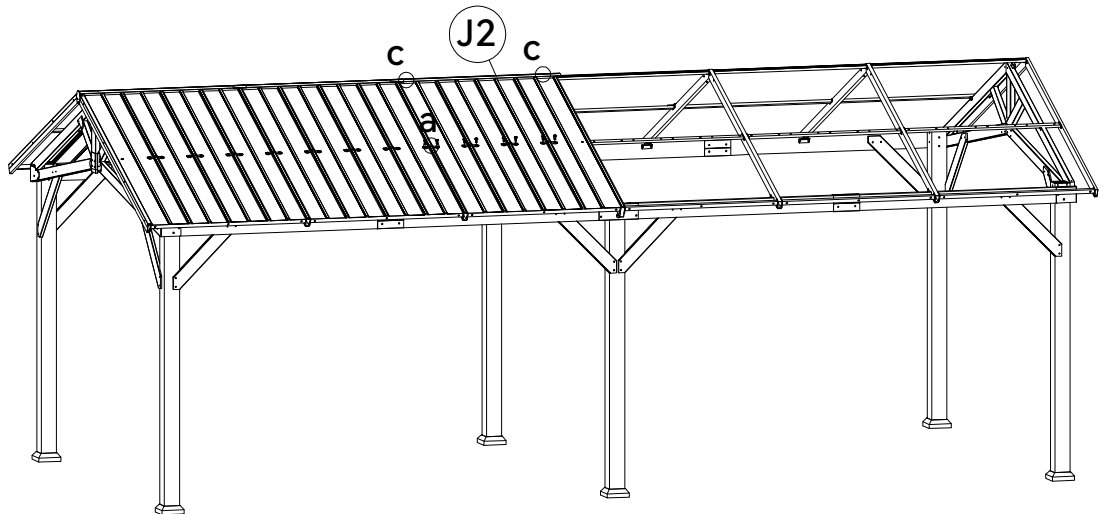
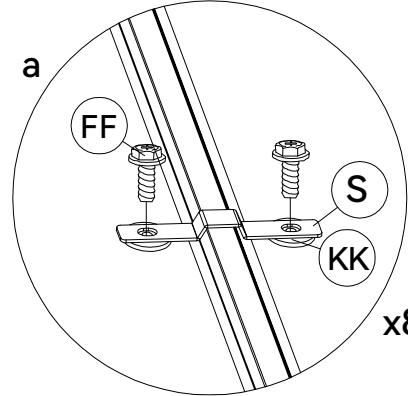
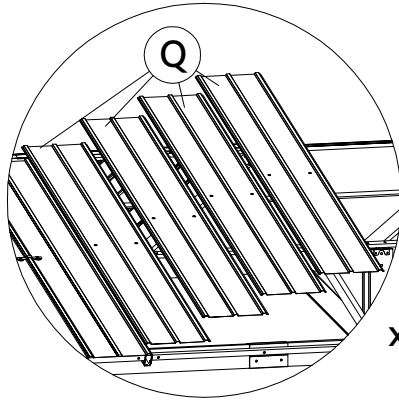
Q x8



S x8

Cover one panel with four pieces of cover plates (Q).

Use press bar (S) + washer (KK) + screw (FF) to connect adjacent cover plates. For edge cover plates, only screw (FF) + washer (KK) is required.

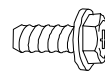


Top of cover plates: add top cover (J1) and secure with screw (DD).

KK x16



FF x16



M6x20

DD x2



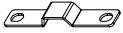
M6x40



J2 x1

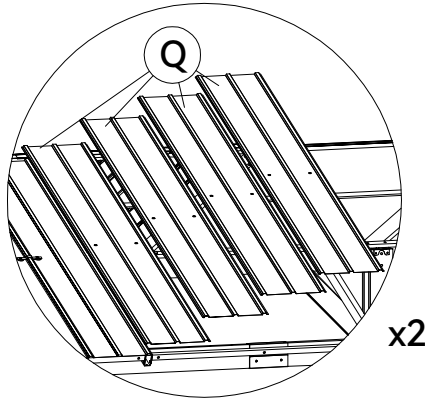


Q x8

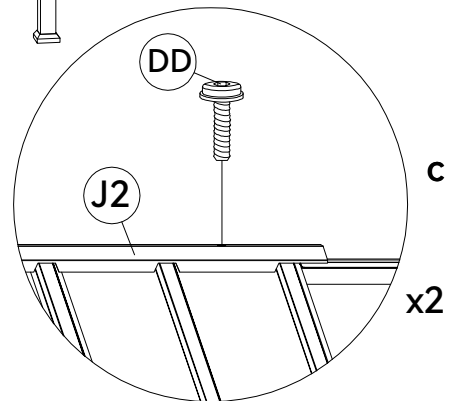
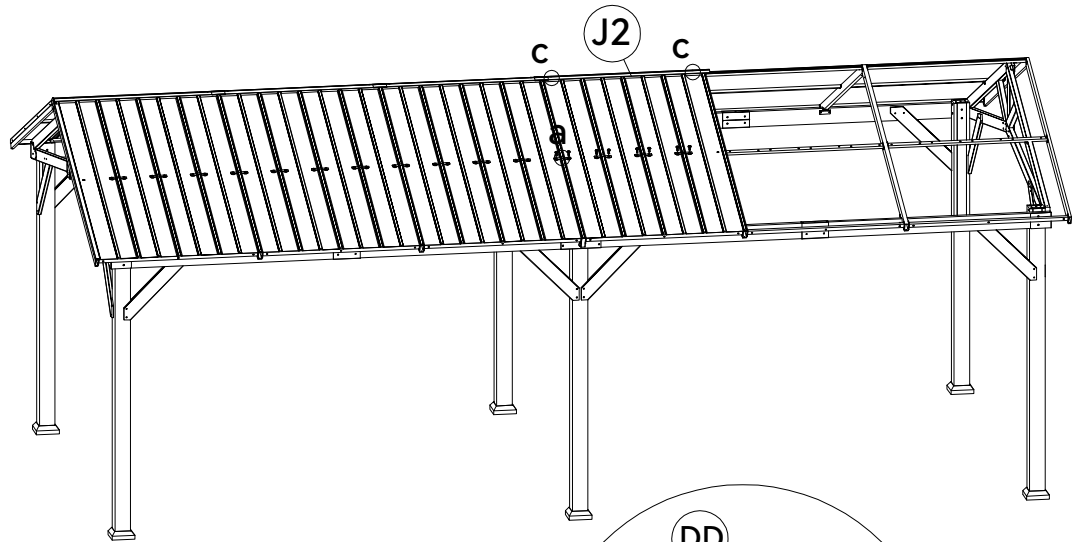
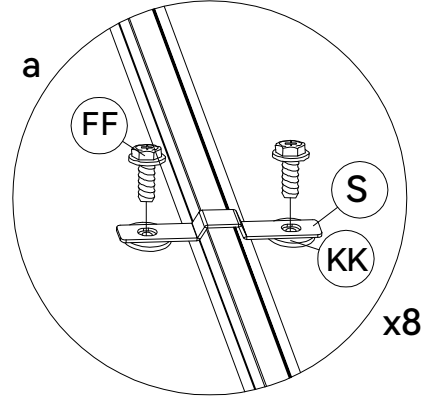


S x8

Cover one panel with four pieces of cover plates (Q).



Use press bar (S) + washer (KK) + screw (FF) to connect adjacent cover plates. For edge cover plates, only screw (FF) + washer (KK) is required.

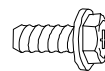


Top of cover plates: add top cover (J1) and secure with screw (DD).

KK x16



FF x16



M6x20

DD x2



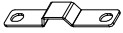
M6x40



J2 x1



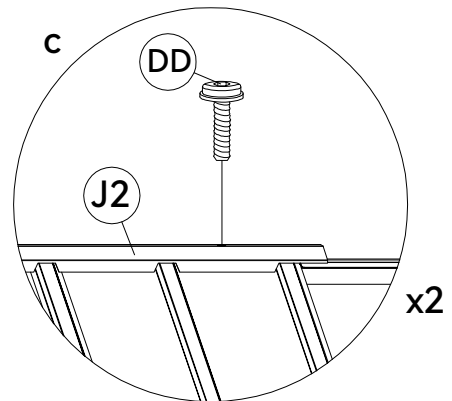
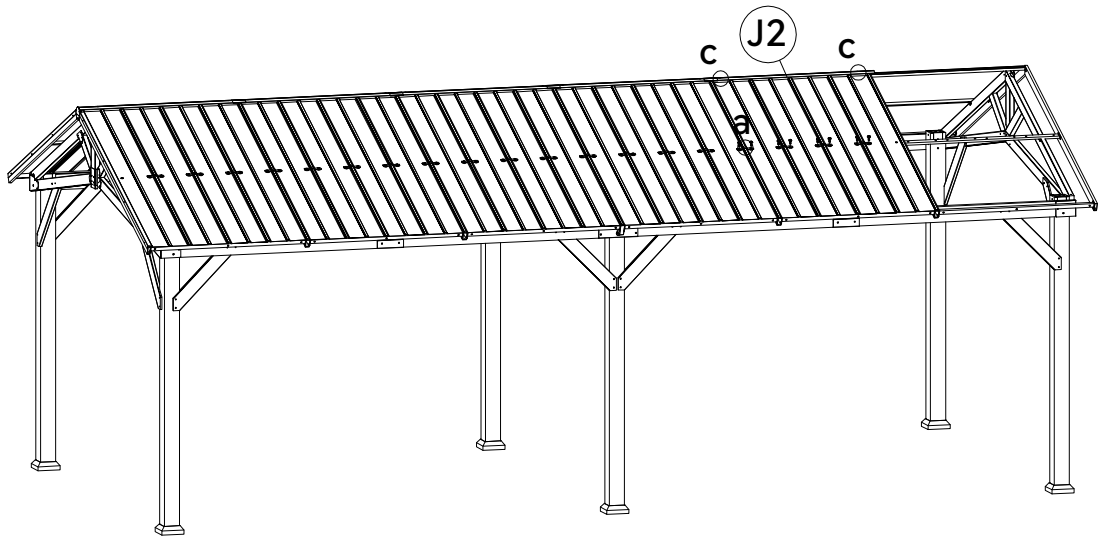
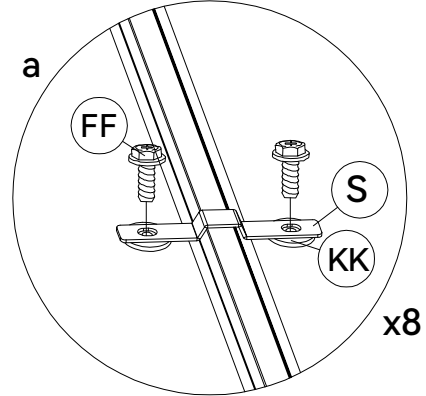
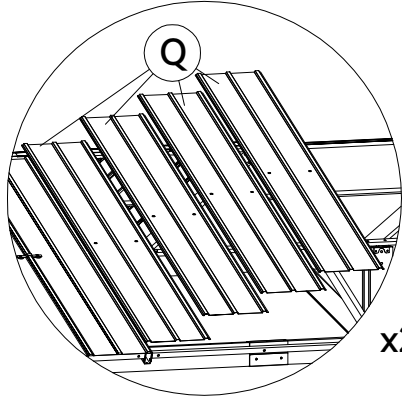
Q x8



S x8

Cover one panel with four pieces of cover plates (Q).

Use press bar (S) + washer (KK) + screw (FF) to connect adjacent cover plates. For edge cover plates, only screw (FF) + washer (KK) is required.

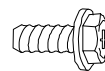


Top of cover plates: add top cover (J1) and secure with screw (DD).

KK x16



FF x16



M6x20

DD x2



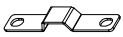
M6x40



J1 x1



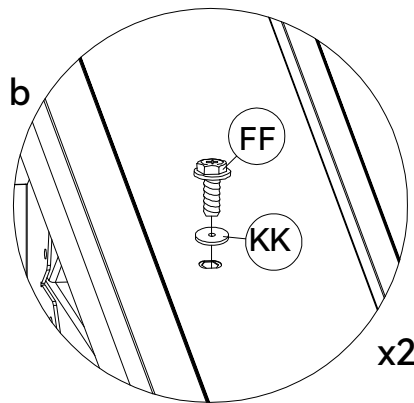
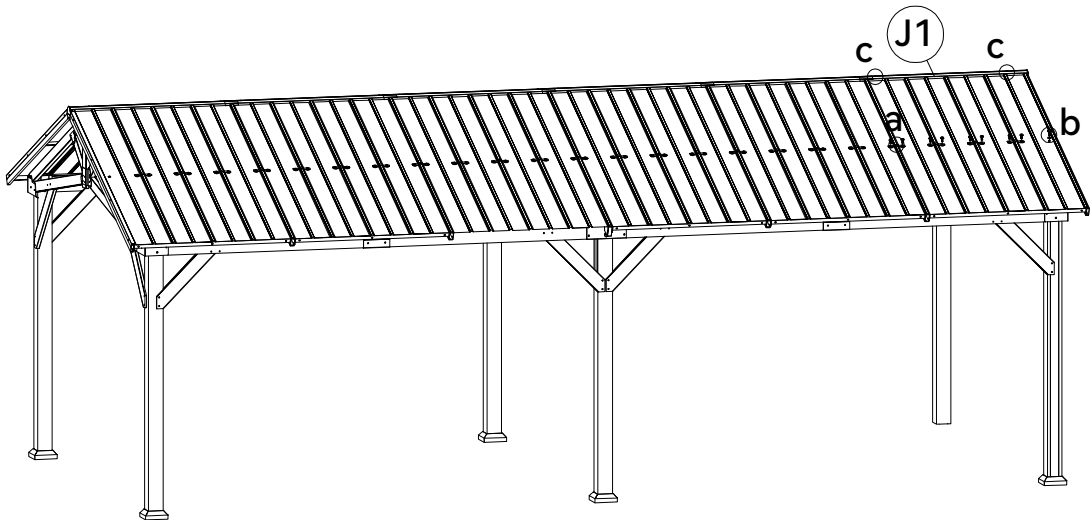
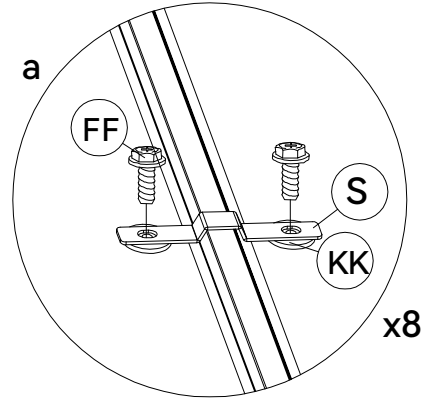
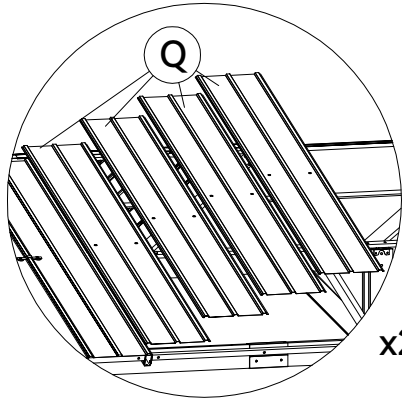
Q x8



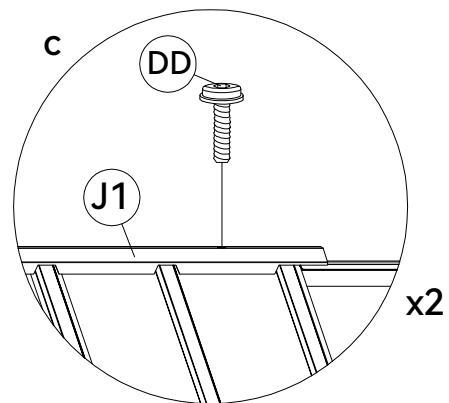
S x8

Cover one panel with four pieces of cover plates (Q).

Use press bar (S) + washer (KK) + screw (FF) to connect adjacent cover plates.



For edge cover plates, only screw (FF) + washer (KK) is required.

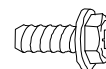


Top of cover plates: add top cover (J1) and secure with screw (DD).

KK x18



FF x18



M6x20

DD x2



M6x40

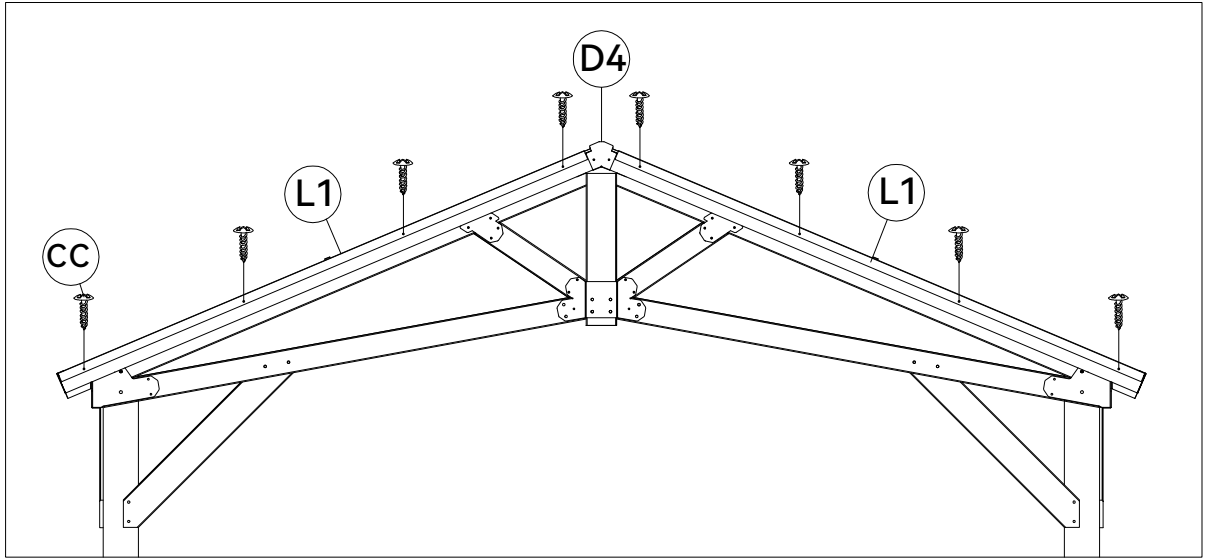
25



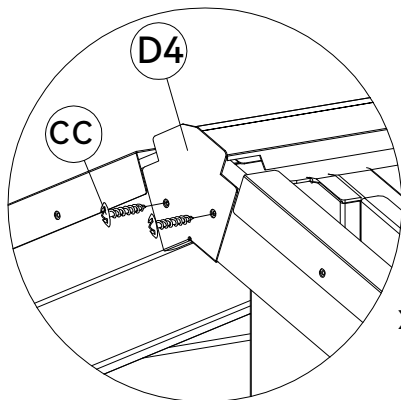
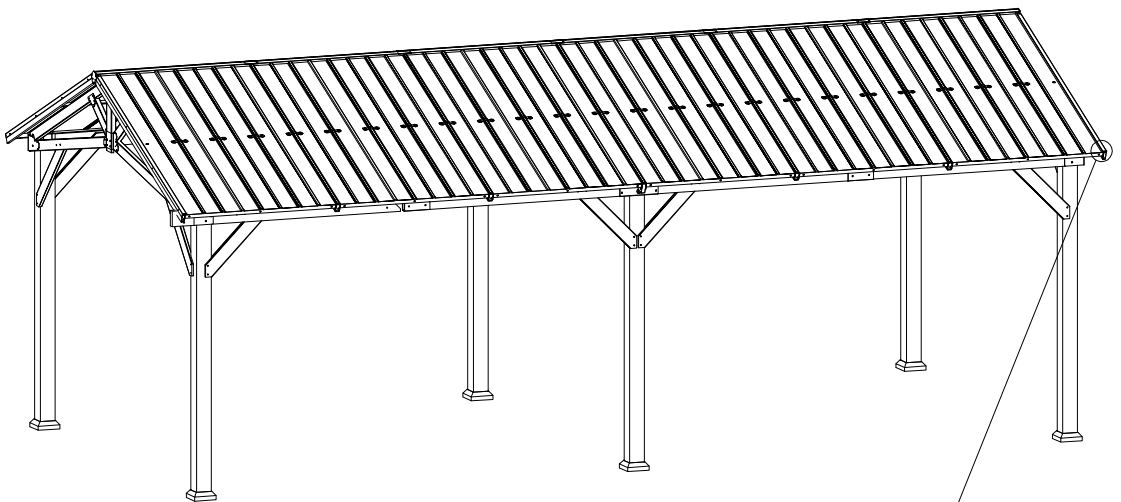
D4 x2



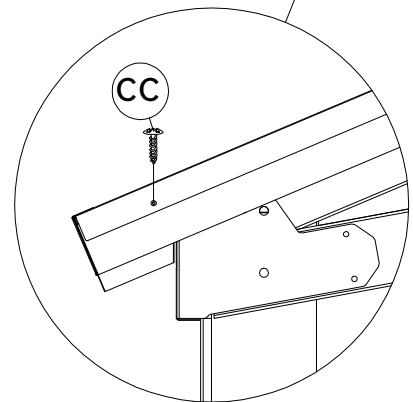
L1 x2



Install side press bar (L1) with screw (CC).



x2



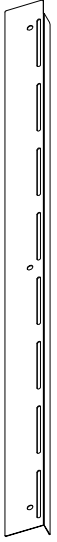
Install stopper plate (D4) with screw (CC).

CC x12

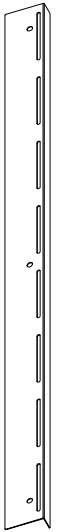


M4x16

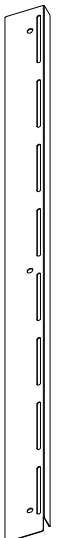
26



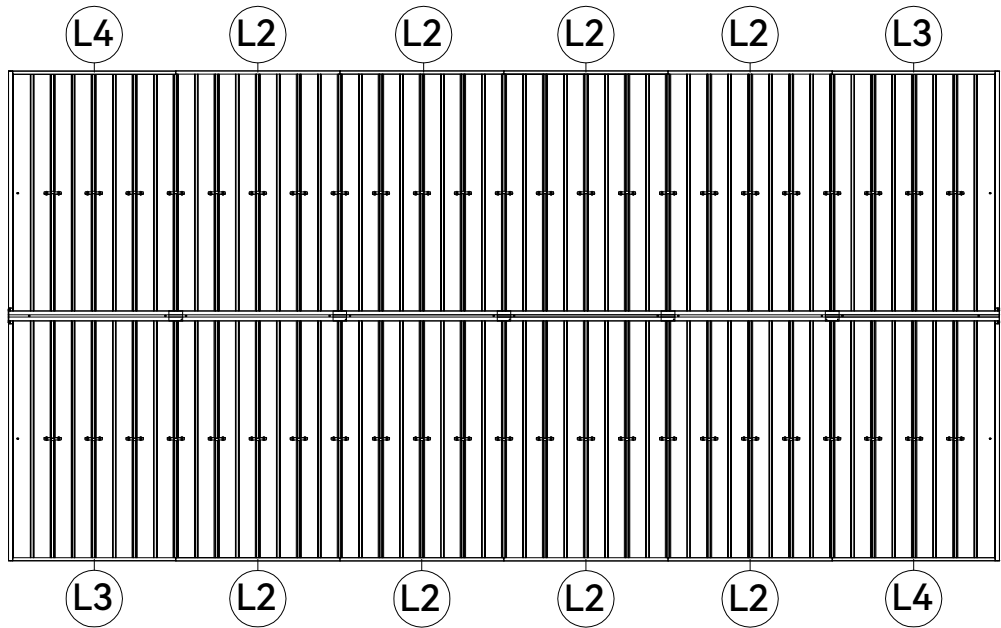
L3 x2



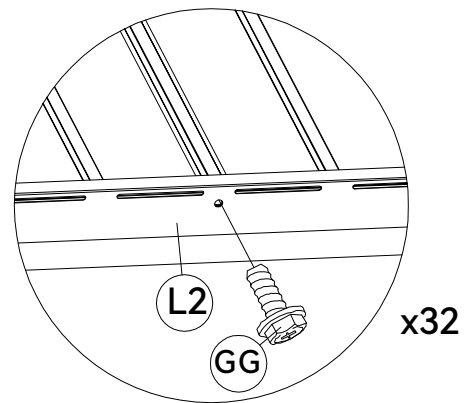
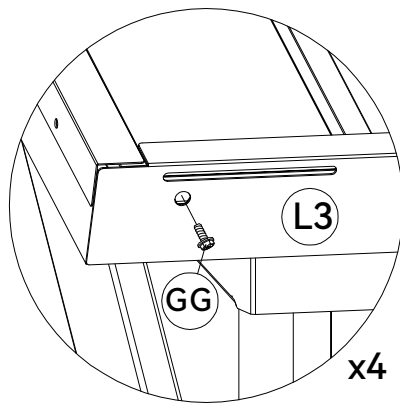
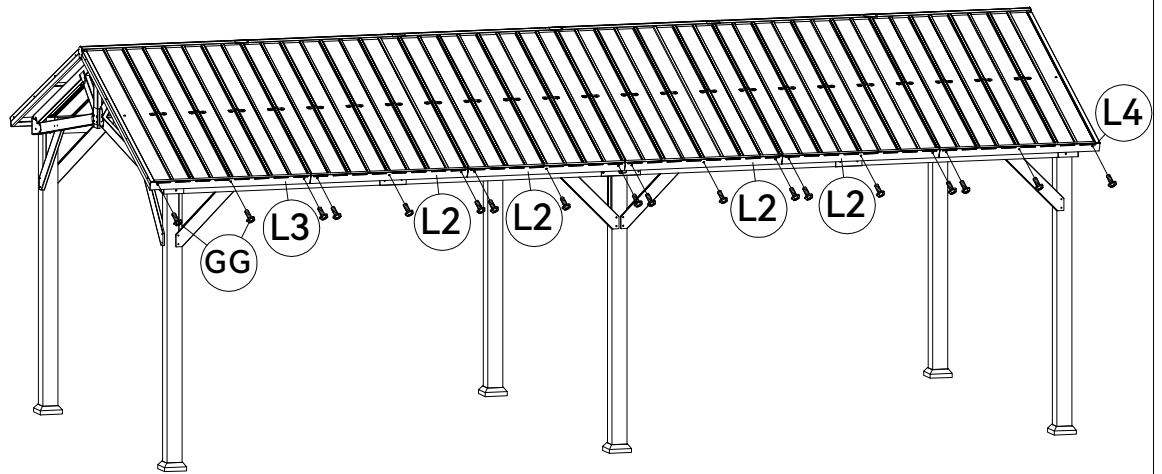
L2 x8



L4 x2

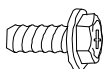


Install front and rear press bars (L2), (L3), and (L4).

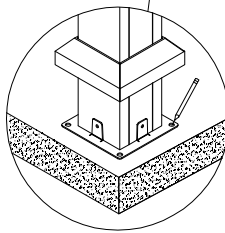
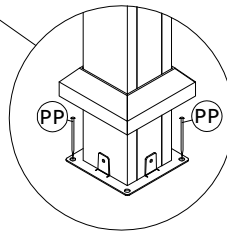
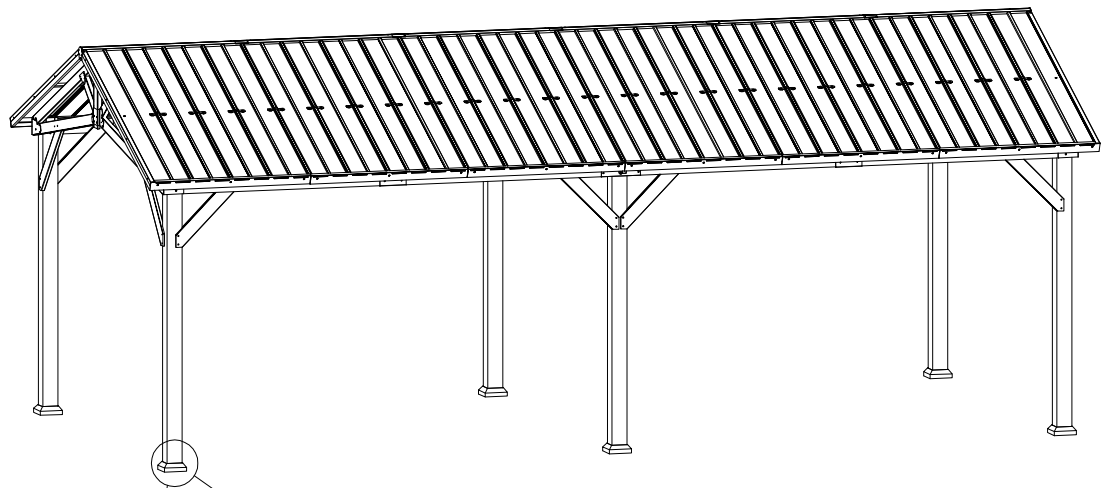


Secure each with screw (GG) as shown.

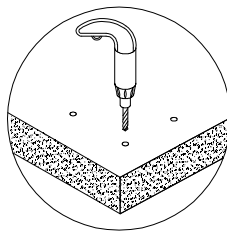
GG x36



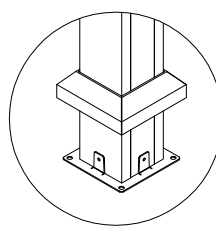
M6x15



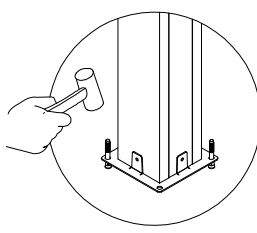
positioning



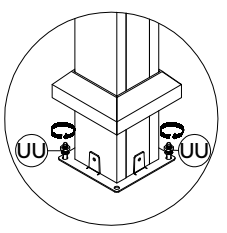
drilling



placing

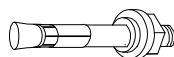


screwing



locking

UU x12



M6x80

PP x12



D8x180

| Carport

BB21X4-1A2A0

V1.0