

Gazebo Installation Guide



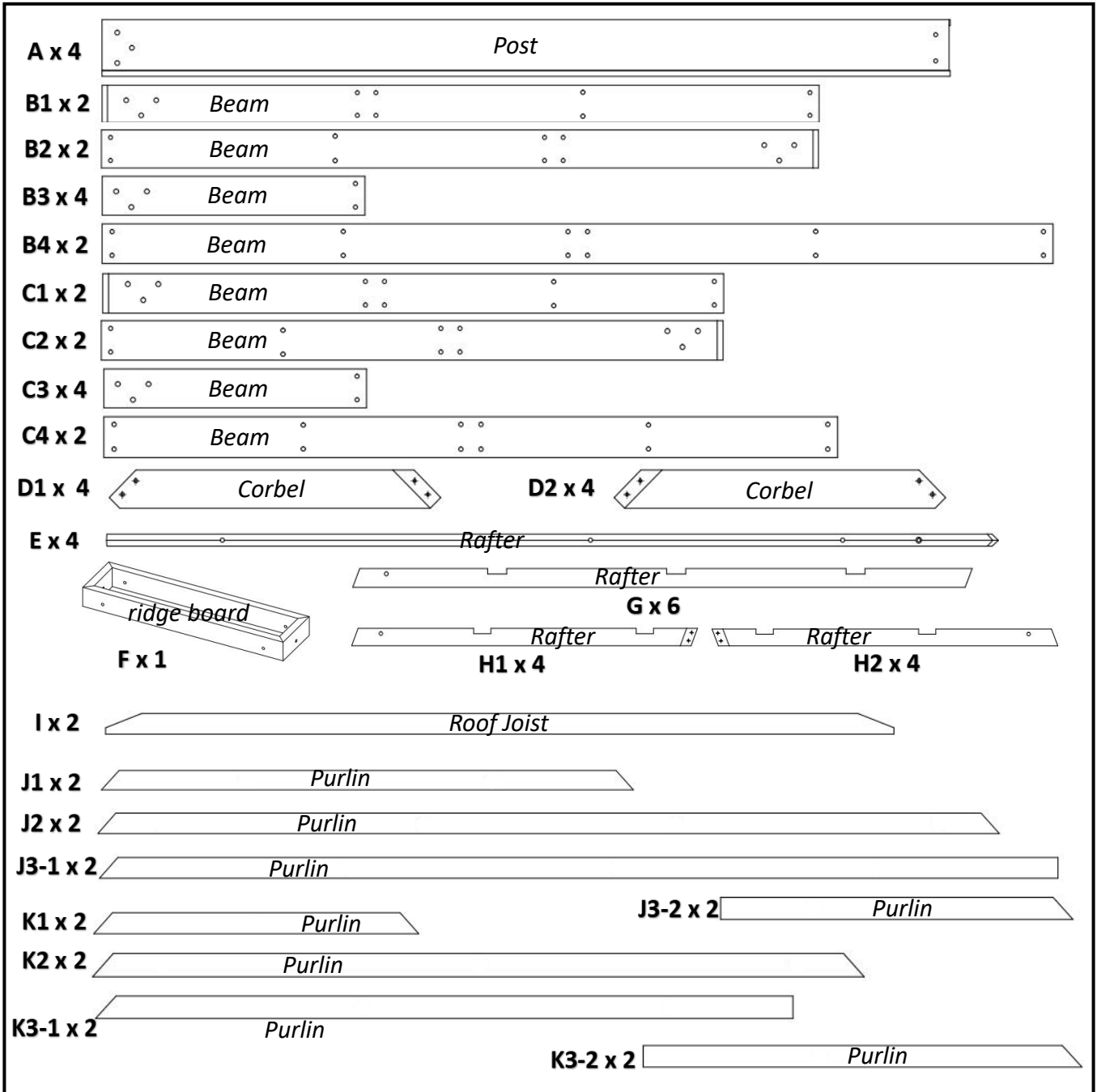
Min 2 Person
Needed

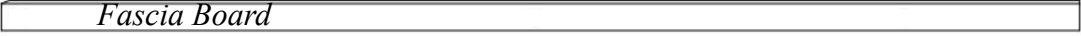





6-8
hours

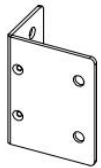
- In case of damage, missing parts or need installation assistance, contact patiofurniture@service@gmail.com or call us at 916-409-6707.
- Our product arrives in **4 parcels**. Start assembly only until you receive all the parcels

What's Included (Wood Components)

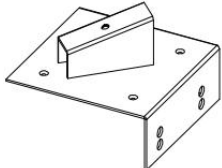


L1 x 2	
L2 x 2	
M1 x 2	
M2 x 2	

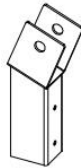
What's Included (Hardware Components)



Post Anchor
x 8



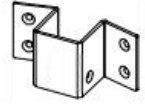
Post Clip
x 4



Bracket for G&H
x 14



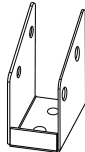
Bracket for F
x 4



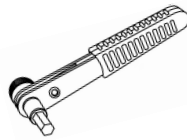
Bracket for J&K&E
x 12



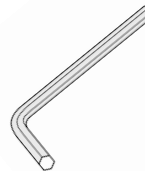
Connector
x 8



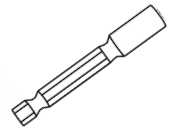
Bracket for I
x 4



Ratchet Allen Key
x 1

















Allen Key
x 1



Hex socket
x 1

Screws: All screws have been packed separately based on steps. Step # is marked on screw pack. At each step, ONLY use the screws marked with corresponding step #.

S1:		(16) M8*100	S10:		(60) 4*35
S2:		(64) M8*35	S11:		(16) 5*35
S3:		(30) M8*50	S12 (Metal):		(112) 8*22*2
S4:		(4) M8*60	S13:		(150) M4*20
S5:		(24) M8*200	S14 (Plastic):		(150) M5*10*2
S6:		(54) M8			
S7:		(6) M6*30			
S8:		(120) 4*16			
S9:		(142) 4*25			

Ridge Cap Channel:

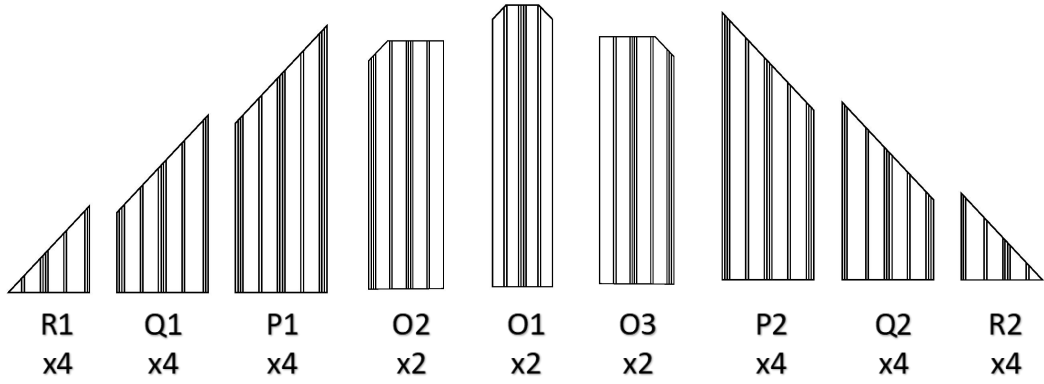
N1 x 4



N2 x 4



Steel Roof Panel:



**R1
x4**

**Q1
x4**

**P1
x4**

**O2
x2**

**O1
x2**

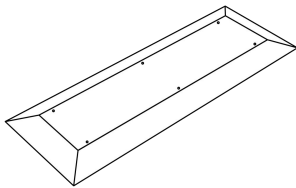
**O3
x2**

**P2
x4**

**Q2
x4**

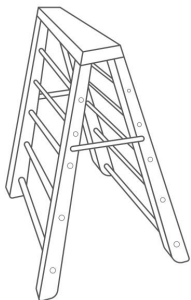
**R2
x4**

Ridge Peak Cap: T x 1

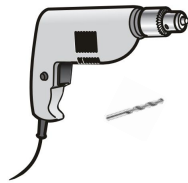


We have provided the gloves. Please ensure you wear them when installing the Steel Roof to avoid any hurting.

Tools Required



Ladder



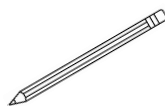
**Drill
1/8" drill bit**



Hammer drill



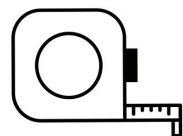
Wrench



Pencil

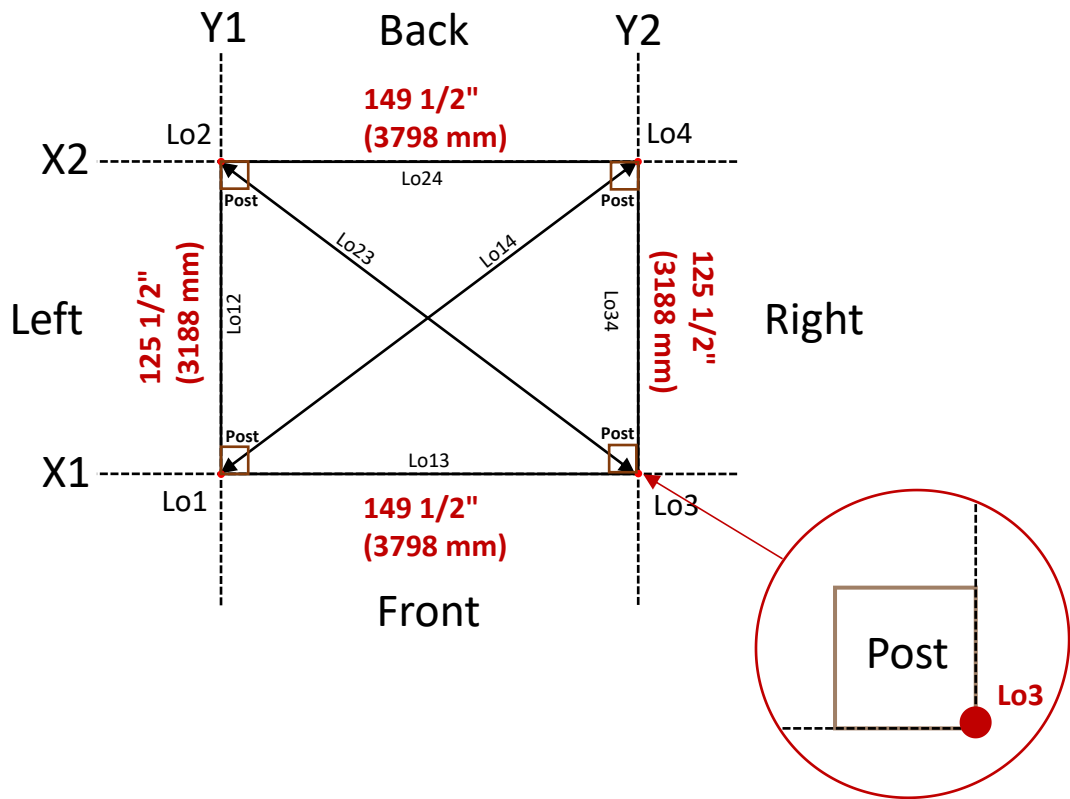


Laser Level



Tape Measure

Installation Site Preparation



Important: When place each post, place its outermost corner at the marked position (Lo1, Lo2, Lo3 and Lo4).

- **Step 1:** Place the laser level on the ground where the gazebo will be installed and project two reference lines, X1 and Y1. The intersection of X1 and Y1 indicates the location of **the first post (Lo1)**.
- **Step 2:** Along line Y1, measure **125 1/2" (3188 mm)** from Lo1 and mark the point. This point is the location of **the second post (Lo2)**.
- **Step 3:** From Lo1, measure **149 1/2" (3798 mm)** along line X1 to locate **the third post (Lo3)**.
- **Step 4:** At Lo3, use the laser level to project a line (Y2) perpendicular to X1. From Lo3, measure **125 1/2" (3188 mm)** to locate **the fourth post (Lo4)**.

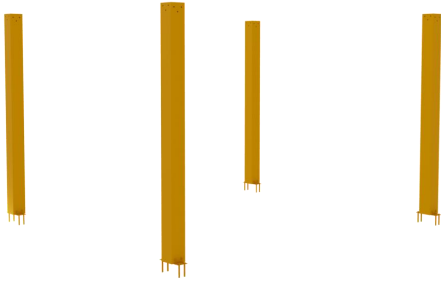
IMPORTANT: Check the squareness before you proceed to next step:

1. **Measure the two diagonals of the four posts location:** The layout is square if Lo14 = Lo23.
2. **Measure Lo24,** the length should be **149 1/2" (3798 mm)** same as Lo13

Step 1: Post Installation

Required Components:

Post A * 4



Required Hardware:

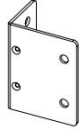
Pack 1

S2: (16) M8*35

S6: (16) M8

S12 (Metal): (16) 8*22*2

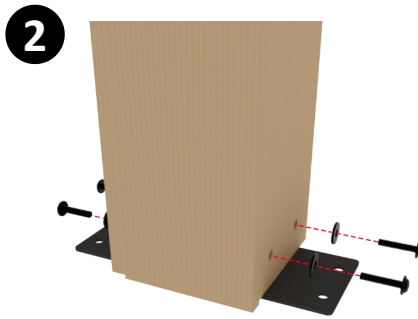
S1: (16) M8*100



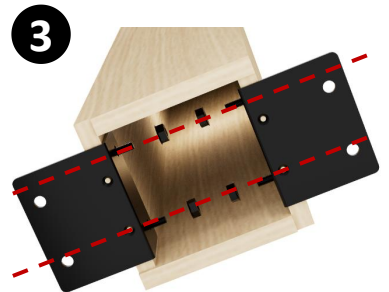
Post Anchor
x 8



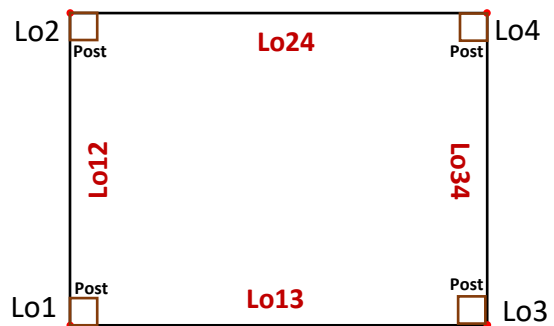
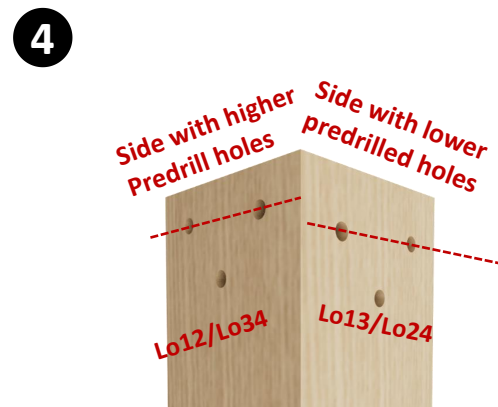
- The side with 4 pre-drilled holes is the post bottom.
- Position Post Anchor at the bottom of Post. Align the holes on Post Anchor to holes on Post.



- Slide screw 4x **S2** through washer 4x **S12** and then insert into Anchor and Post.



- Thread nut 4x **S6** onto the end of the screw. Tighten using the provided Ratchet Allen Key.
- Repeat Steps 1-3 for all remaining Post Anchors.



IMPORTANT TO Verify Post Sides: Observe the top of each post. The side with **higher** pre-drilled holes should be parallel with **Lo12 or Lo34**, while the side with **lower** predrilled holes should be parallel with **Lo13 or Lo24**.

- Place the 4 posts on the previously marked locations: Lo1, Lo2, Lo3, and Lo4 as shown.

5



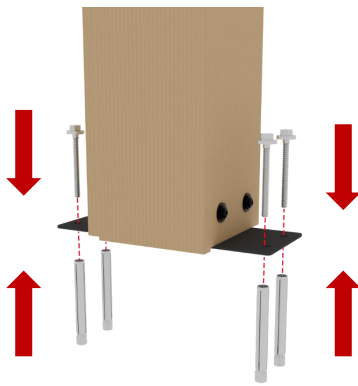
- After positioning the posts correctly, mark the locations of the 4 screw holes on the ground with a pencil.

6



- Move the posts aside and use a hammer drill to drill 4 pilot holes with a diameter of 3/8" and a depth of 4".

7



- Take 4x Sleeve Anchor **S1**, remove the bottom nut, insert the bolt to Post Anchor from top.
- Put the bottom nut back on the bolt from bottom of Post Anchor.

8



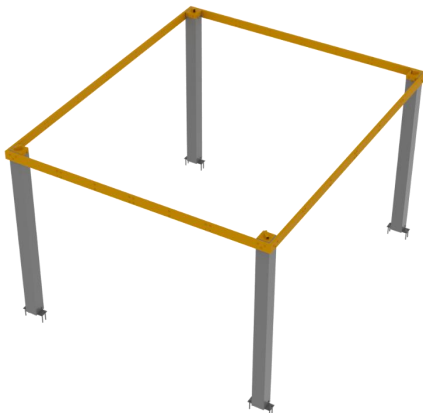
- Lift the post and insert the Sleeve Anchor **S1** into the pilot holes. Secure using a wrench.
- Repeat for the remaining Posts.

Step 2: Beam Installation

Required Components:


Beam B (B1*2, B2*2, B3*4, B4*2)

Beam C (C1*2, C2*2, C3*4, C4*2)




Required Hardware:

Pack 2

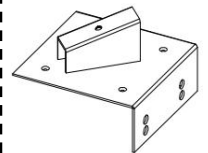
S2:  (48) M8*35

S12 (Metal):  (80) 8*22*2

S5:  (24) M8*200

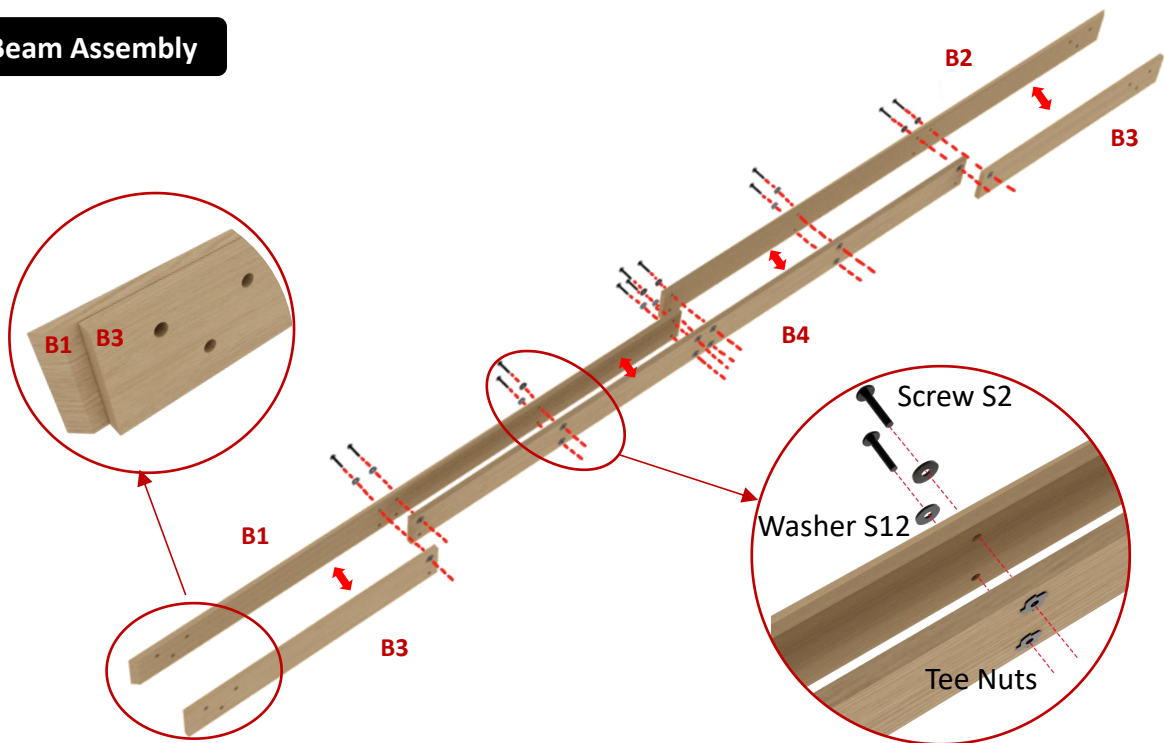
S6:  (24) M8

S10:  (16) 4*35

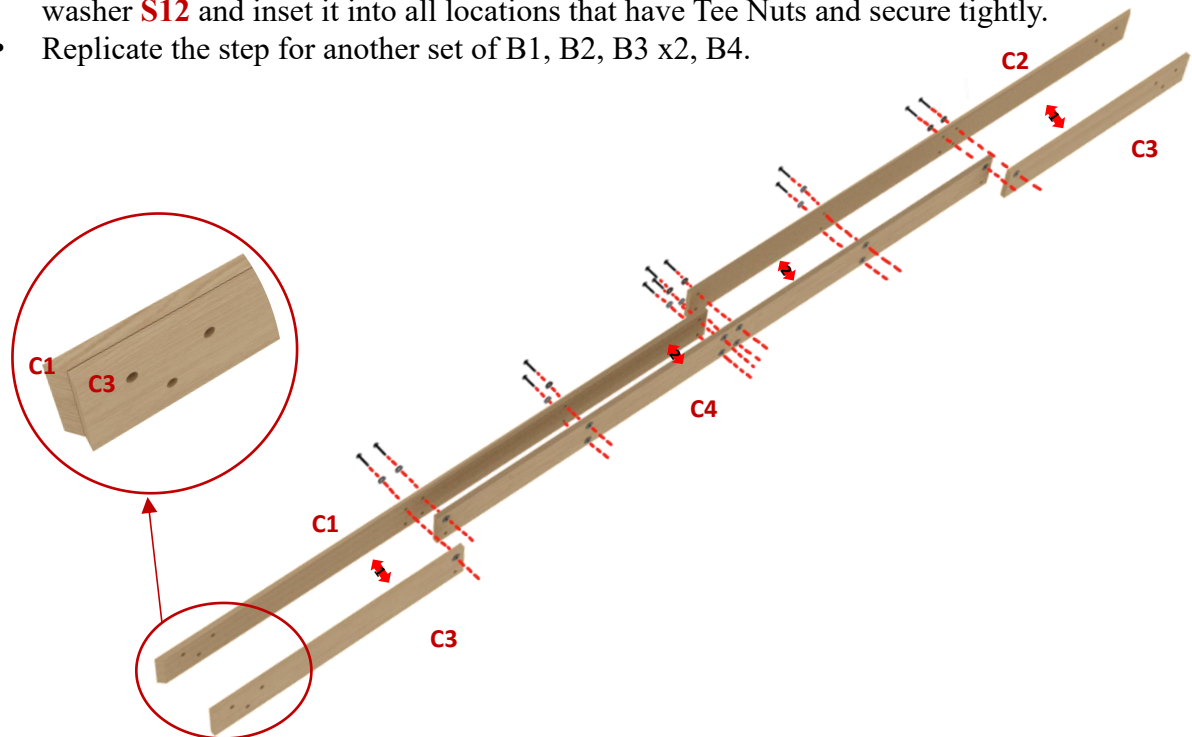


Post Clip
x 4

Beam Assembly



- Align the side of B3 without Tee Nuts against B1 (Left Side) and B2 (Right Side), ensuring the 3 pre-drilled holes are aligned. Secure with Tee Nuts using 1x washers **S12** and 1x screw **S2**. Replicate for another B1-B2-B3.
- Position the assembled B1-B2-B3 units at both ends of B4. Slide 10x screw **S2** into 10x washer **S12** and inset it into all locations that have Tee Nuts and secure tightly.
- Replicate the step for another set of B1, B2, B3 x2, B4.



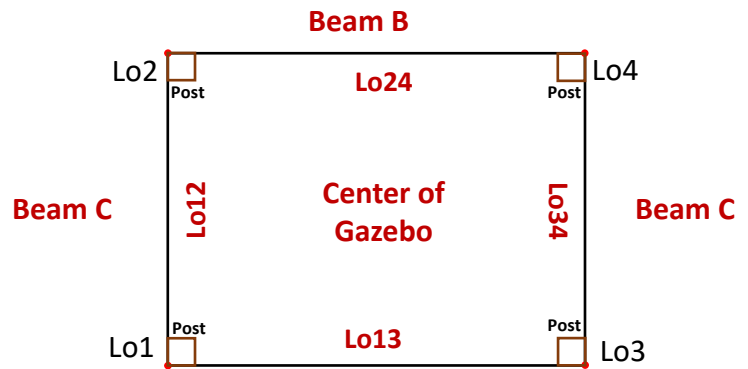
- Align the side of C3 without Tee Nuts against C1 (Left Side) and C2 (Right Side), ensuring the 3 pre-drilled holes are aligned. Secure with Tee Nuts using 1x washers **S12** and 1x screw **S2**. Replicate for another C1-C2-C3.
- Position the assembled C1-C2-C3 units at both ends of C4. Slide 10x screw **S2** into 10x washer **S12** and inset it into all locations that have Tee Nuts and secure tightly.
- Replicate the step for another set of C1, C2, C3 x2, C4.

Beam Installation:

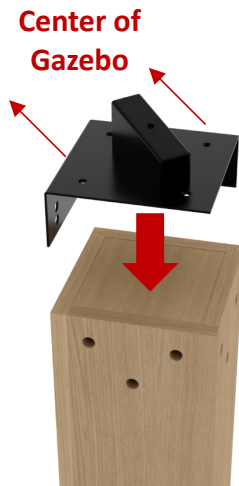
Installation Side:

Lo12, Lo34: Beam C

Lo13, Lo24: Beam B

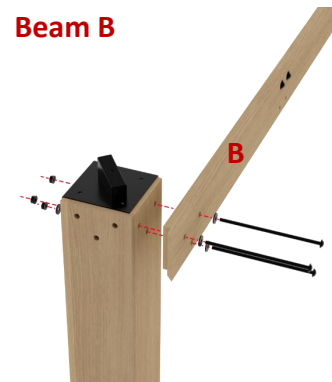


1



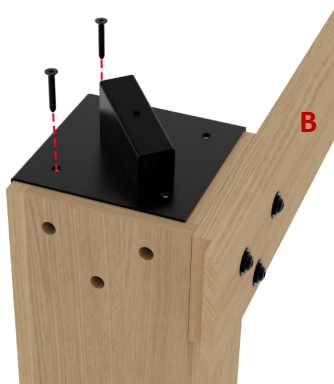
- Place Post Clip on the top of post. With the metal edges facing towards center of Gazebo. Replicate the step for all 4 Post Clips

2



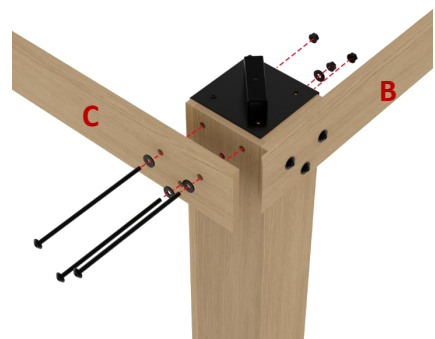
- You can start with Post **Lo1**: Lift Beam B and align it with the holes on the posts on **Lo13** side. Slide 3x screw **S5** into 3x washer **S12** and insert it into Post. Place 1 washer on the bottom screw **ONLY** (no washer needed for the other 2 screws) and thread 3x nut **S6** onto the end of all screws. Tighten using the Ratchet Allen Key.
- Replicate the step on the other end of Beam B with Post **Lo3**.

3



- Drill 2x screw **S10** into the two holes on Post Anchor that are farthest from the Beam B. Replicate the step on the post at the other end of Beam B.

4



- For **Lo12** Side, Lift Beam C and align it with the holes on the posts. Slide 3x screw **S5** into 3x washer **S12** and insert it into Post. Place 1 washer on the bottom screw **ONLY** (no washer needed for the other 2 screws) and thread 3x nut **S6** onto the end of all screws. Tighten using the Ratchet Allen Key.
- Replicate the step on the other end of Beam C with Post **Lo2**.

5



- Drill 2x screw **S10** into the left two holes on Post Anchor

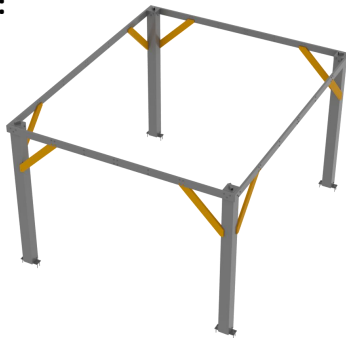
Pro Tips: When drilling the rest two screws on Post Clip, tilt the drill slightly for easier installation.

6

- Replicate the above steps until 2 Beam B and 2 Beam C are installed, and all 4 Post Anchors are fastened with 4 screws

Step 3: Corbel Installation

Required Components:
Corbel D (D1*4, D2*4)




Required Hardware:

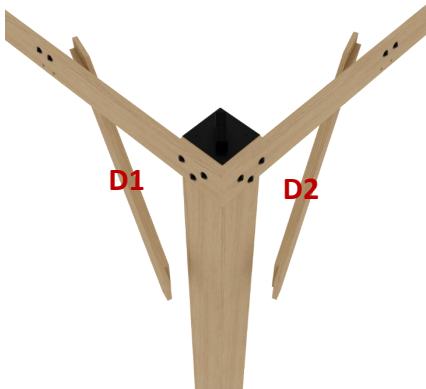
Pack 3

S3:  (16) M8*50

S12 (Metal):  (16) 8*22*2

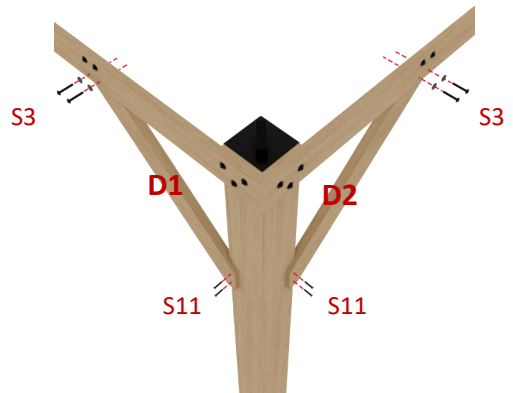
S11:  (16) 5*35

1



- Place the Corbel D1, D2 in place with the side with Tee Nut facing inside. Standing outside of the post, D1 will be your left-hand side and D2 at your right-hand side.

2



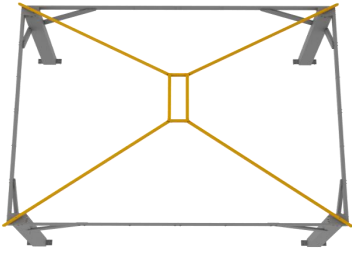
- Align the holes on Corbel D1 with Beam, Corbel D2 with Beam, and secure using 4x washer **S12** and 4x screw **S3**. Push the other end of the Corbel tightly against Post and fasten with 4x screws **S11**.
- Replicate the step for 4 corners to install all corbels.

Step 4: Rafter E & Ridge Board Installation

Required Components:

Rafter E*4

Ridge Board F*1



Required Hardware:

Pack 4

S8: (16) 4*16

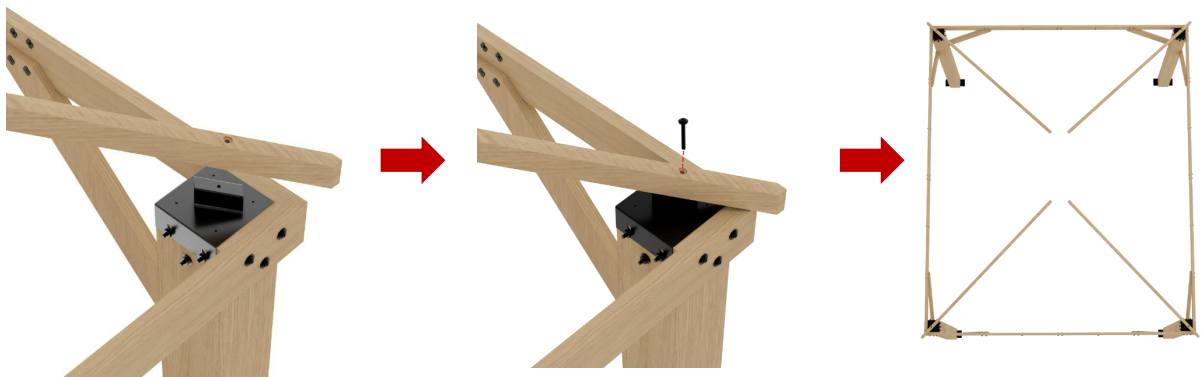
S9: (8) 4*25

S4: (4) M8*60



Bracket for
F x 4

1



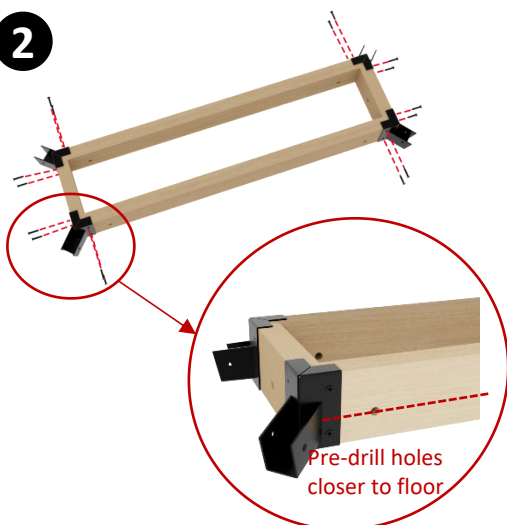
1-1

1-2

1-3

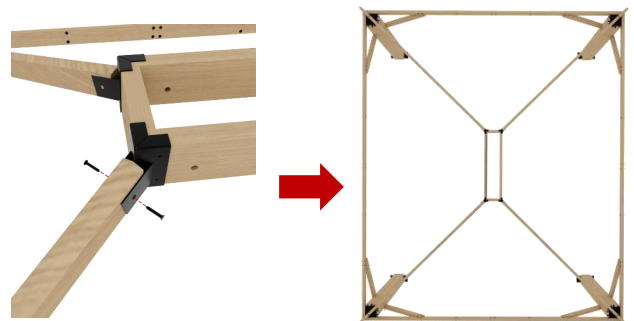
- Place Rafter E on Post Anchor as Figure 1-1. Align the hole on Rafter E with hole on Post Anchor.
- Insert screw **S4** into the aligned hole as Figure 1-2. Tight using the Ratchet Allen Key.
- Repeat the steps above for the remaining 3 rafters E to form shape 1-3

2



- Attach the 4x Bracket for F to Ridge Board F as shown. Fasten with 16x screw **S8**.
- The pre-drilled holes on Ridge Board F are closer to floor.

3



3-1

3-2

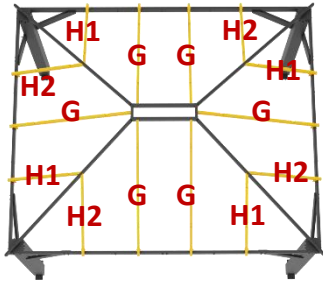
- Attach Rafter E onto Bracket for F attached to Ridge Board F using screw 2x **S9**. **Make sure Rafter E and Ridge Board F are tightly together.**
- Replicate the step for rest 3 Rafter E to form Figure 3-2

Step 5: Rafter G & H Installation

Required Components:

Rafter G*6


Rafter H(H1*4, H2*4)



Required Hardware:

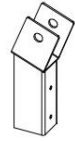
Pack 5

S3:  (14) M8*50

S9:  (28) 4*25

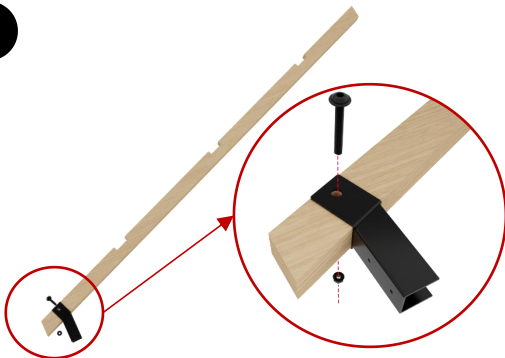
S6:  (14) M8

S7:  (6) M6*30



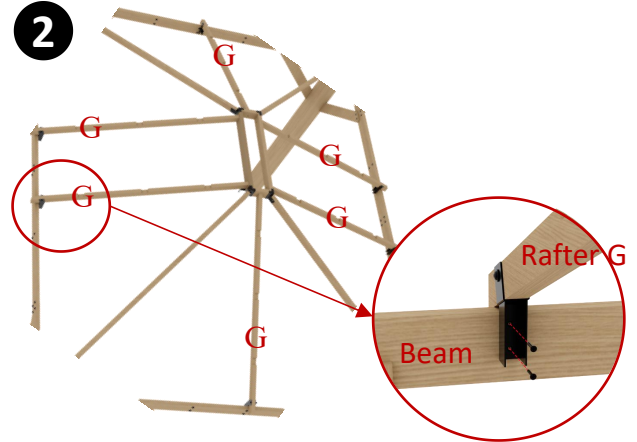
Bracket for
G&H x 14

1



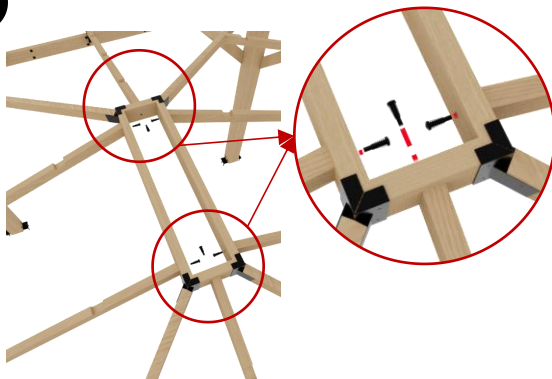
- Find the Rafter End with pre-drilled hole
- Align the pre-drilled holes with the holes on the Bracket as show. Secure them with screw **S3** and nut **S6** using Ratchet Allen Key.
- Replicate this step for all Rafter G and Rafter H

2



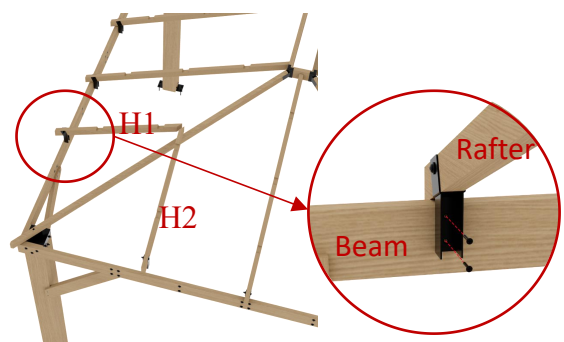
- Attach the side of Rafter G with the Bracket to Beam B and C using 2 screw **S9** through pre-drilled holes on Beam B and C
- Replicate this step for all Rafter G.

3



- Secure the other end of Rafter G and to Ridge Board F with 6 screw **S7** by using Allen Key through pre-drilled holes on both Rafter and Ridge Board.

4

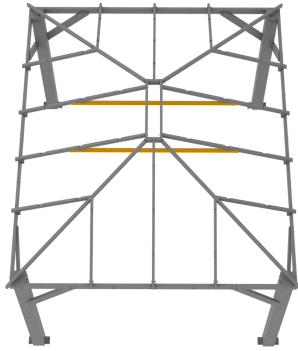


- Attach the side of Rafter H with the Bracket to Beam B and C using 2 screw **S9** through pre-drilled holes on Beam B and C
- Replicate this step for all Rafter H.

Pro Tips: Do not screw the Rafter H with Rafter E in this Step

Step 6: Roof Joist Installation

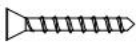
Required Components:
Roof Joist I*2

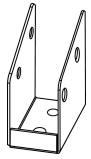


Required Hardware:

Pack 6

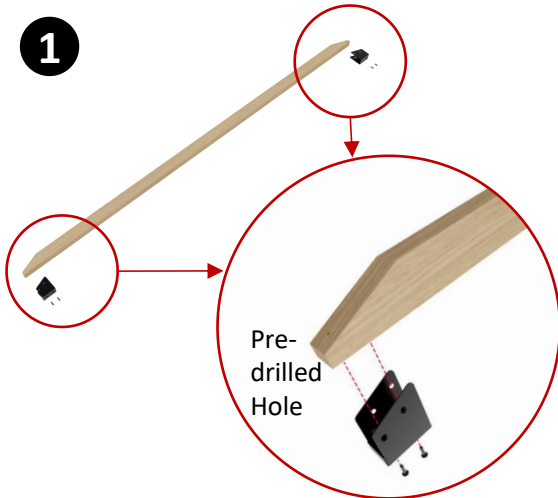
S8:  (8) 4*16

S9:  (16) 4*25



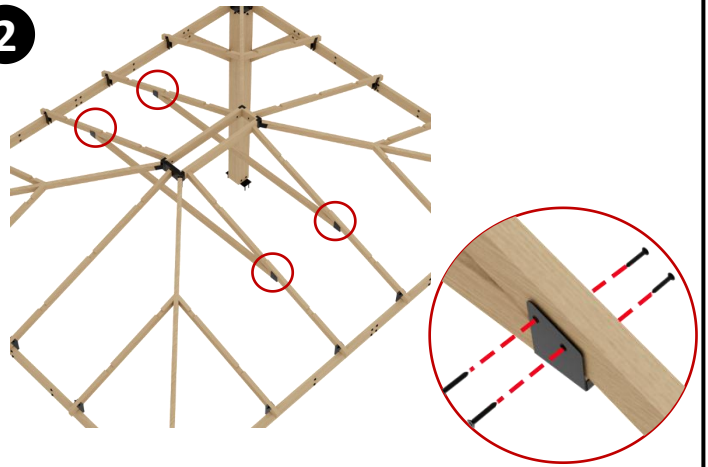
**Bracket for
I x 4**

1



- Slide the 2x Bracket onto both ends of Component I, secure them with 2 Screw **S8** from bottom. The outward hole is pre-drilled
- Replicate the step for the other Joist I.

2



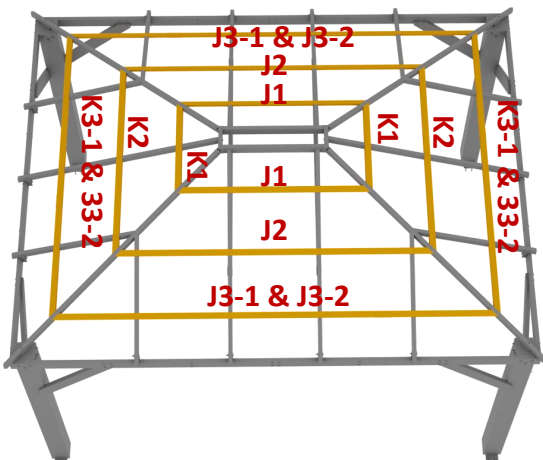
- Attach both Roof Joist I to Rafter G as shown.
- **Important:** Use a level to ensure it is **horizontal**. Secure both ends with screws **S9**.

Step 7: Purlin J&K Installation

Required Components:

Purlin J (J1*2, J2*2, J3-1*2, J3-2*2)

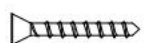
Purlin K (K1*2, K2*2, K3-1*2, K3-2*2)




Required Hardware:

Pack 7

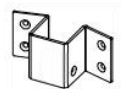
S8:  (72) 4*16

S9:  (58) 4*25

S10: 
(16) 4*35

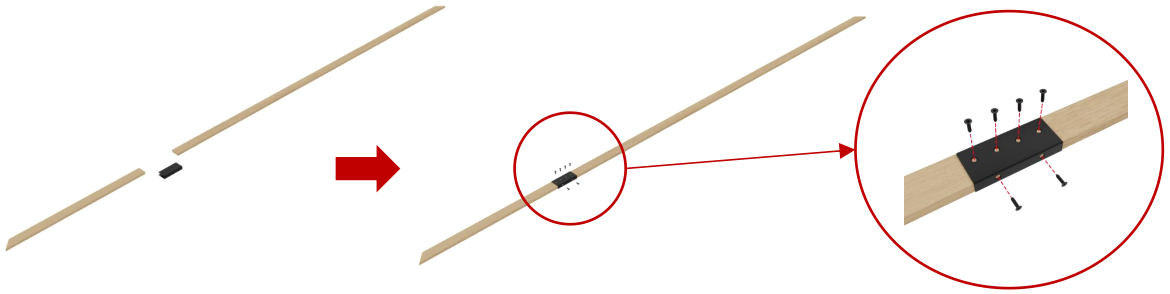


**Connector
x 4**



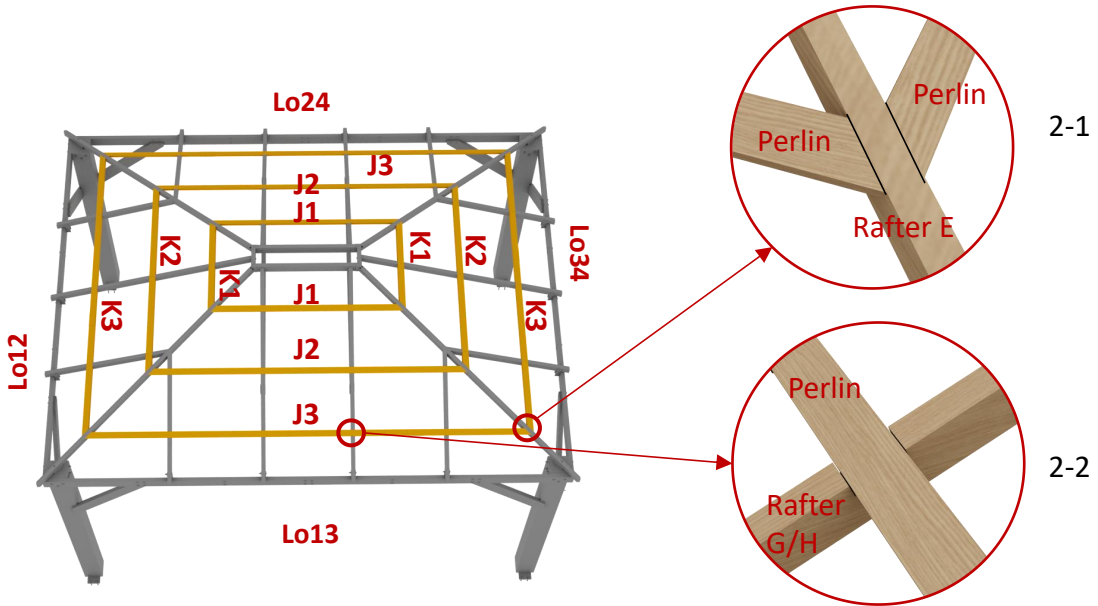
**Bracket for
J&K&E x 12**

1



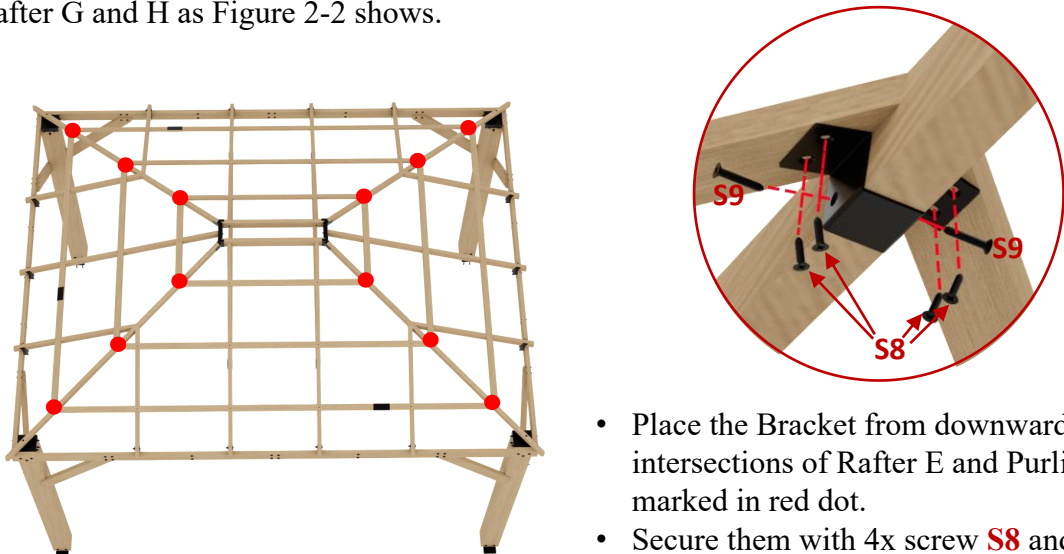
- Place Purlin J3-1 (or K3-1) and J3-2 (or K3-2) in the positions shown. Slide the Connector onto the two halves as shown.
- Push the two Purlin halves firmly together and fasten the two-hole side of the Connector first using screw **S8**, then tighten the four-hole side of the connector using the same screw to from J3 (or K3).
- Replicate the step to form 2x J3 and 2x K3

2



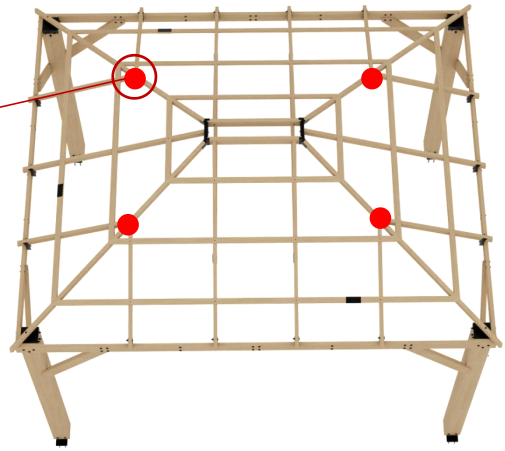
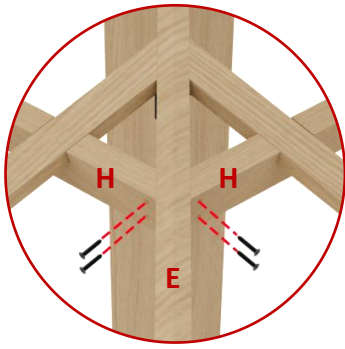
- Place Purlin J1/J2/J3/K1/K2/K3 on Rafters as shown. The longer J1/2/3 is parallel to Lo13/ Lo24, and the shorter K1/2/3 is parallel to Lo12/ Lo34.
- The end of Purlin J1/J2/J3/K1/K2/K3 should connect with Rafter E as Figure 2-1 shows. And where J1/J2/J3/K1/K2/K3 intersect with Rafter G and H should falls in the grooves on Rafter G and H as Figure 2-2 shows.

3



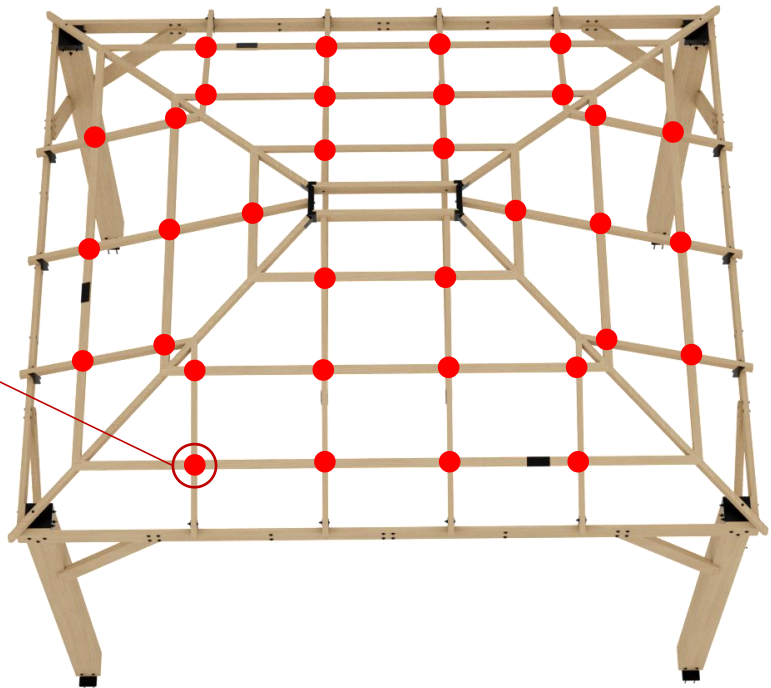
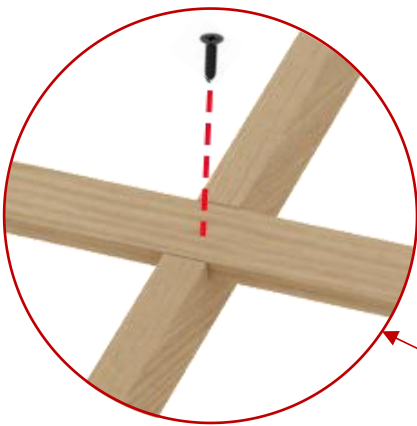
- Place the Bracket from downward at all 12 intersections of Rafter E and Purlins marked in red dot.
- Secure them with 4x screw **S8** and 2x **S9** as shown.

4



- Secure all Rafter H to Rafter E with screws **S10** as shown.

5



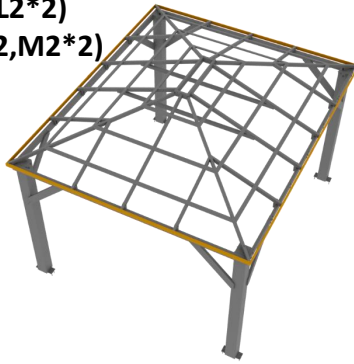
- Secure all intersections of Purlins J & K with Rafter G &H (marked in red dot) with screws **S9**. Use a 1/8 drill bit to pre-drill a pilot hole at a depth of 3/8" and fasten with screws **S9**
- There are 34 intersections in total, starting from the outermost intersection, and work towards the center intersections

Step 8: Fascia Board Installation

Required Components:

Fascia Board L (L1*2, L2*2)

Fascia Board M (M1*2, M2*2)

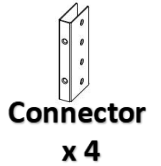


Required Hardware:

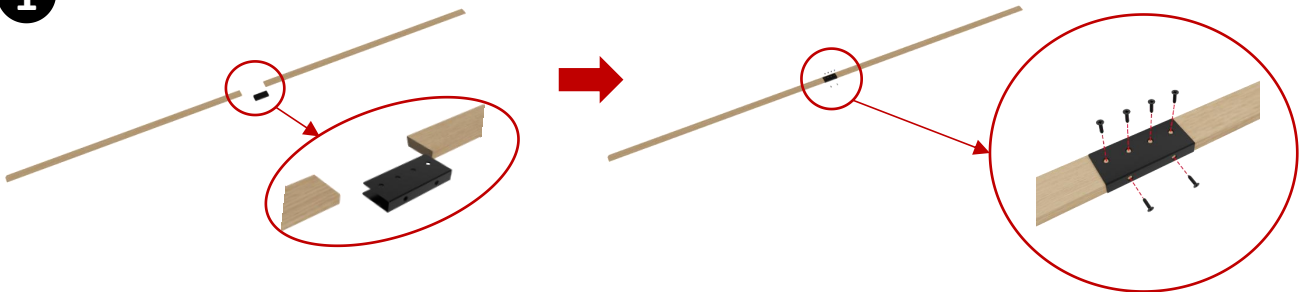
Pack 8

S8:  (24) 4*16

S10:  (22) 4*35



1



- Place M1 (or L1) and M2 (or L2) in the positions shown above. Slide in the connector. Push the two Fascia Board halves firmly together. Secure the two-hole side of the connector first using screw **S8**, then tighten the four-hole side using the same screw.
- Replicate the step to connect all L1 to L2 and M1 to M2 to form 4 long Fascia Board
- L is placed outside of Beam B (parallel to Lo13 & Lo24). M is placed outside of Beam C (parallel to Lo12 & Lo34)

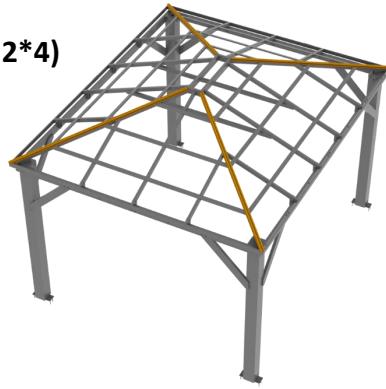
2



- Place Fascia L and M on the outside of Beam and attach them to Rafters E, G, and H (Figure 2-1). Ensure the ends of Fascia L and M are aligned with Rafter E (Figure 2-2). Use a 1/8" drill bit to pre-drill a pilot hole at a depth of 3/8". Create a suitable countersink for the screw head, then fasten with 2x screws **S10**.
- At each intersection of L (or M) with Rafter G and H (Figure 2-3), use a 1/8" drill bit to pre-drill a pilot hole at a depth of 3/8". Create a suitable countersink for the screw head, then secure with screws **S10**. There are 14 intersections with Rafter G and H in total.

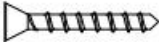
Step 9: Ridge Cap Channel N Installation

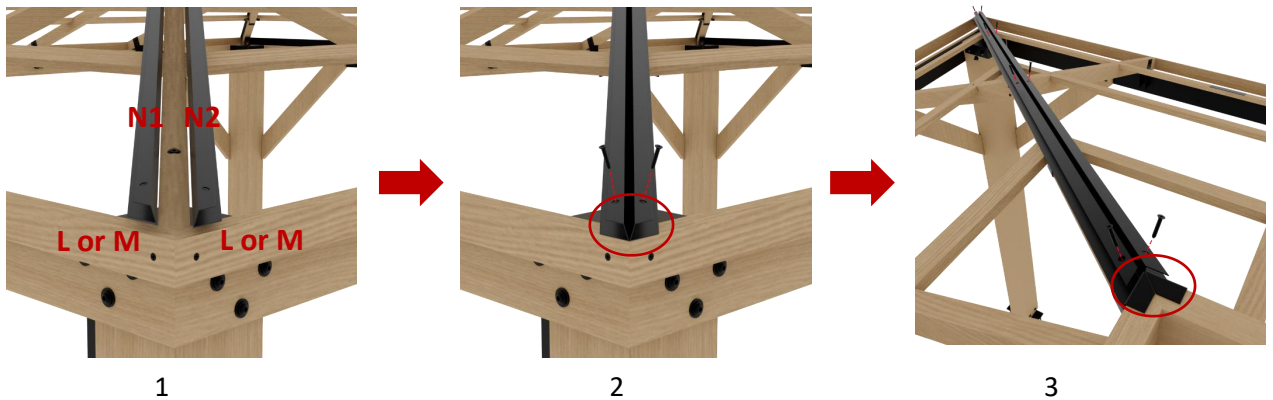
Required Components:
Ridge Cap Channel (N1* 4, N2*4)



Required Hardware:

Pack 9

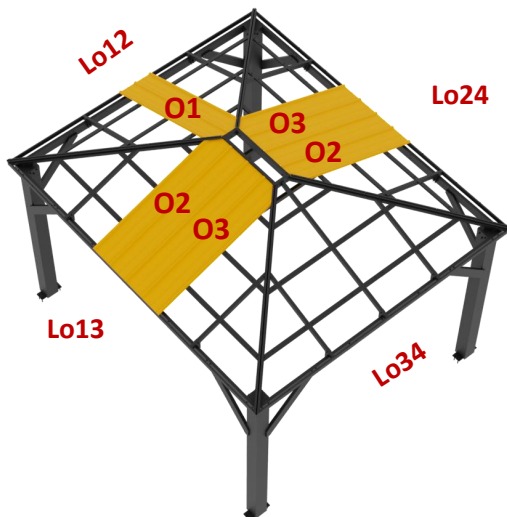
S9:  (32) 4*25



- Place Ridge Cap Channel N1 and N2 on Rafter E as shown (Figure 1). The lower end of N1 and N2 must be flush with the end of Fascia Board L and M (Figure 2). The upper end the of the of N1 and N2 must be flush with the bracket of Ridge Board F as shown (Figure 3)
- Secure them with screw **S9**. Replicate the step for all Ridge Cap Channels.

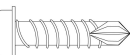
Step 10: Steel Roof Installation 1

Required Components:
Steel Roof Panel O (O1*1, O2*2, O3*2)

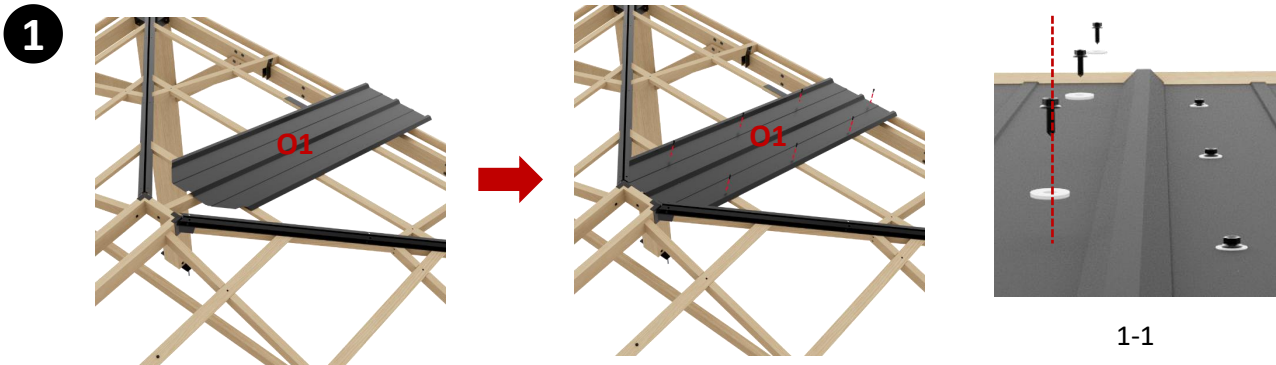


Required Hardware:

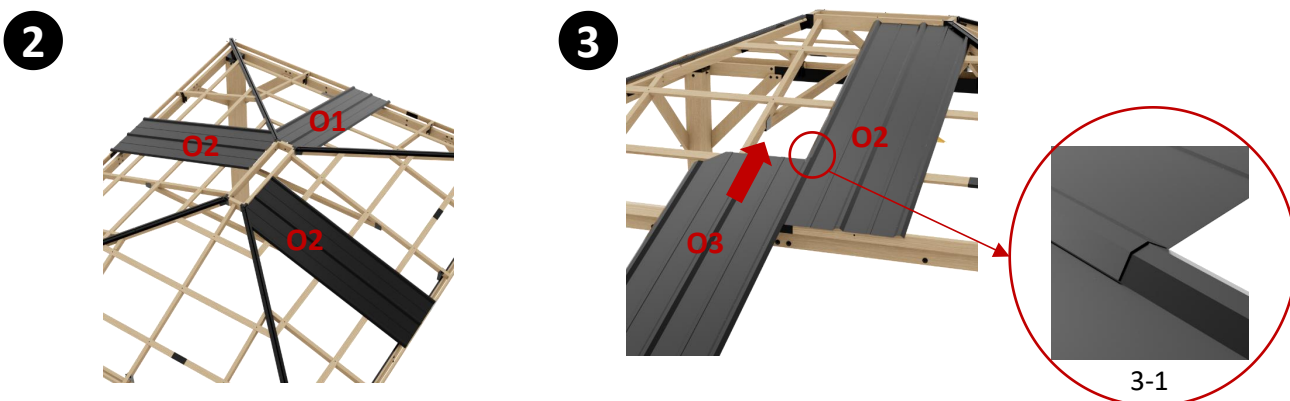
Pack 10

S13:  (35) M4*20

S14 (Plastic):  (35) M5*10*2



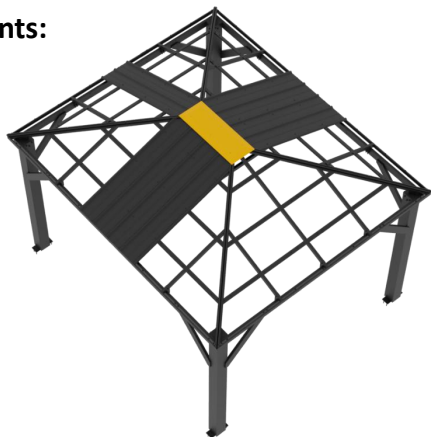
- Place Steel Roof Panel O1 on Purlin K, Fascia Board M and Rafter G on the side Lo12, making sure the top of O1 slides firmly contact with two Ridge Cap Channel N.
- Secure it with screw **S13** and plastic washer **S14** to Purlin K1/2/3 and Fascia Board M.
- Please **ONLY** secure screws at flat surface of steel roof, not the rib (Figure 1-1)



- Place both O2 on Purlin J, Fascia Board L and Rafter G, making sure the top left of O2 firmly contact with Ridge Cap Channel N.
- Secure it with screw **S13** and plastic washer **S14** to Purlin J1/2/3 and Fascia Board M.
- Place O3 on O2, making sure the raised rib overlaps the rib of the previous panel (Figure 3-1)
- Slide O3 up until the top right of O3 firmly contact with Ridge Cap Channel N.
- Secure it with screw **S13** and plastic washer **S14** to Purlin J1/2/3 and Fascia Board M.

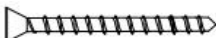
Step 11: Steel Roof Installation 2

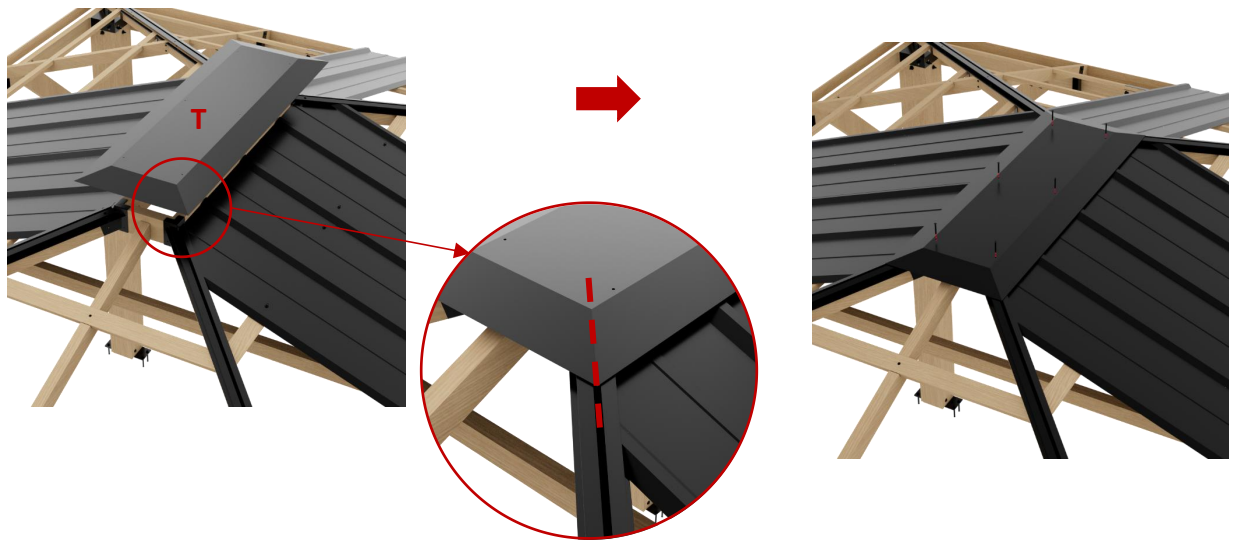
Required Components:
Ridge Peak Cap T



Required Hardware:

Pack 11

S10:  **(6) 4*35**

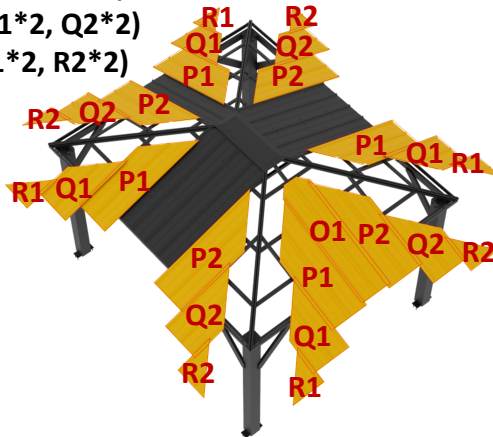


- Place and center Ridge Peak Cap T on top of Ridge Board F, making sure the four corners of it are flush with the center of the gap between the two Ridge Cap Channel N.
- Fasten using screw **S10**.

Step 12: Steel Roof Installation 3

Required Components:


- Steel Roof Panel O (O1*1)
- Steel Roof Panel P (P1*2, P2*2)
- Steel Roof Panel Q (Q1*2, Q2*2)
- Steel Roof Panel R (R1*2, R2*2)

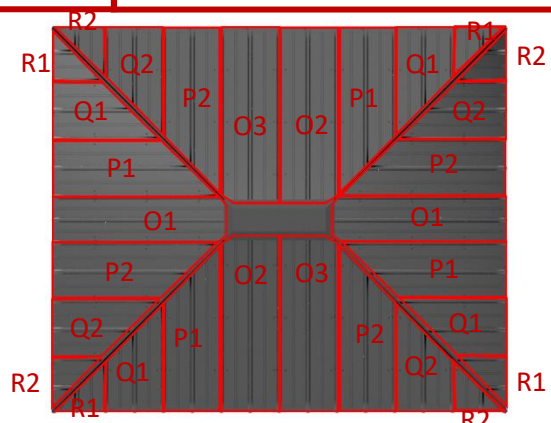
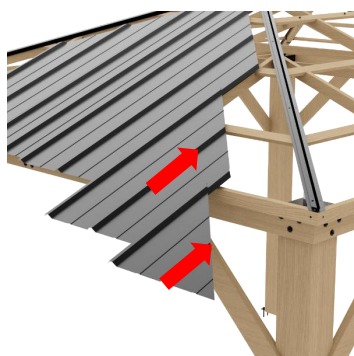


Required Hardware:

Pack 12

S13:  (115) M4*20

S14 (Plastic):  (115) M5*10*2



- Install Steel Roof Panel O1 and the rest Steel Roof Panel P, Q, R following the same steps.
- Make sure every 2 panel overlaps by one rib, and side of panel firmly contact with Ridge Cap Channel N