Craftcamp

12´x16´ Pergola Plan

Free vs. Premium Plan: What's the Difference?

We offer both free and premium versions of our detailed shed plans, designed to fit your needs and budget. Check out the table below to see the key differences and choose the plan that's right for you:

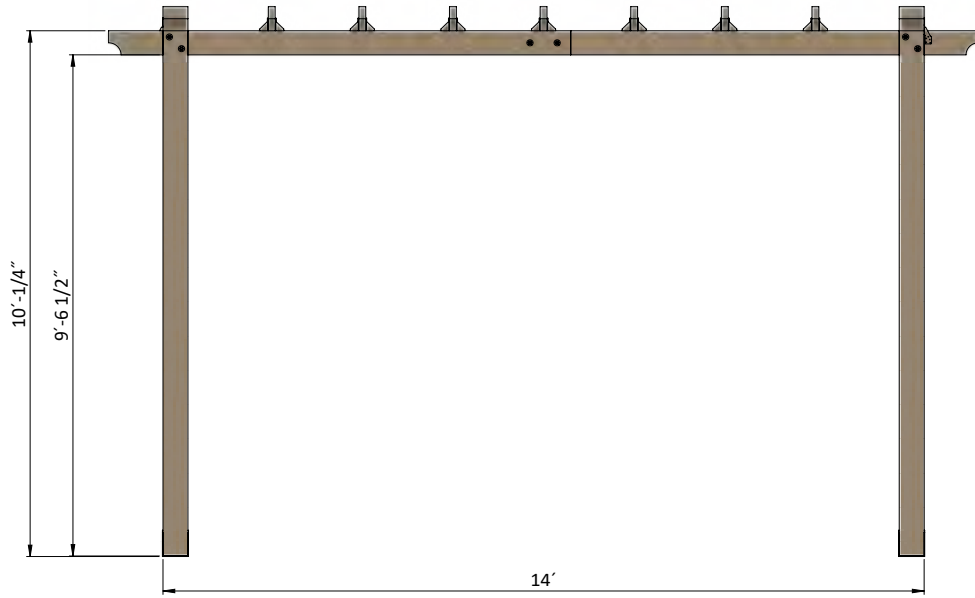| Features	Free Plan	Premium Plan
Steps Count	10	20
Illustrations per Step	Limited	Every Step
Print Ready Format	X	✓
Step-by-Step Instructions	Basic	Comprehensive
Full Materials & Cutting List	X	✓
Additional Illustrations	X	✓
Additional Blueprints	X	✓
Tools List	X	✓
Fastening Elements List	X	✓
Technical Support	X	✓

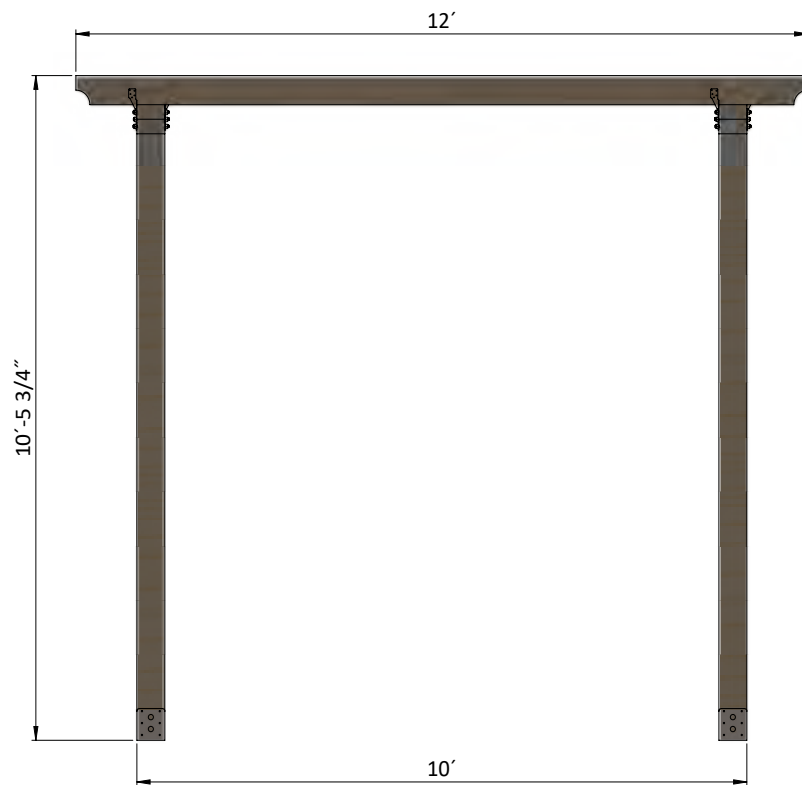## Try Premium Risk-Free

30-day refund policy with no questions asked.

12´ x 16´ pergola shopping list				
	Unit	**Qty**	**Size**	**Note**
Lumber (2x6)	pcs	7	12´	Rafters
Lumber (6x6)	pcs	8	10´	Posts, Joists
Lumber (6x6)	pcs	2	12´	Joists

Size & Dimensions
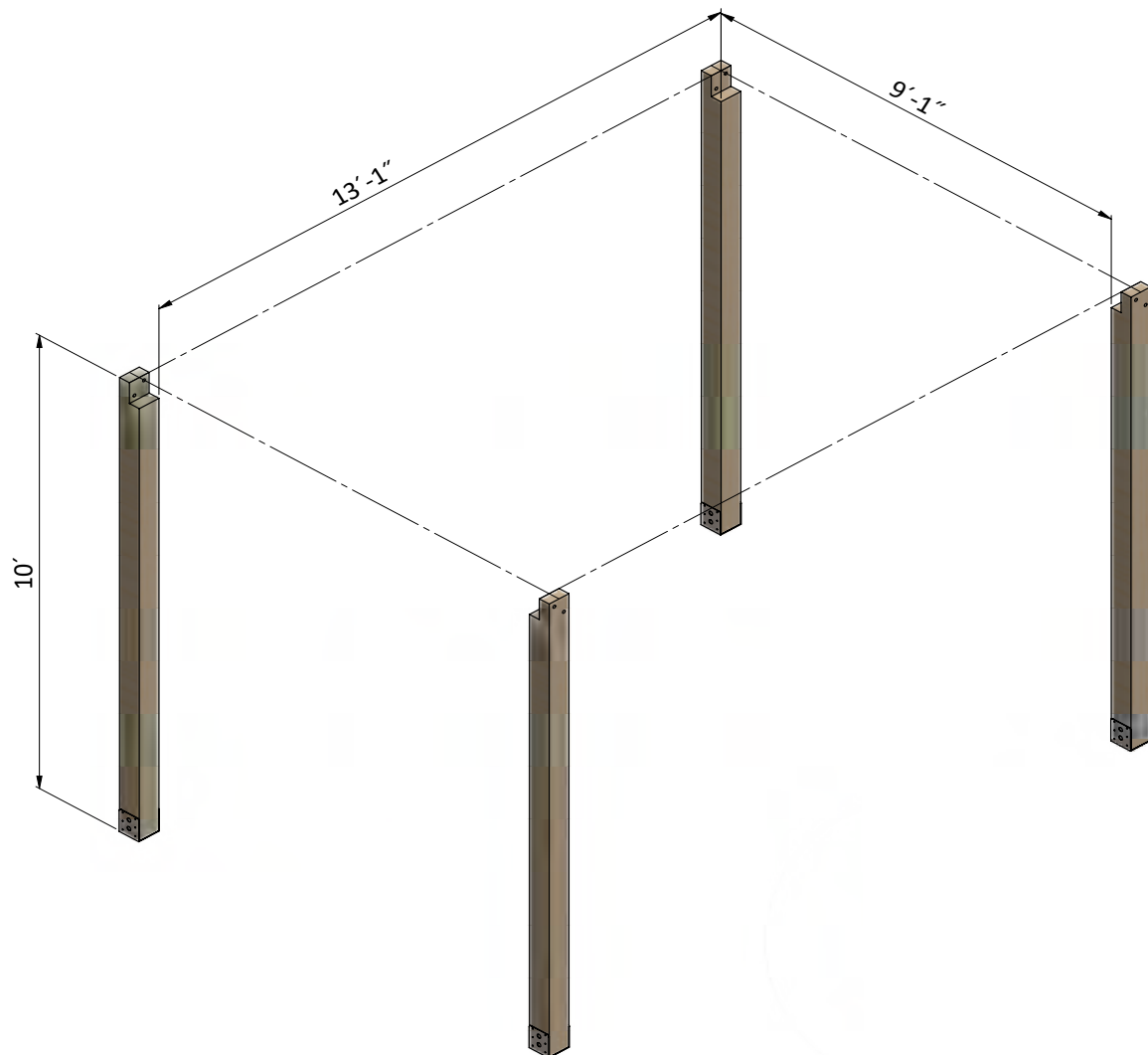
10′-1/4″

9′-6 1/2″

14′

12′

10′-5 3/4″

10′

3D View

Posts Installation

1.1 Using 6 x 6 lumber, prepare posts using the drawing below as a reference.
You will need four boards cut to 10´. Insert posts into the post bases and fix them with 3˝ wood screws.
Provide cuttings for splicing connection according to the drawing.

1.2 Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Assemble the Top Frame 1

2.1 Using 6 x 6 lumber, construct top frame using the drawing below as a reference.
You will need four boards cut to 8´-6˝ that will be joists. Provide cuttings for splicing connection according to the drawing.

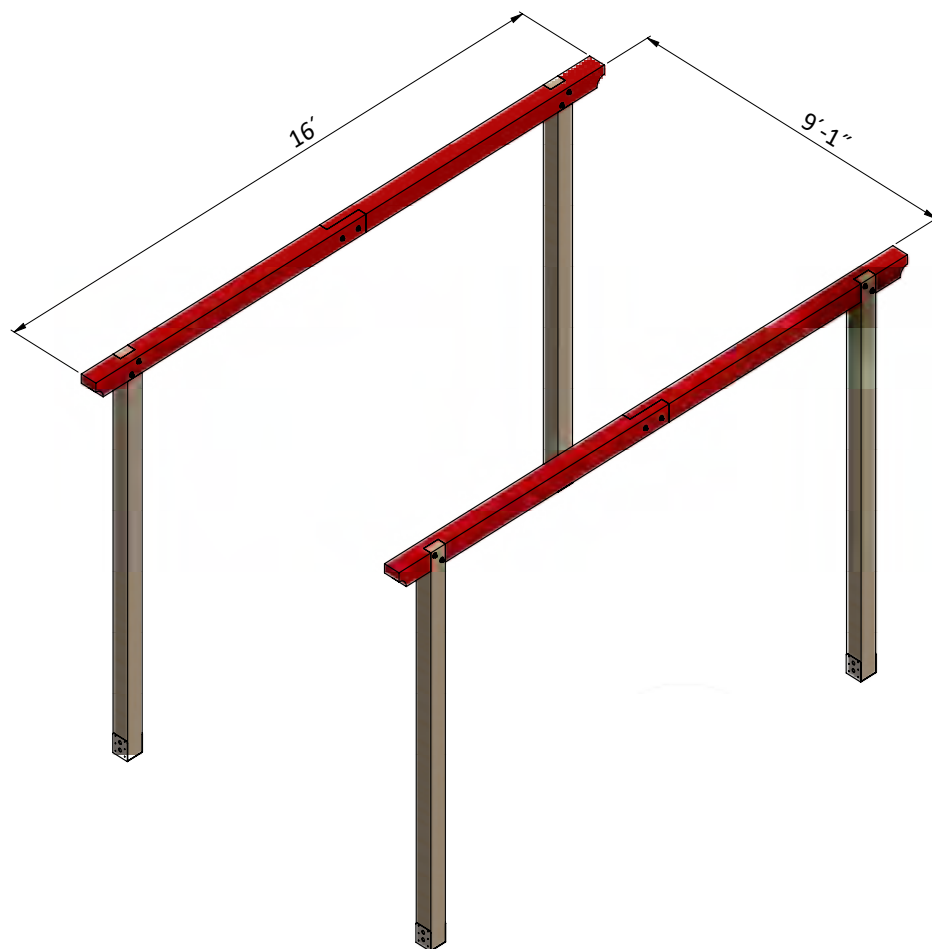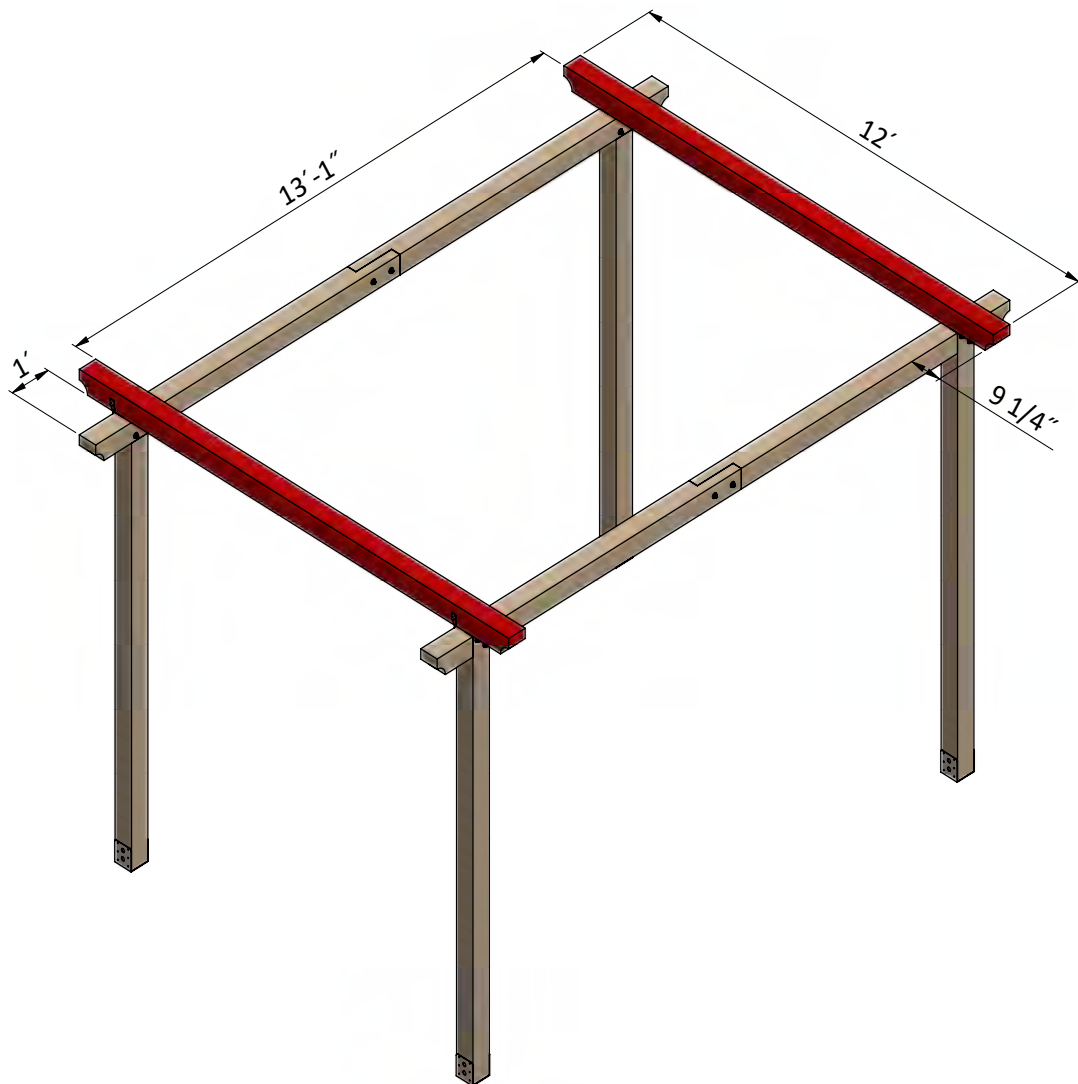**2.2** Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Assemble the Top Frame 2

3.1 Using 6 x 6 lumber, construct top frame using the drawing below as a reference. You will need two boards cut to 12´ that will be joists.

3.2 Connect the joists to pergola with H2.5A Hurricane ties.

3.3 Using a speed square or carpenter's square, check the corners to make sure they are 90°.
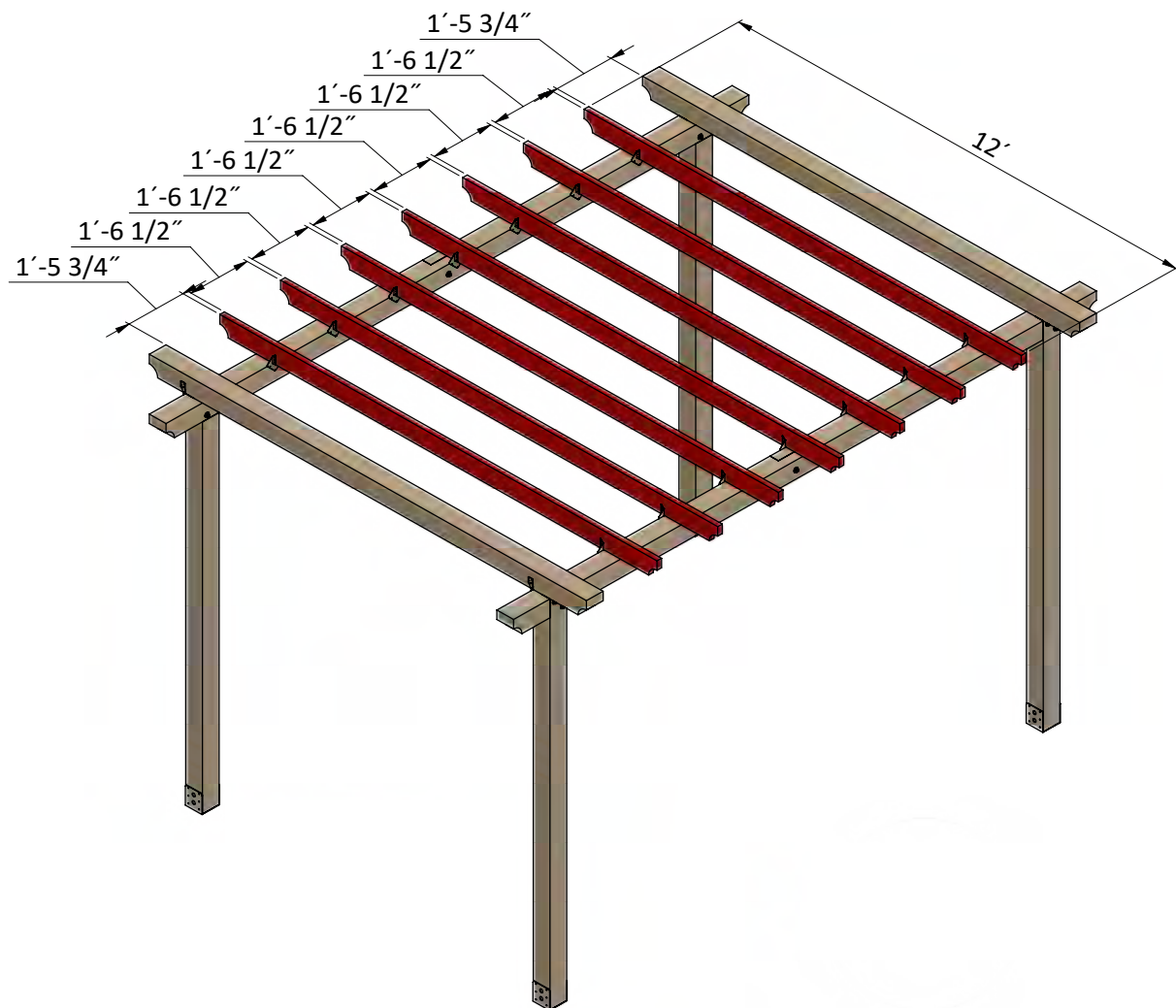
Assemble the Roof Frame

4.1 Using 2 x 6 lumber, construct roof frame using the drawing below as a reference. You will need seven boards cut to 12´ that will be rafters.
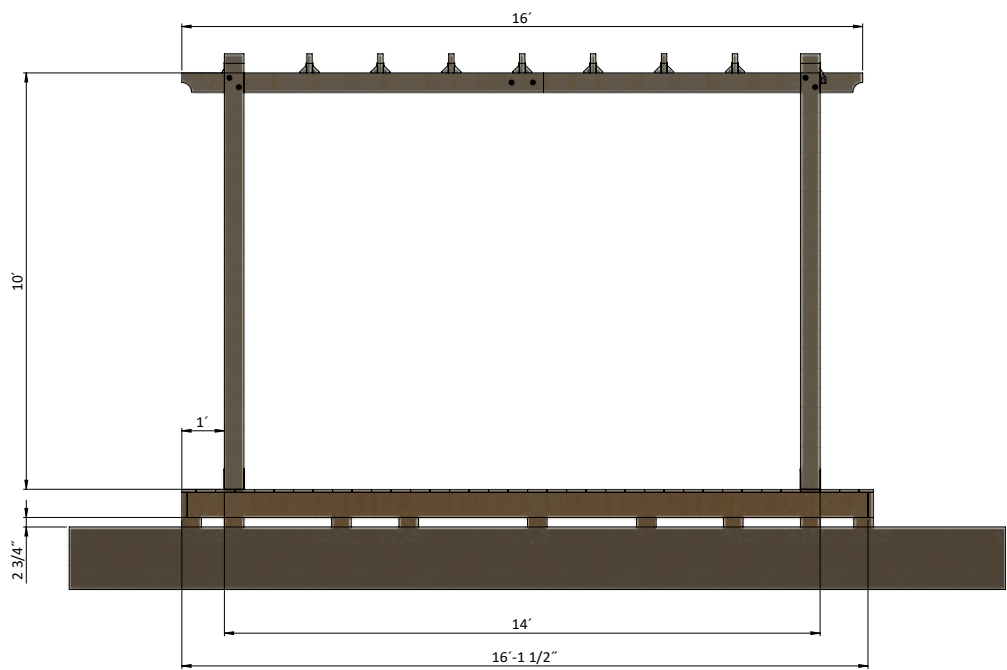
4.2 Connect the rafters with H1.81Z Hurricane ties to the top beams.

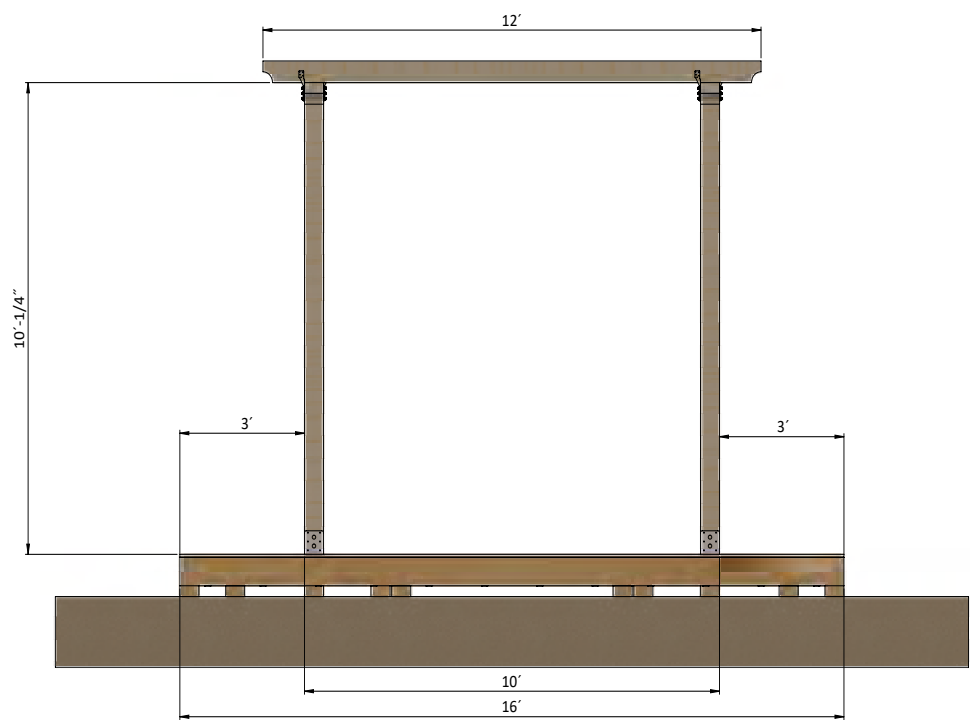**4.3** Using a speed square or carpenter's square, check the corners to make sure they are 90°.

1´-5 3/4˝
1´-6 1/2˝
1´-6 1/2˝
1´-6 1/2˝
1´-6 1/2˝
1´-6 1/2˝
1´-6 1/2˝
1´-5 3/4˝

12´

Appendix A Size & Dimensions

16′

10′

1′

2 3/4″

14′

16′-1 1/2″

side

12′

10′-1/4″

3′

3′

10′

16′
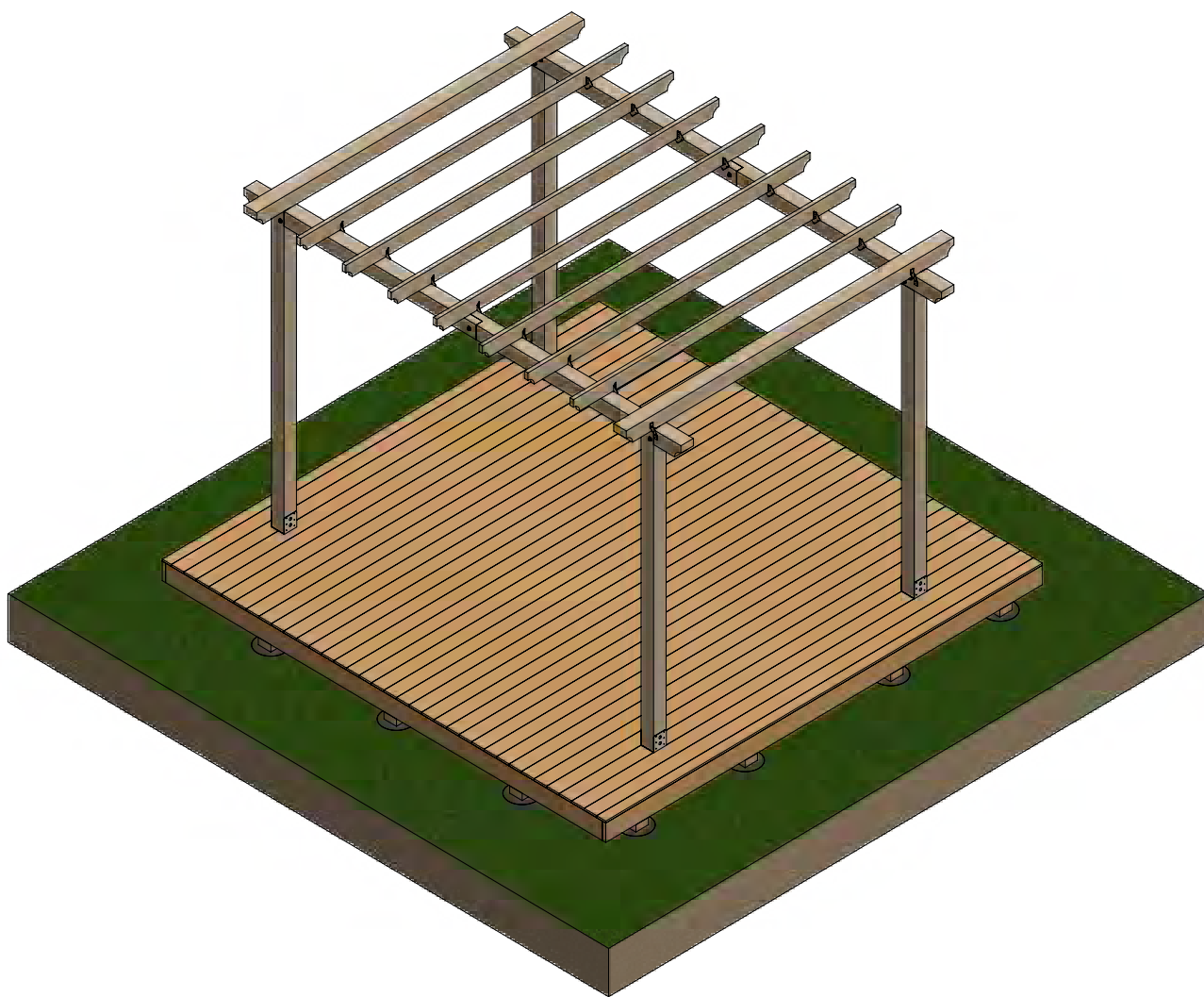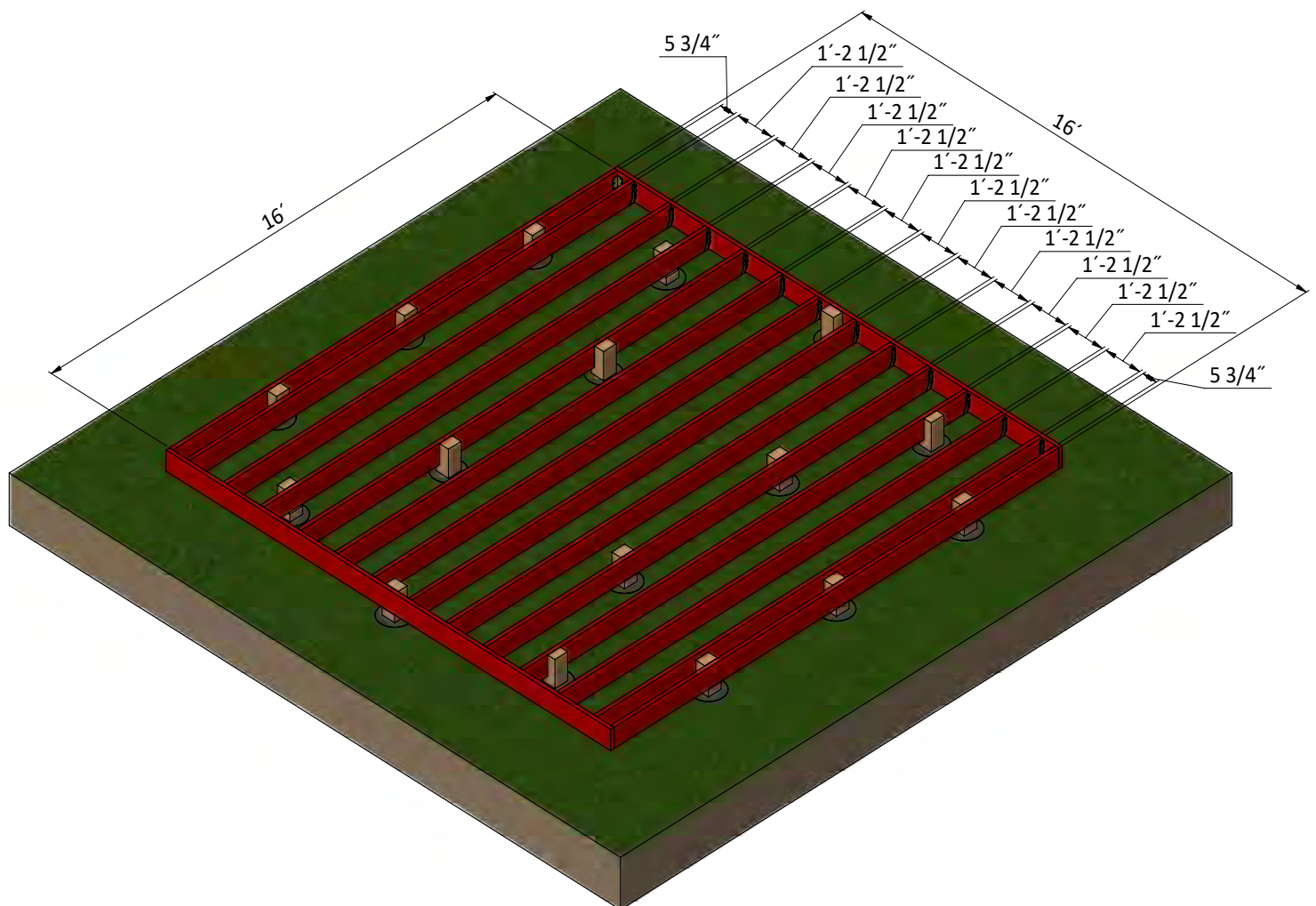
3D View

Assemble the Floor Frame

5.1 Use 2 x 8 lumber to cut and install the floor frame. Use the illustration below as a reference. You will need sixteen boards cut to 16´ that will be joist and rim joist.

5.2 Secure the beams with LU28 face mount joist hangers and ML24Z angles.

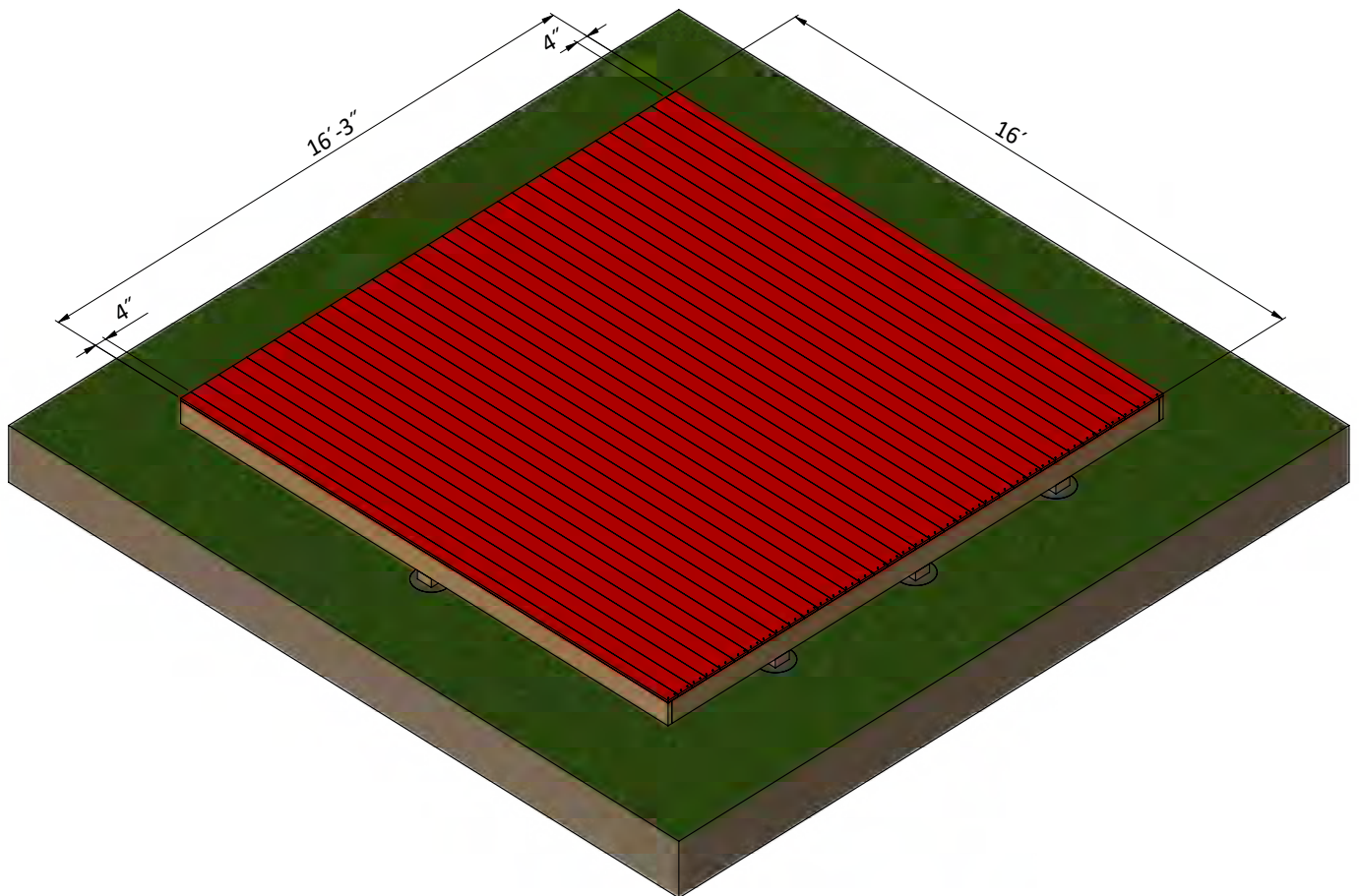**5.3** Fix the frame to the posts with the help of 3˝ wood screws.

Posts Installation

6.1 Prepare the 1 x 6 decking board for the floor sheathing according to the drawing. You will need to cut thirty six boards 16´ long. Trim the edge boards to fit the frame edges.

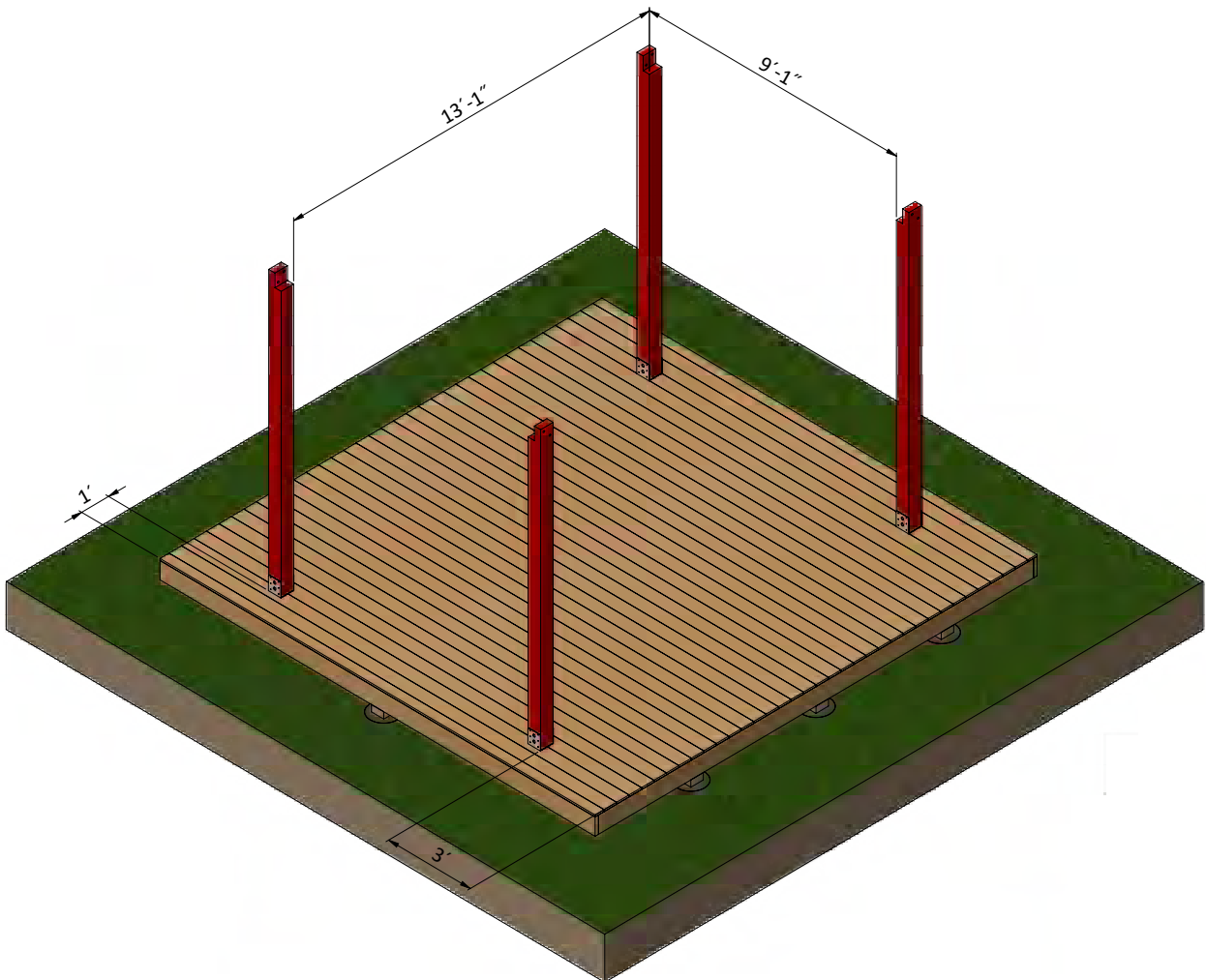**6.2** Secure the boards with 2˝ wood screws.

Posts Installation

7.1 Using 6 x 6 lumber, prepare posts using the drawing below as a reference.
You will need four boards cut to 10´. Provide cuttings for splicing connection according to the drawing.

7.2 Insert posts into the post bases and fix them with 3˝ wood screws. Be sure posts are situated above the deck posts.

7.2 Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Final Touches

Now that your pergola is all done, you are ready to decorate it any way you want using your favorite paint, stain, or preservative.

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Additional Blueprints	X	✓
Tools List	X	✓
Fastening Elements List	X	✓
Technical Support	X	✓

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