

LANDMARK PAVILLION ASSEMBLY GUIDE



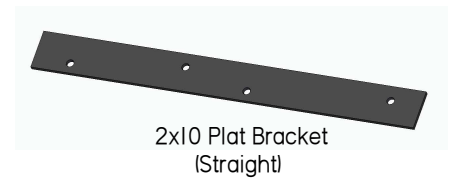
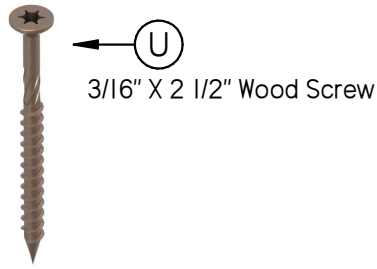
Thank you for choosing Pergola Kits USA Inc.

- **Easy step-by-step instructions**
- **Helpful Hints**
- **Tools and hardware list**
- **Easy to follow drawings**
- **Visual Illustrations**

- **Hardware List / Tools Required**
- **Pavilion Parts**
- **Post Placement / Bracket Pre-assembly**
- **Concrete / Deck / Patio Paver Application**
- **Post Trim / Beam Installation**
- **Roof Plate Installation**
- **Rafter Installation**
- **Sheathing Installation**
- **Roofing Material Installation**
- **Trim Installation**
- **Warranty Information**

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- Pg. 2
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- Pg. 11

Hardware



Tools Required

Suggested People Required For Assembly - (2)



Safety Glasses



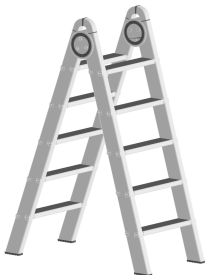
Socket Wrench with 9/16" Socket



Level



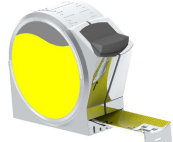
Hammer Drill with 3/8" Concrete Drill Bit



Step Ladders - (2)



Drill



Tape Measure



Simpson RPBZ Anchor Bracket



2x10 Plate Bracket (Angled)



T25 Torx Drive Bit

Required for inground applications



Footer Pad
(Reuired 1 Per Post)



Post Hole Digger

Hardware Quantity List

Pavilion Size	Simpson RPBZ Brackets	Concrete Wedge Bolts	2 1/2" Wood Lags	1 1/2" Wood Lags	2 1/2" Screws	3" Screws	2x10 Plate Bracket (Angled)	2x10 Plate Bracket (Straight)
		T	S	P	U	W		
10 x 10	8	16	24	32	100	12	4	0
10 x 12	8	16	24	32	100	12	4	0
10 x 14	8	16	24	32	100	12	4	2
10 x 16	8	16	24	32	100	12	4	2
12 x 12	8	16	24	32	100	12	4	0
12 x 14	8	16	24	32	100	12	4	2
12 x 16	8	16	24	32	100	12	4	2
14 x 14	8	16	24	32	100	12	4	4
14 x 16	8	16	24	32	100	12	4	4

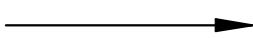
Pavilion Parts

Pavilion Parts Quantity

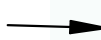
Pavilion Size	Posts	Beams	Rof Plates	Rafters	Sheathing	Post Caps (Bottom)	Drip Edge	Shingles (bundles)	Shingle Ridge Cap	Shingle Starter Strips	Metal (Pieces)	Metal Hip Cap
10 x 10	4	4	4	16	52	4	5	5	90	9	16	4
10 x 12	4	4	4	18	78	4	5	6	95	9	18	5
10 x 14	4	4	6	18	78	4	6	7	100	10	18	5
10 x 16	4	4	6	22	78	4	6	8	105	10	20	5
12 x 12	4	4	4	24	96	4	6	8	110	10	20	4
12 x 14	4	4	6	24	96	4	6	8	115	10	20	5
12 x 16	4	4	6	28	96	4	7	9	120	11	22	5
14 x 14	4	4	8	24	144	4	8	9	120	11	20	4
14 x 16	4	4	8	28	144	4	8	10	125	12	24	5

Hampton Pavilion Parts

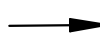
Beams



Roof Plates



Rafters



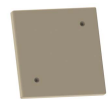
Sheathing



Ridge Block



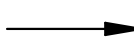
Post Cap



Post

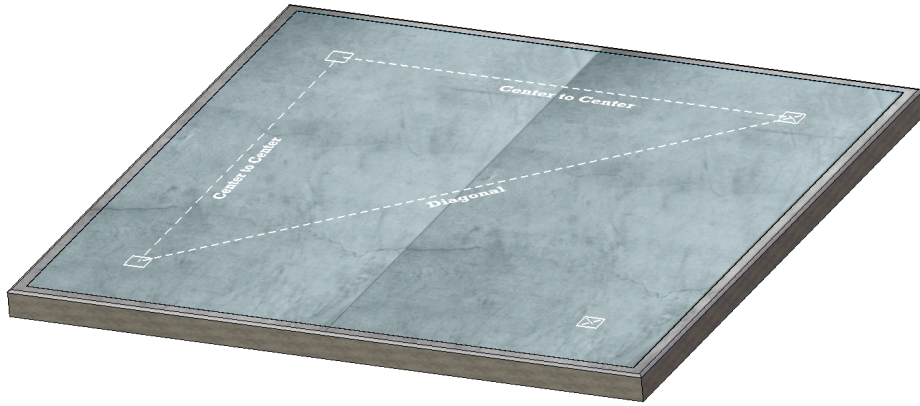


Ridge Pole



Step 1

Post Placement Layout



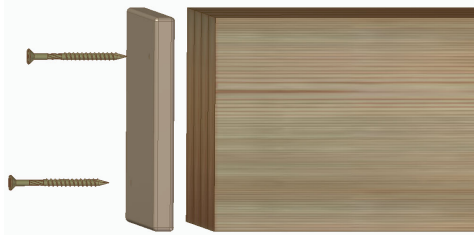
Post Layout Measurements

Pavilion Size	Center to Center	Diagonal
10 x 10	9'-5 1/4" X 9'-5 1/4"	13'-4"
10 x 12	9'-5 1/4" X 11'-5 1/4"	14'-9 3/4"
10 x 14	9'-5 1/4" X 13'-5 1/4"	16'-5"
10 x 16	9'-5 1/4" X 15'-5 1/4"	18'-1"
12 x 12	11'-5 1/4" X 11'-5 1/4"	16'-1 3/4"
12 x 14	11'-5 1/4" X 13'-5 1/4"	17'-7 1/2"
12 x 16	11'-5 1/4" X 15'-5 1/4"	19'-2 1/2"
14 x 14	13'-5 1/4" X 13'-5 1/4"	18'-11 1/4"
14 x 16	13'-5 1/4" X 15'-5 1/4"	20'-5 1/4"

Mark each post location. Each mark will be exact center of post.

Step 2

Bottom Post Cap Attachment



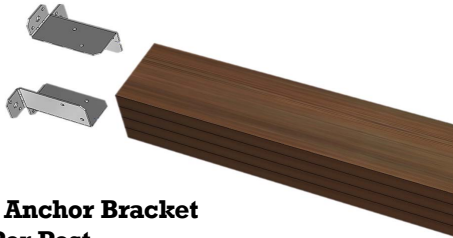
Type (U)
2 1/2" Wood Screw
x2 Per Post



Fasten a bottom post cap to the bottom of each post with type (U) wood screws. Ensure that the post cap is spaced evenly on all four sides of the post insert.

Post /Anchor Bracket Pre-assembly

Keep anchor bracket flush with bottom of post cap.



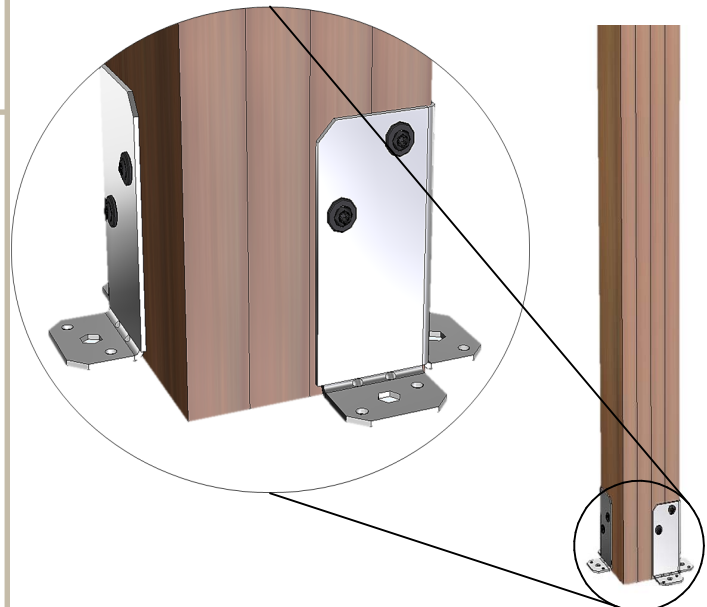
Concrete Anchor Bracket
X2 Per Post

Locate posts on center marks that you created in step 1. With pencil mark locations where concrete lags will be placed.

Fasten anchor brackets to bottom of post with type (P) wood lags.



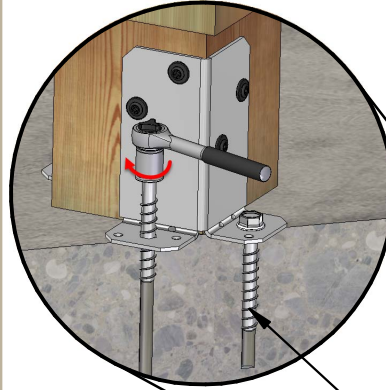
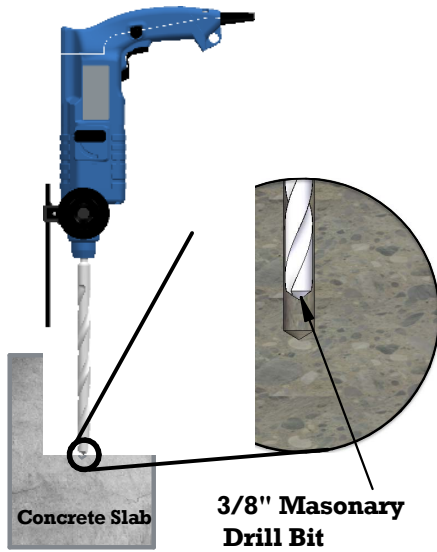
1/4" X 1 1/2" Wood Lag
X8 Per Post



Step 3

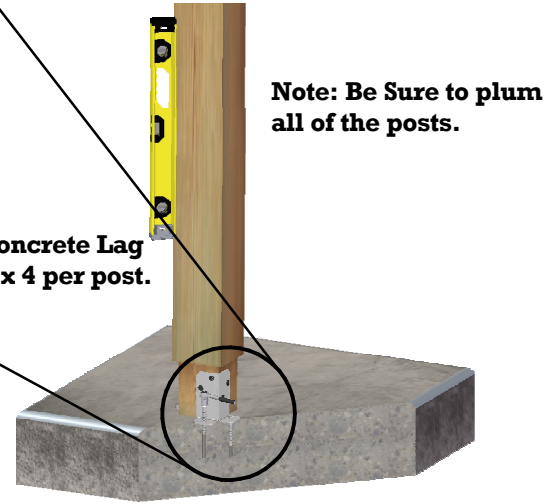
Fastening Posts To Concrete

Using a hammer drill with a 3/8" concrete bit, drill holes 1/2" deeper than the length of the type (T) lag.

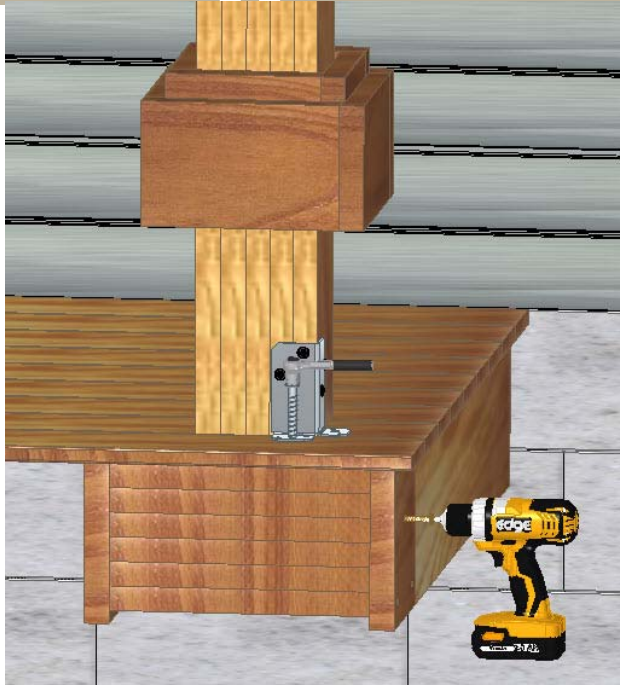


Fasten Posts to concrete slab using type (T) concrete lags.

Type (T) Concrete Lag
3/8" X 3" x 4 per post.



Deck Application

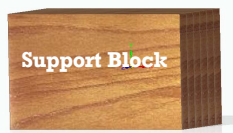


If your posts are not located so you can attach them to a floor joist, follow the below instructions.

Make a support block by cutting a generic treated board (not included) into 6 pieces that are the same length as the spacing inbetween the floor joists of your deck. Fasten the 6 pieces together using 2 1/2" deck screws (not included). You will need to make four blocks like this.

Fasten a support block inbetween the floor joists at the location of each pergola post. Push the block up against the deck boards and attach it by driving 3 1/2" deck screws (not included) through the sides of the floor joists and into the support block.

Now attach your pavilion posts to the deck as shown in the example above. The lags (type S) should go through the deck boards and into the support blocks.



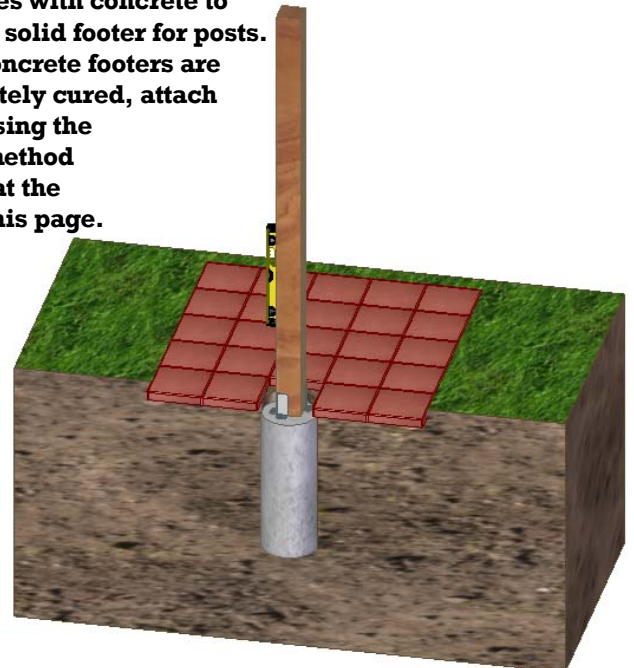
Patio Paver Application

WARNING!

Do not mount posts directly onto patio pavers. (PAVERS ARE NOT STABLE)



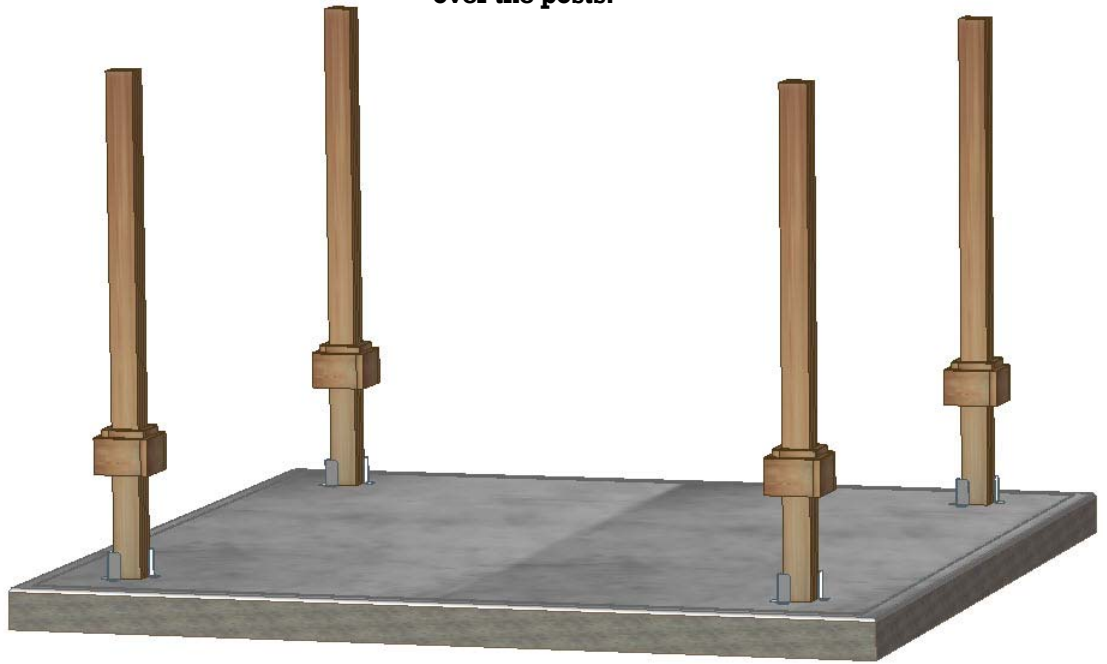
If installing on a paver patio, pavers should be removed at each post location. Dig holes 3 ft in depth or recommended hole depth your local building codes. Fill holes with concrete to create a solid footer for posts. After concrete footers are completely cured, attach posts using the same method shown at the top of this page.



Step 4

Post Trim Installation

Install post trim by sliding them down over the posts.

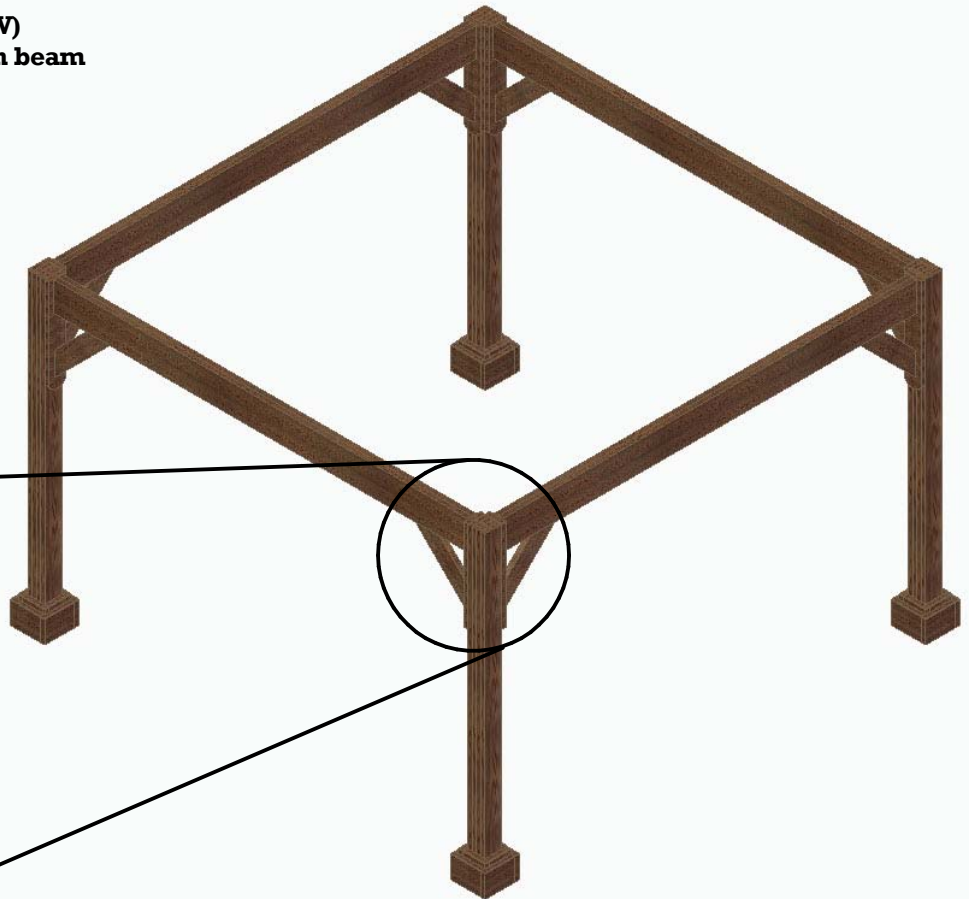


Step 5

Beam Installation

Install beams using 7- type (W) #8 x 3" screws at each end of each beam

NOTE:
Keep beams flush with top of posts and center beam on posts



Roof Plate Installation

Fasten the plates on top of the beams using type (U) 2 1/2" screws, keep the side of the plate flush with the center mark on the beam and the diagonal line drawn from corner to corner of posts.

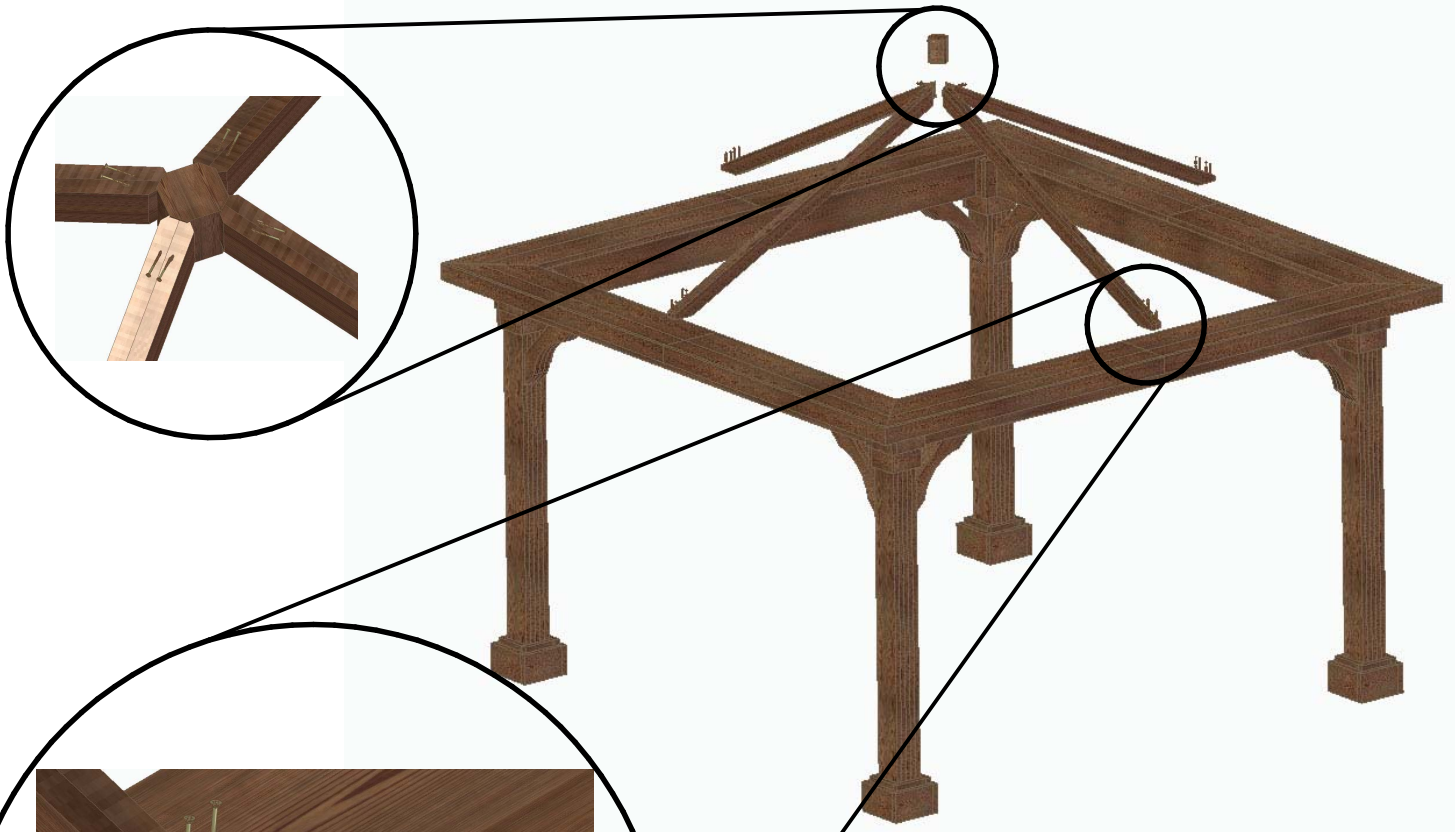


Keep the edge of the plate on the center line

Keep the edge of the plate on the center diagonal line drawn from corner to corner of post

Step 7

Rafter Installation



Install rafters at premarked locations, fasten with 4 -Type (W) screws at the bottom of each rafter and 2 screws at the top of the rafters

Rectangular roofs will have a ridge pole



Step 8

Rafter Installation (Cont.)

Install corner rafters at premarked locations, fasten with 4 -Type (W) screws at the bottom of each rafter and 2 screws at the top of the rafters



Step 9

Rafter Installation (Cont.)

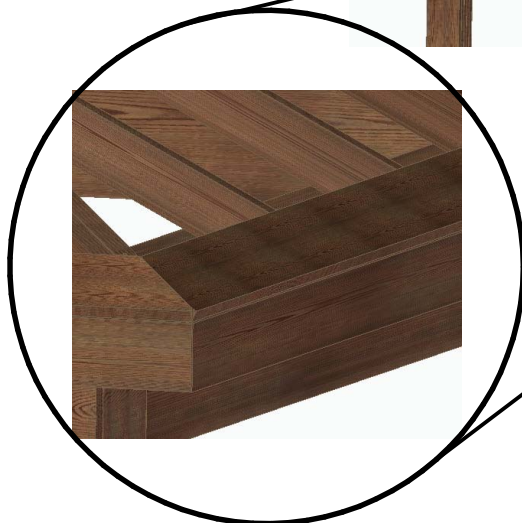
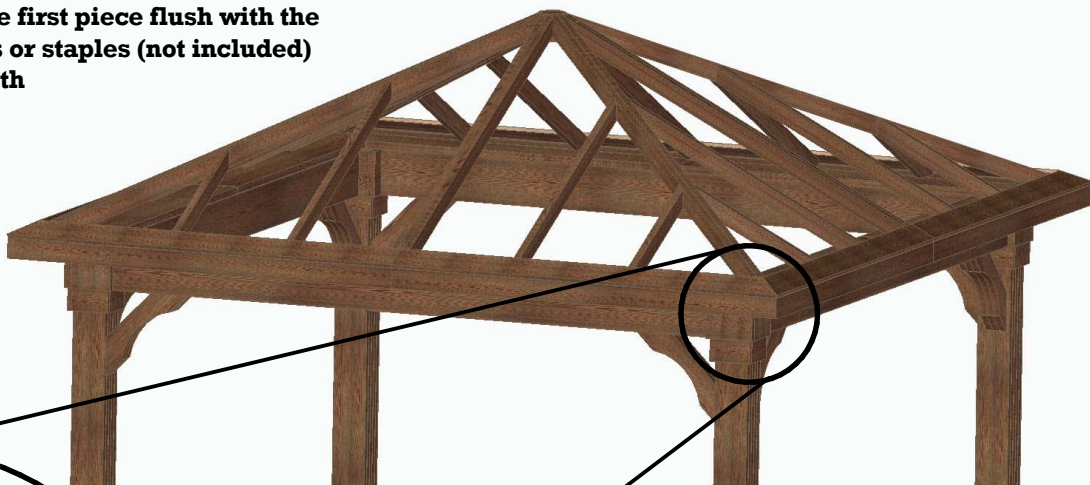
Install the rest of the rafters at premarked locations, fasten with 4 -Type (W) screws at the bottom of each rafter and 2 screws at the top of the rafters



Step 10

Sheathing Installation

**Install the 1x6 Sheathing, keep the first piece flush with the fascia and fasten with 1 1/2" nails or staples (not included)
All the sheathing is precut to length**



Step 11

Drip Edge Installation

Install Drip Edge along the bottom edge of the roof



Step 12

Metal Roofing Installation

Install the metal roofing panels using type (X) metal screws
Screw beside each rid along the bottom and the top of each panel
and beside every other rib throughout the center of the panels approximately 2' apart
Keep bottom edge of metal panels 1" below the drip edge
All metal pieces are cut to fit.



Step 13

Hip Cap Installation

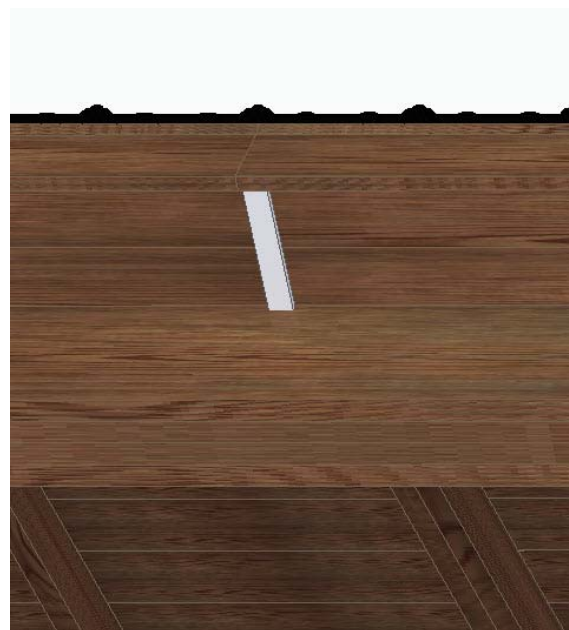
Install the hip cap using type (X) metal screws
Screw the hip cap to the metal roofing at each rib
The hip caps are cut and bent to fit at the bottom of each piece
but they will need to be cut to length .



Step 14

Plate Trim Installation

Install the plate trim over each splice underneath the roof overhang
trim will need to be cut to length (fastners not included)



Congratulations!
Enjoy your Landmark
Pavilion
with friends and family
for years to come.

