FOREVER REDWOOD

DIMENSIONS & DRAWINGS

Arched Open Sky Pergolas

We customize our Pergolas to suit your needs. Just tell us what size and options you want. Prior to building, we provide our customers with a detailed set of drawings based on their initial choices and sizes. Our drawing process is the perfect tool to show you every detail and dimension from multiple angles. It gives you the freedom to visualize each detail, making sure that everything is exactly as you'd like before we get the go-ahead to begin building. Drawings are emailed within 5 business days, and we'll revise your drawings as much as needed to make sure all detail and sizing issues are perfected prior to beginning construction.

Side View 2
Front View 3
Top View 4
Isometric View 5
Drawing 5 6
Measurements 7

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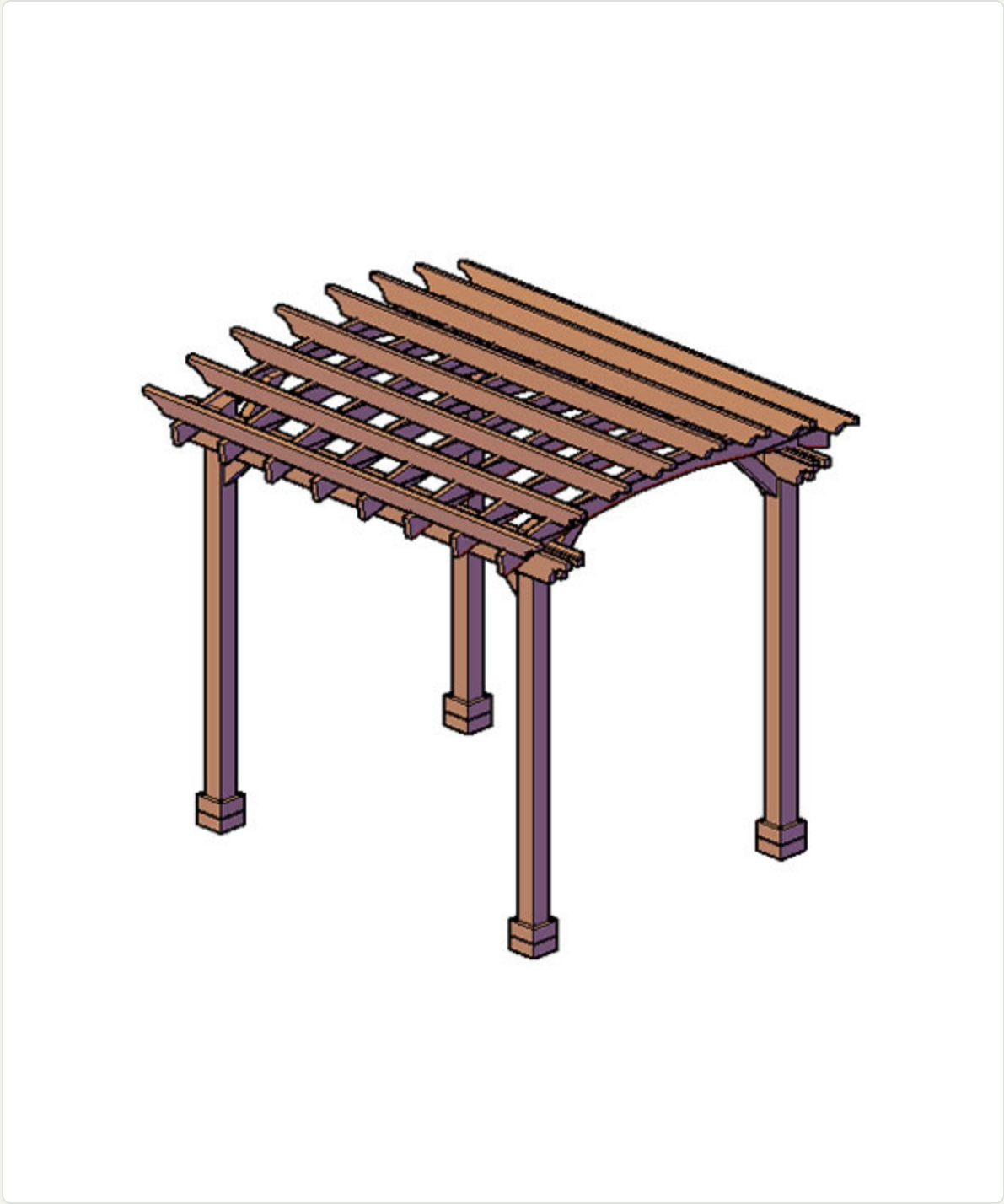
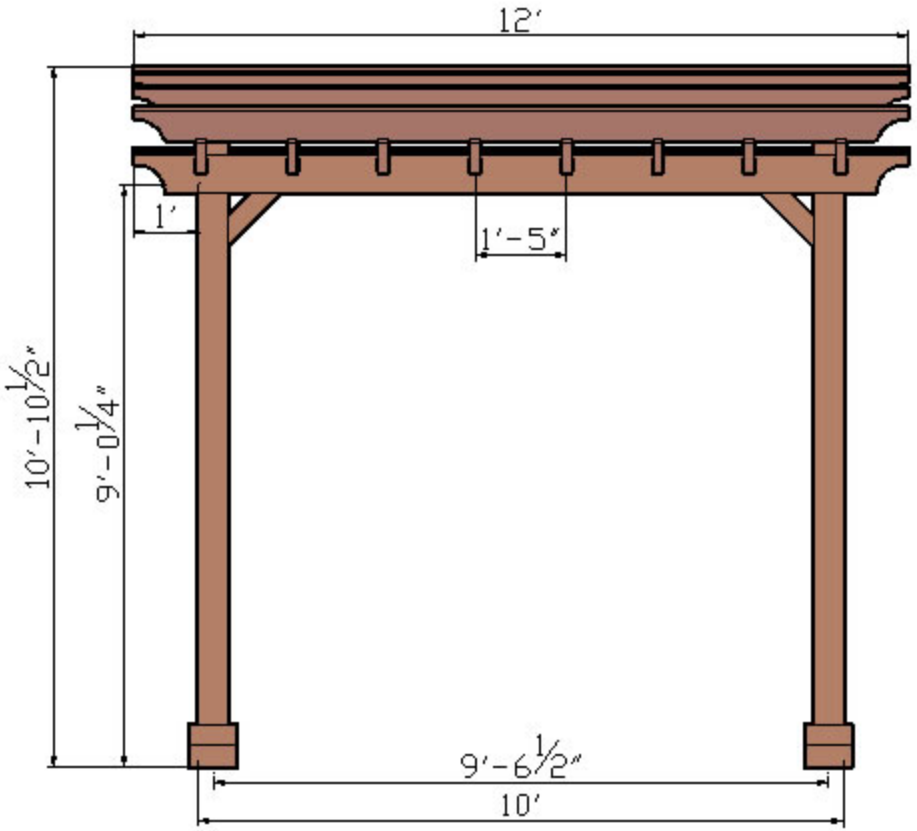
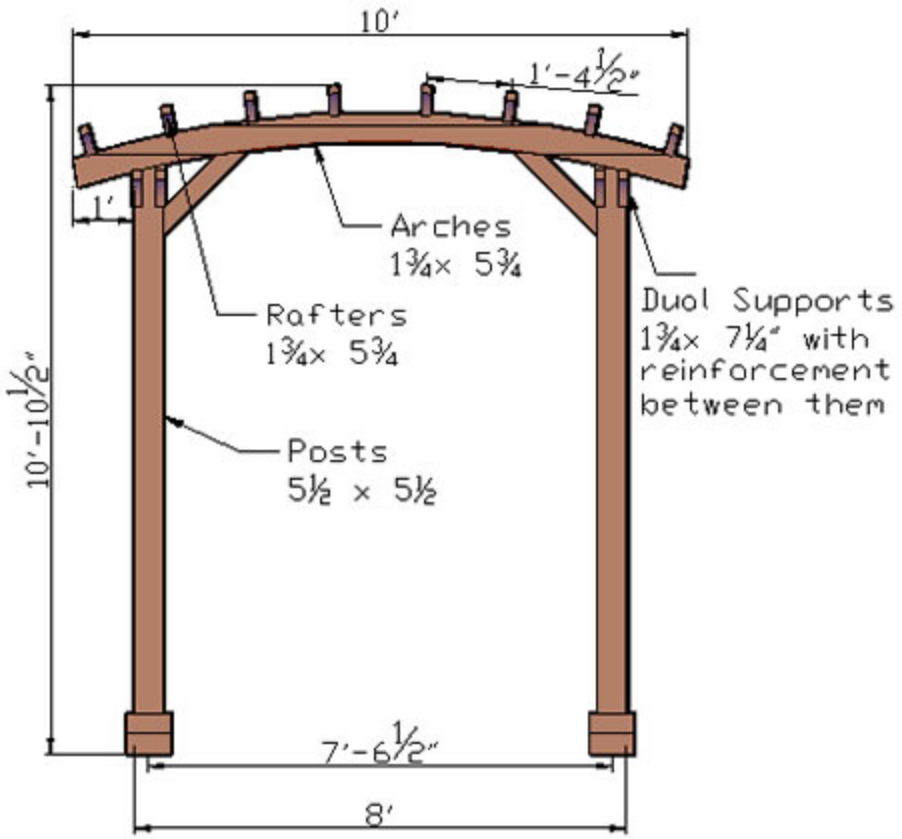


ISOMETRIC VIEW

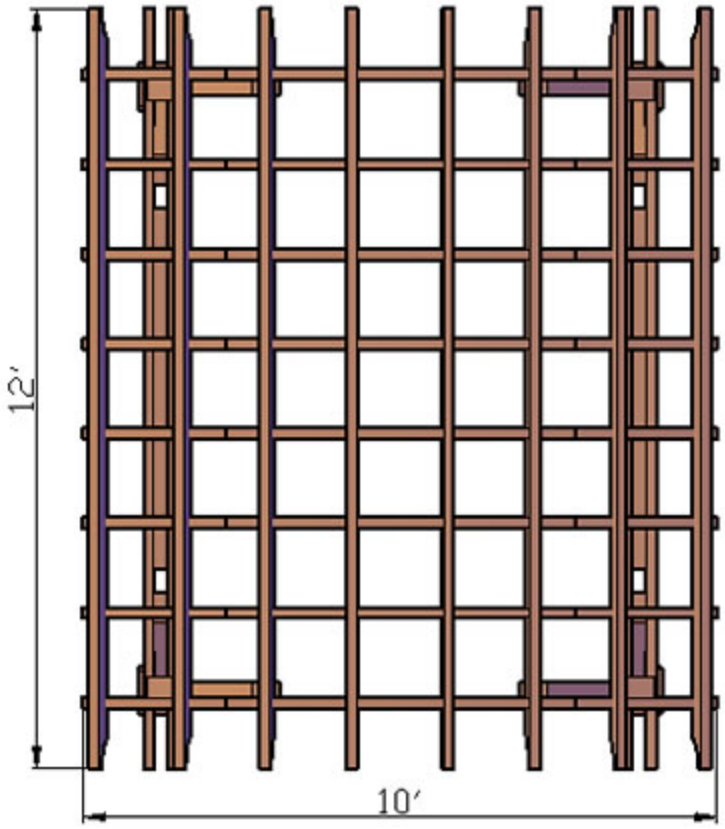
SIDE VIEW



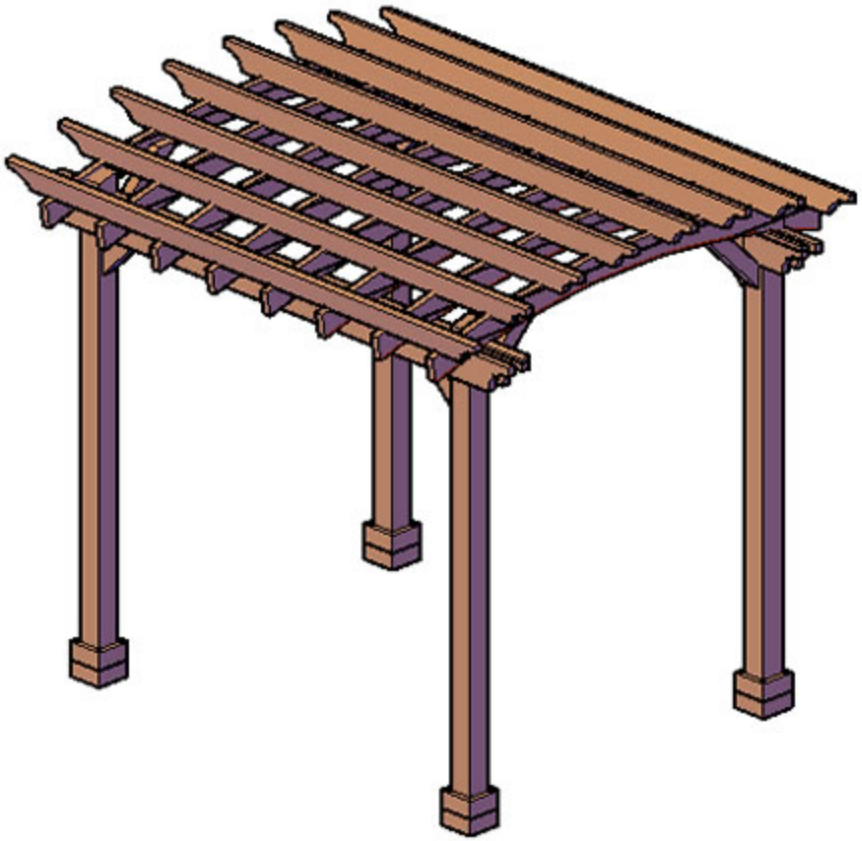
FRONT VIEW


10'
1'-4½"
1'
Arches
1¾× 5¾
Rafters
1¾× 5¾
Duol Supports
1¾× 7¼" with
reinforcement
between them
Posts
5½ × 5½
10'-10½"
7'-6½"
8'

TOP VIEW

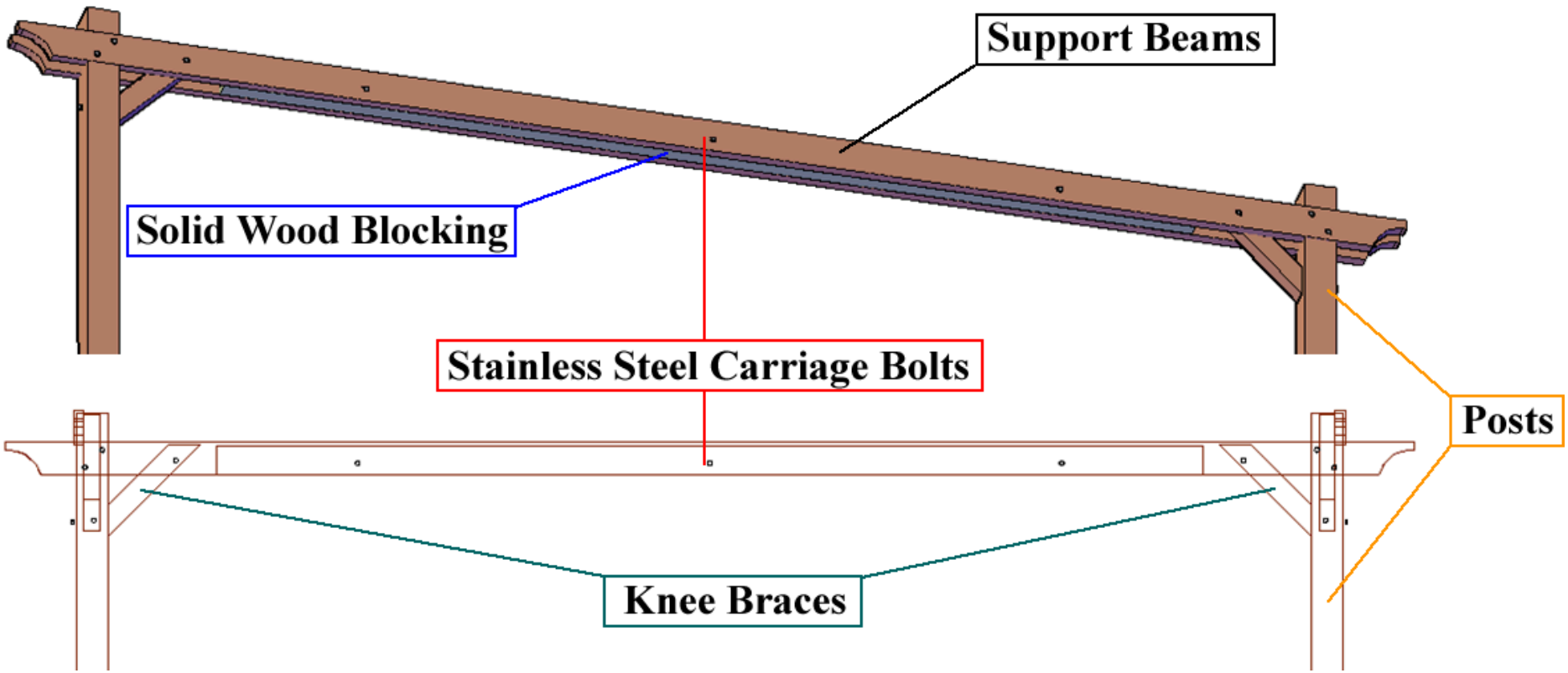


ISOMETRIC VIEW



DRAWING 5

For additional long-term structural strength, we add solid timber blocking in-between the dual support timbers as shown in the drawing below. With this blocking, the dual supports are in effect converted into one solid 5 3/4 inch x 61/2 inch or 7 1/4 inch x 6 1/2 inch timber as shown below:



MEASUREMENTS

Corner posts are 5 1/2" by 5 1/2" (standard sized 6x6s) and are recessed 12" in from roof dimensions (This can be adjusted to meet your needs just let us know).

Roof support timbers (lintels) and rafters are 1 7/8" x 7 1/2". If you prefer a different sizing or style write what you would like in the comments section or contact us.

Posts normally ship 9' long. 9 posts make the top of the roof 9' also and give you an 8' 4" clearance ("ceiling height") under the rafters. About 90% of our pergola customers go with the default 9' post height. If you'd like your pergola taller or shorter, just select Other Height and write in what you would like in the comments section.

The maximum roof size is 20' in either direction with a 4 post structure. The maximum span (with the standard timber sizes mentioned above) is 18' 2 1/2" on center between posts. Structures over 20' in any direction are built with an additional post to support roofs between 20 and 40 feet. For example, a 30' x 20' free standing pergola has 6 posts.

Forever Redwood Pergola kits are completely assembled in the shop prior to shipping to be certain everything fits together perfectly. All timbers are notched into one another to increase structural strength and to lock all your pergolas timbers in place so they will never sag, twist or move. There are hundreds of notches in the larger pergolas. Full notching is rarely practiced because it is labor intensive, and it is one of the secrets to a long lasting beautiful pergola.

All assembly hardware is included and is stainless steel.

Pergola (Roof) Size (ft)	Approx. weight
10 x 10	705 lbs.
10 x 12	795 lbs.
10 x 14	885 lbs.
10 x 15	930 lbs.
10 x 16	975 lbs.
10 x 18	1065 lbs.
10 x 20	1155 lbs.
12 x 12	903 lbs.
12 x 14	1011 lbs.

Pergola (Roof) Size (ft)	Approx. weight
12 x 15	1065 lbs.
12 x 16	1119 lbs.
12 x 18	1227 lbs.
12 x 20	1335 lbs.

Pergola (Roof) Size (ft)	Approx. weight
14 x 14	1137 lbs.
14 x 16	1263 lbs.
14 x 18	1389 lbs.
14 x 20	1515 lbs.
15 x 15	1268 lbs.
15 x 18	1470 lbs.
15 x 20	1605 lbs.
16 x 16	1407 lbs.
16 x 18	1551 lbs.
16 x 20	1695 lbs.
18 x 18	1713 lbs.
18 x 20	1875 lbs.
20 x 20	2055 lbs.