



# FOREVER REDWOOD

*From the Forest, For the Forest since 1995*

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866.332.2403 (TOLL FREE); 7am – 7pm Pacific Time, Monday-Saturday

## THE HEXAGONAL RETREAT PAVILION



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## I. DESCRIPTION

The Hexagonal Retreat Pavilion is a lovely addition to your yard. These kits come in sizes from 8' to 16' in diameter and you can personalize it to be just the way you want. Yes, really!

- **Easy Sizing and Options:** Begin by estimating the diameter you think will work for the space. Then, check the wood grades and other options in the Build It Your Way section to the right of the large photo above. Each Hexagonal Retreat Pavilion is built your way. Our dedicated staff of designers and consultants stay with your ideas until we have something you are completely in love with. Every detail can be a standard option or customized as needed.
- **Built to Last:** We are a forestry company. We hand select the best, fattest timbers from our forestlands for your project. Everything is ridiculously over built from the posts through to the roofing skin. All real wood and steel. No plastic, no compressed glue, no plywood, no nails. Add in 20 plus years' experience and stainless steel bolts and screws and you get to a 30-year decay warranty. Yes, in any weather...
- **Easy Design/Sizing Support:** Your order's drawings are emailed within a 5 days. The drawings are ideal so you don't have to figure it out beforehand. Usually just a couple emails with our design team is all you need until every detail is the way you want.
- **You Install or We Install?** Once you sign off on your drawings, you're The Hexagonal Retreat Pavilion is fully erected and finely finished in the shop for easy re-assembly. All hardware is included. Just bolt the timbers and panels back together. Most kits go back up in 6 to 8 hours with one helper. And, if you do not want to do the work, we can send our install team anywhere in the U.S.
- **Turnaround Time & Financing:** We can build in 2 to 3 weeks, but we recommend ordering your [outdoor pavilion kit](#) 2 to 3 months in advance to have time to fine tune the details via the drawings. You can also take advantage of our 1/3rd deposit option on site to spread out the cash via a couple monthly payments.

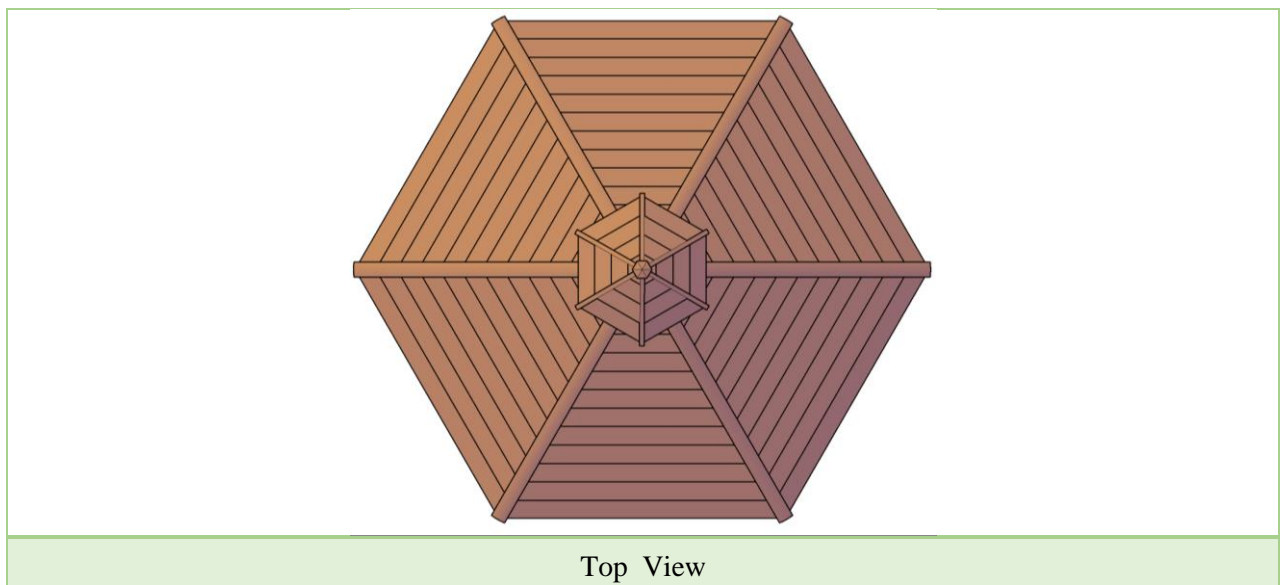
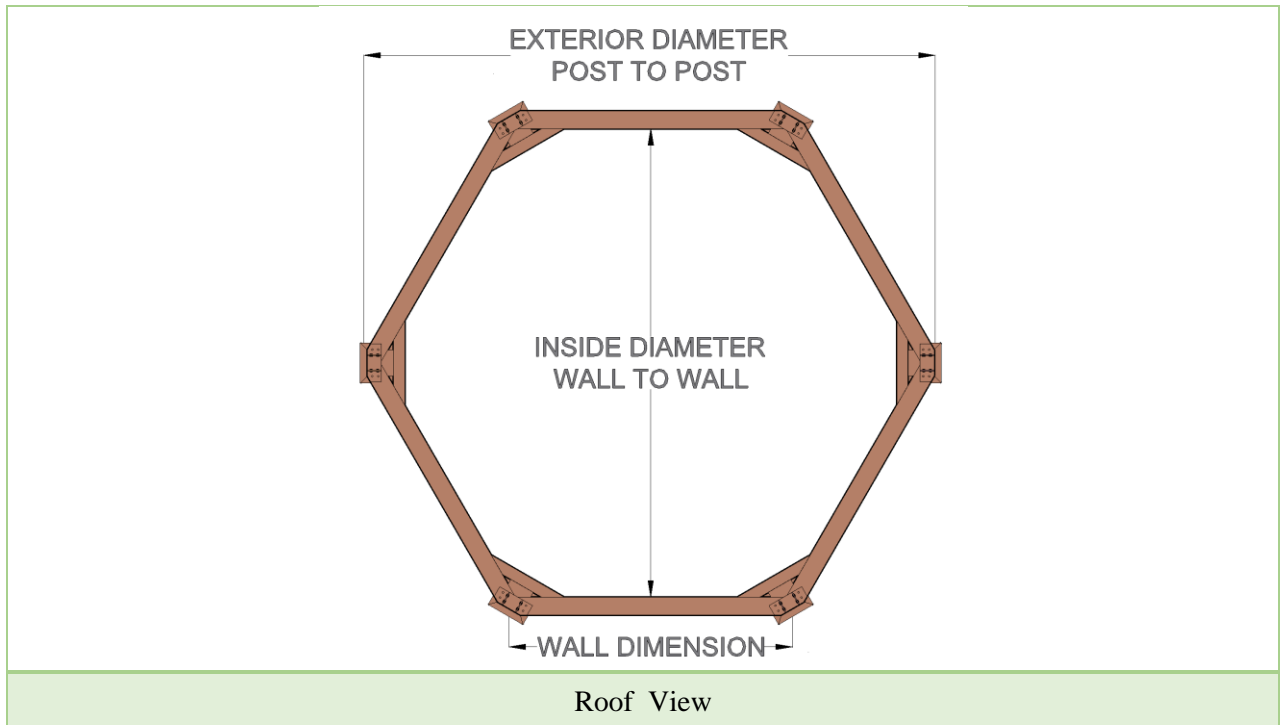
Questions? - [Download](#) the eBook "Everything you Wanted to Know about Pergolas & Pavilions" for answers to frequently asked questions or please contact our [Pavilion Advisor](#).

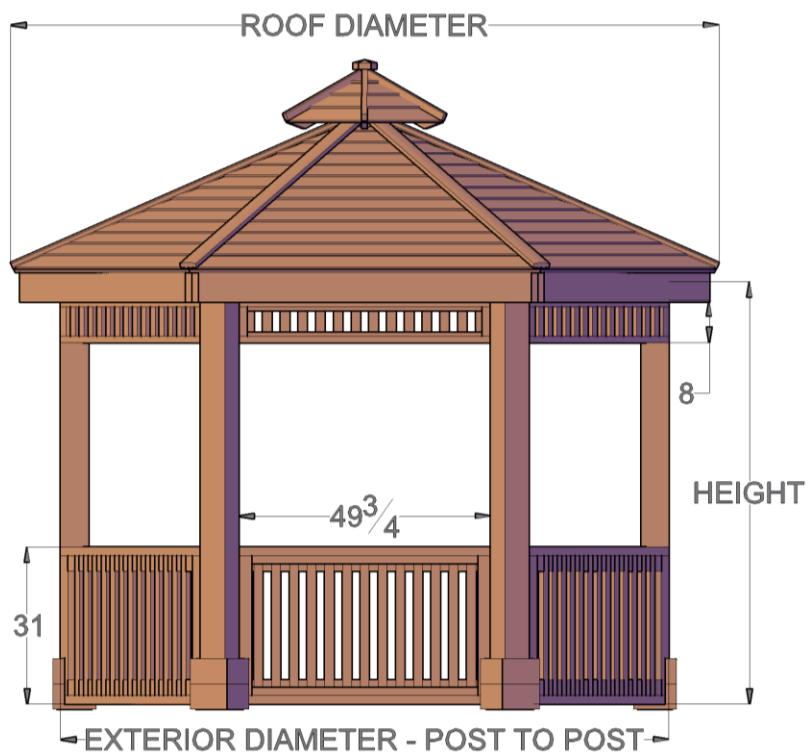


## II. SPECIFICATIONS

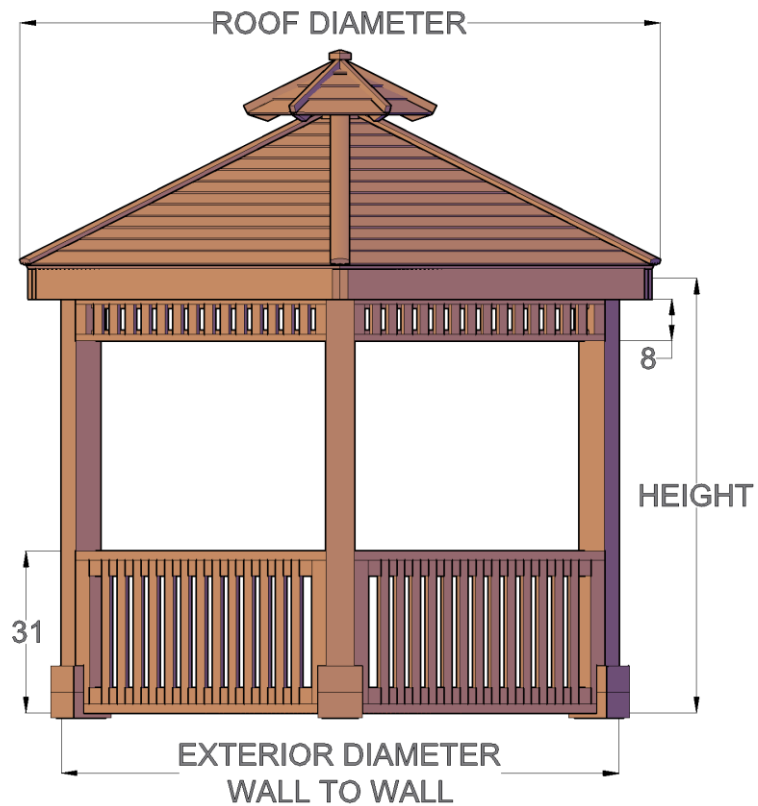
### A. Dimensions & Drawings

We can customize our pavilions to suit your needs. Just tell us what size and what options you want. Prior to building any Pavilions, we provide our customers with a detailed drawing based on their proposed features. This lets you review any choices made and make any needed adjustments before it is built. Drawings are a great way to make certain all details have been considered and that your Pavilion will be exactly what you dreamed of.





Front View



Side View



Pavilion Size	Inside Diameter Wall to Wall	Exterior Diameter Post to Post
8-Foot	84"	96"
10-Foot	108"	120"
12-Foot	132"	144"
14-Foot	156"	168"
16-Foot	180"	192"

## B. Railings.

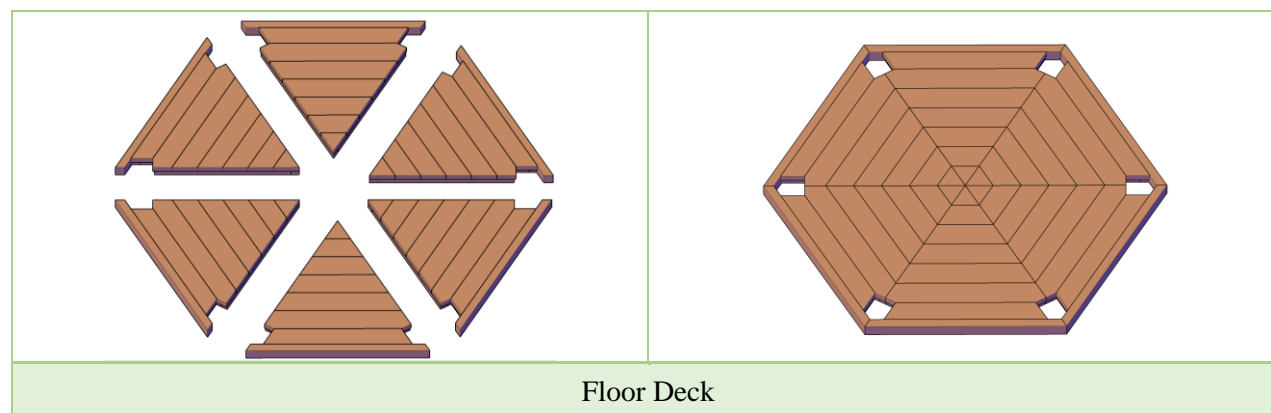


## C. Cupola.



## D. Floor Deck

You can also order your Park Pavilion with or without a floor deck. See photos above.



## E. Decking.



## F. Corvels

You can customize your The Hexagonal Retreat Pavilion with Upper and Lower Panels or Corvels and Lower Panels. See photos above for the difference between Upper Panels and Corvels. (L-R: Corvels, Upper Panels.) Either of these options has no additional charge. Just note your preference in the comments section when ordering.



## G. Pavilion Height (Post Size)

The standard pergola height is usually 9ft. and 90% of our installations are this height. Attached to ground level a 9ft post will create an 8' 4" ceiling height under the rafters. We also offer post lengths of 8.5 ft., 9.5ft and 10 ft. Note for any of these your ceiling height will be 8 inches less than the post size selected.

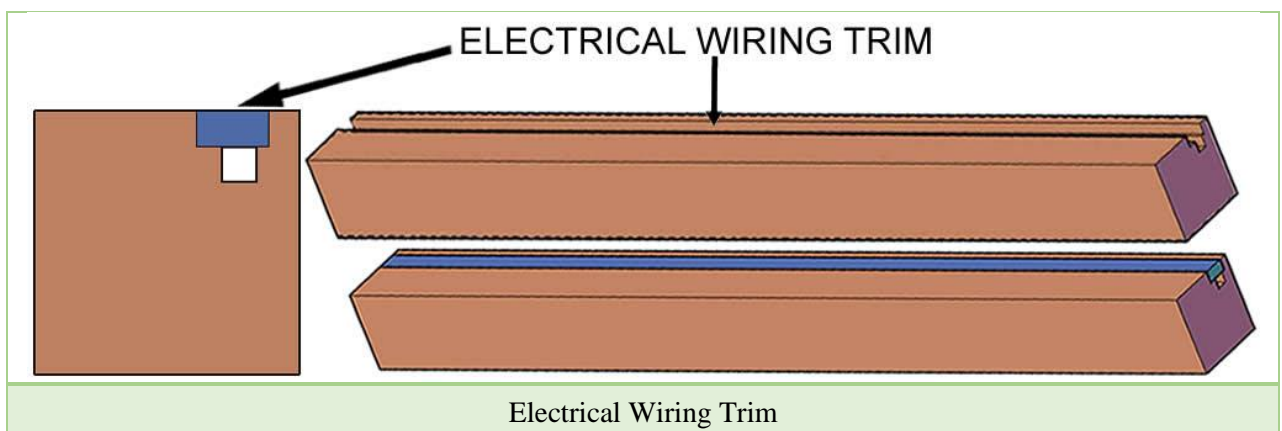
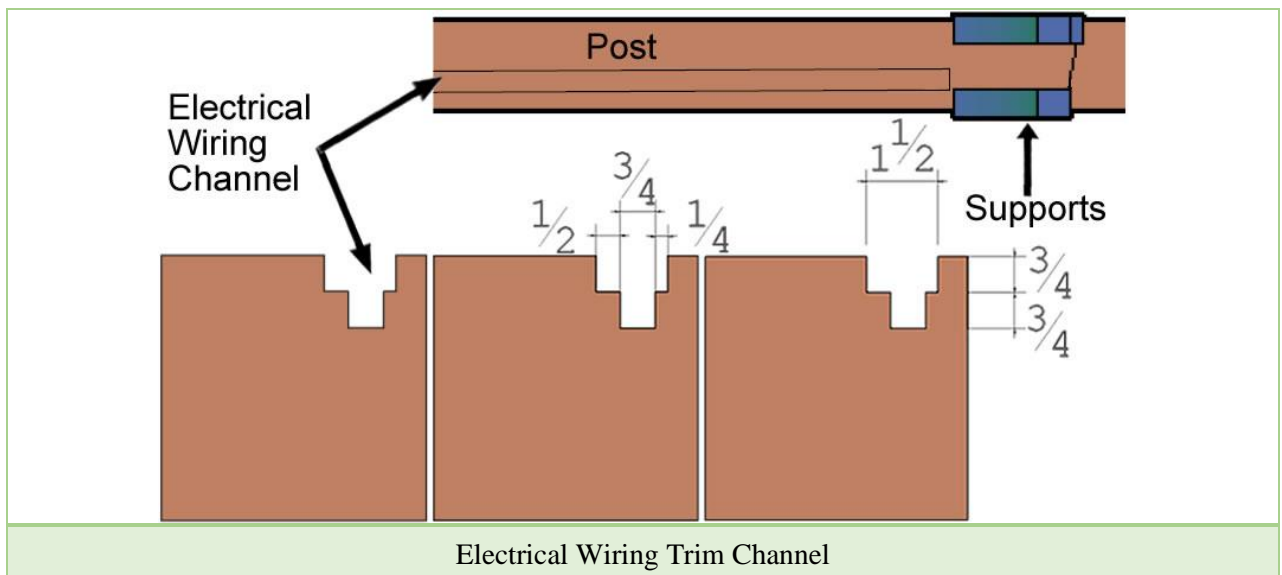
For this size or any custom length, just note the size you want in the Comments/Special Request section. We'll contact you if it changes the pricing of your pergola.



## H. Electrical Wiring Trim Kit

If you plan to run wiring to add lights or a fan or two to your Structure, we can add a cutout to your timbers and add a trim piece that will hide the electrical wiring beneath it (see drawings). The trim is centered on the interior side of the Post and or is added to Roof Supports. It is attached with finish nails for a smooth finish.

If you only want to add it to just one or two posts, please let us know in the Comment box which posts you'd like them on. They will be included in your Structure drawings that will be emailed to you within 5 business days of receiving your product order. At that point, you can make any adjustments in case the trim was place on the wrong post or posts.



## I. Pavilion Post Anchoring



*All posts should be attached to the ground. Below are the most common scenarios.*

To anchor your posts for decades to come, we recommend stainless steel anchors and bolts. Our anchor kits, whether for concrete or wood decks, come with everything you need to attach your structure securely.






### 1. Option 1: Standard Anchor Kit

The stainless steel anchors sit on the surface and attach using either 4 expansion anchor bolts (for concrete) or 4 lag bolts (if attaching to a wood deck). The posts sit in the anchor's saddle and are attached to the anchors with lag bolts provided. A wood trim box is included to hide the hardware from view (see anchor kit installation images below).

For paver, stone or flagstone patios we don't recommend attaching directly to these surfaces because you may have cracking or movement long term. Instead, we recommend installing footings (concrete foundations for the posts) to make sure you have zero issues long term.

For most applications, we recommend digging holes 30" deep (in snow areas adjust depth to go below the frost line by 6"), place cardboard Sono tubing in the hole up to ground level (see anchorage table 1 to know the diameter). Then pour concrete flush to ground level (or level with the walking surface area of your paver or flagstone patio). Allow up to 3 days for the concrete to cure before attaching metal anchors at the top of the concrete pour (see below). You can use fast drying concrete if you don't want to wait.

If you do not want the posts to wick up moisture, pour the concrete half an inch above ground level. The trim boxes will still drop to the floor and hide this detail.

				
<b>STEP 1:</b> Place the anchor where it will be installed; mark the ground as shown.	<b>STEP 2:</b> Drill for holes as shown 1/2" wide hole 4" deep and hit down the anchor bolts (1/2" x 4") with a hammer. Then take off the nut before you place the metal anchor ( <b>note: for wood deck use lag bolt</b> ).	<b>STEP 3:</b> Place and attach metal anchor to concrete with anchor bolt (1/2" x 4") and place the post.	<b>STEP 4:</b> Attach post to metal anchors with lag bolts (5/16" x 3").	<b>STEP 5:</b> Place the wood boots over the anchors, fixed it with the screws.

The photos above show the 5 simple steps to follow once your surface below the Structure is in place. Choose the anchor kit for the appropriate surface:

- **Stone, Brick or Concrete - Anchor Bolts (1/2")** for attaching to stone, brick, or concrete.
- **Wood (e.g., Wood Deck) - Lag Bolts (3/8")** for attaching to a wood deck.

Read more about anchoring your Structure in our [FAQ, including the best grade of wood to choose for your climate](#).

#### More technical details:

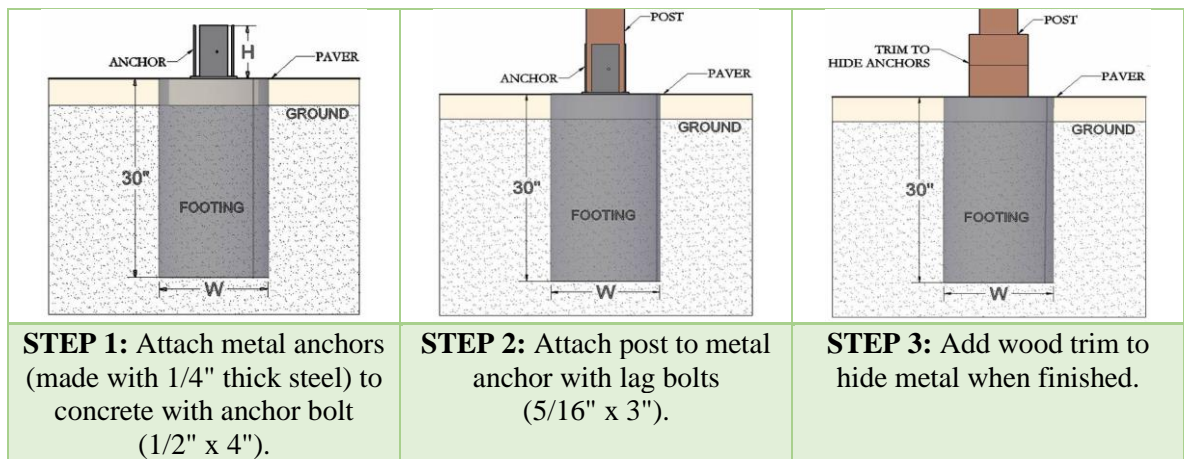
**Ideally Confirm your Structure Drawings prior to laying foundations** – especially for paver or flagstone patios.

By confirming your Structure drawings first you may realize that you overlooked something or you may want to make a change that will affect the length or width. For example, for a standard 10' x 12' Arched Pergola Kit, the posts are recessed back 12 inches from the edge of the roof. This places your posts at 8' x 10' to the outside 4 corners of the posts and at 7' 6 1/2" x 9' 6 1/2" on center. If you are certain this is what you want, you can do the footings before ordering your Structure and before you receive your drawings for your order (all Structure orders receive drawings within 5 business days for your review to give you the time

and tool to make adjustments before building). Often, when customers see their drawings, they decide to change some detail like adding more space between the posts or going taller.

If you are in the process of laying a foundation for a Structure that will require footings (recommended for flagstone or paver patios), it is best to have the design finalized so that you or your contractor can place the footings in the exact location. Once footings are installed you will not be able to move the post positions causing yourself an unnecessary headache.

**Paver or Flagstone Patio Installation details** - If you are placing your Structure on a paver patio, pour the concrete to be level with the finished pavers. This way, after adding the trim, the bottom of the trim will rest atop the pavers seamlessly. Since the paver patio is usually a few inches above grade, you may have to pour a bit higher than on undeveloped ground to get the post height to line up exactly with the paver height. The design engineer that will be assigned to your project will detail the footings work needed as part of your design work. Below is a typical set up:



POST	ANCHOR BASES	FOOTING		
Sizes	Base Steel Gauge	H	W	Deep
3-3/4" x 3-3/4"	1/8"	6"	14"	30"
5-1/2" x 5-1/2"	1/8"	8"	16"	30"
7-1/4" x 7-1/4"	1/8"	8"	18"	30"
9-1/4" x 9-1/4"	1/8"	10"	20"	30"
11-1/4" x 11-1/4"	1/8"	10"	24"	30"

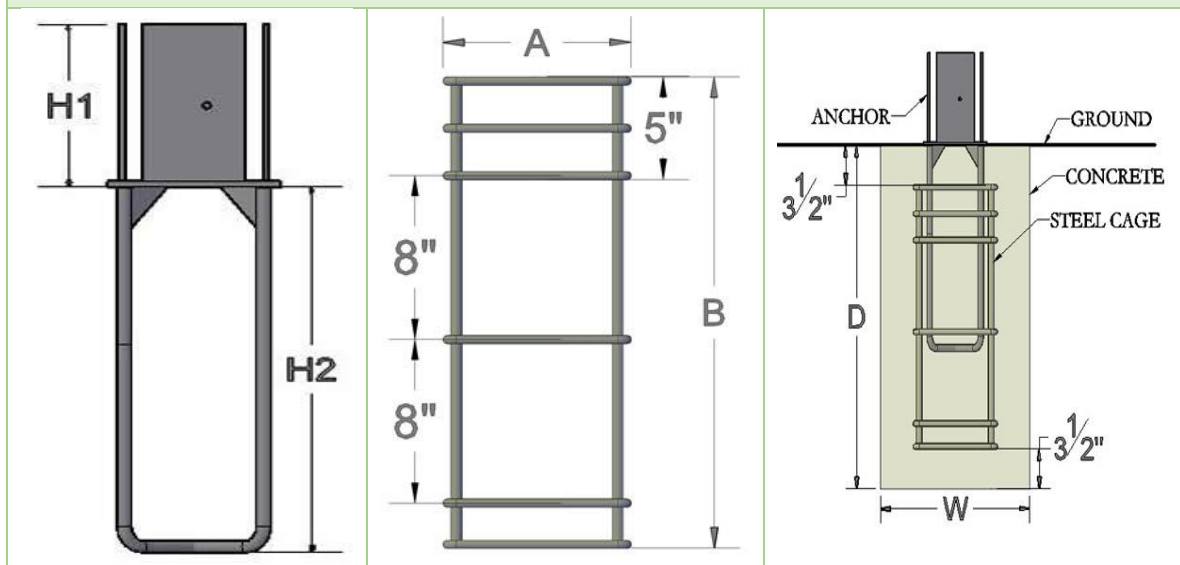
If you decide to order the Anchoring Kit you'll have all the hardware you need and will not need anything from the hardware store if you are attaching to an existing deck. If building on undeveloped ground, just add the concrete and a bit of rebar as described above. Choose the anchor kit for the appropriate surface either wood decking or stone, brick or concrete surfaces.



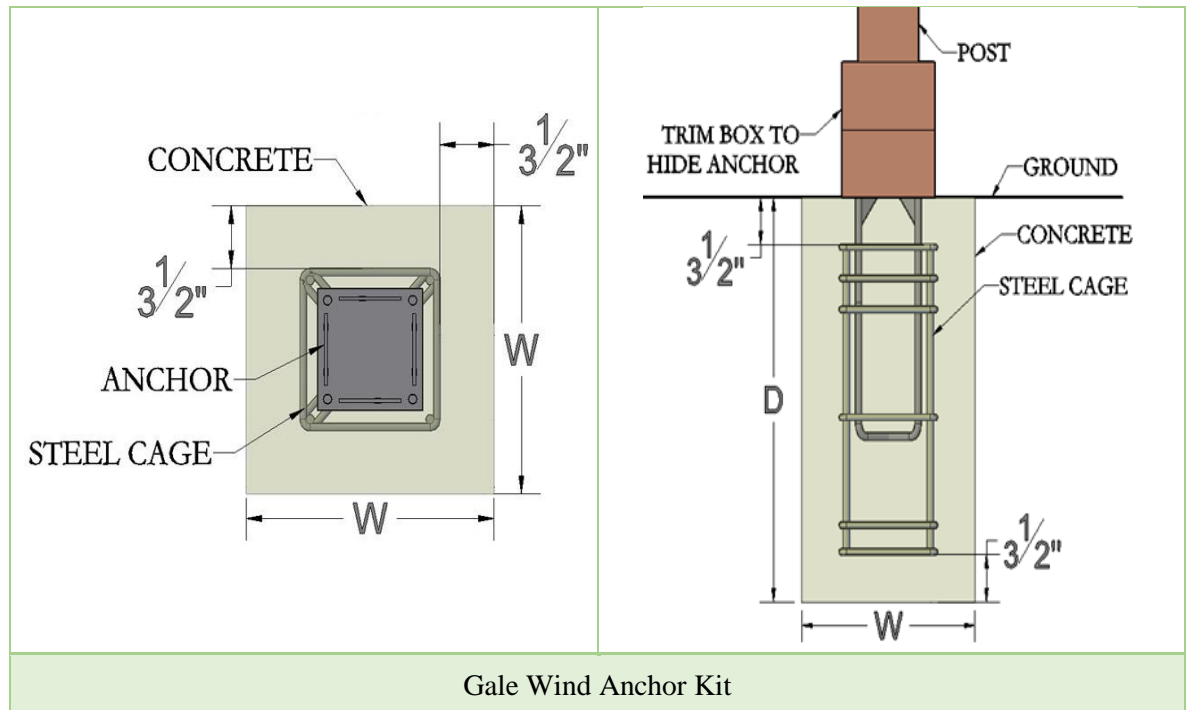
## 2. Option 2: High-Wind Anchor Kit



Gale Wind Anchor Kit



Gale Wind Anchor Kit



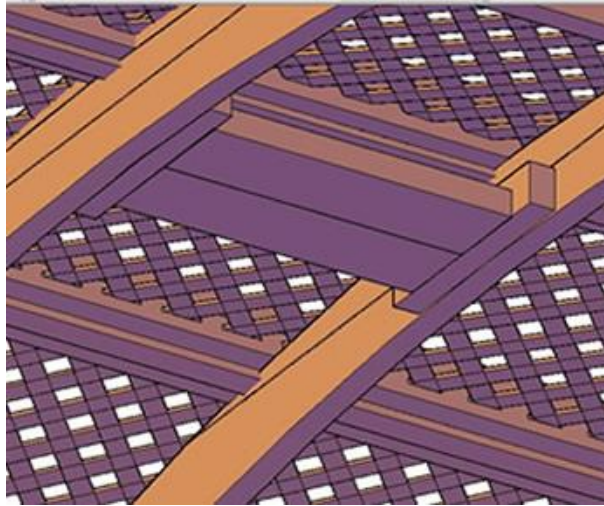
POSTS	ANCHOR BASES			STEEL CAGE			FOOTING	
Sizes	PTR Gauge	Anchor Steel Base (PTR)	Steel Base Diameter	H	A	B	W	D
3-3/4" x 3-3/4"	1/8"	6"	3/8"	12"	7"	23"	14"	30"
5-1/2" x 5-1/2"	1/8"	8"	3/8"	18"	9"	29"	16"	36"
7-1/4" x 7-1/4"	1/8"	8"	3/8"	18"	11"	29"	18"	36"
9-1/4" x 9-1/4"	1/8"	10"	1/2"	20"	13"	35"	20"	42"
11-1/4" x 11-1/4"	1/8"	10"	1/2"	24"	17"	35"	24"	42"

**Note:** At least 3-1/2" clearance between edge of footing and anchor is recommended.

The High Wind anchor is rated to withstand winds of up to 150 mph. They are made from 100% Stainless steel. See chart above for typical recommended footing depth, but the final footing design will be part of your final approved working drawings that you will receive as part of the ordering process. They are normally installed at a 30 to 42 inch with a significant portion of the anchor in concrete underground as shown in the drawings above. For best results, we recommend doing the concrete work at least 3 days ahead of the Structure install so the concrete will cure prior to attaching the Structure to it. You then place the wood posts in the cradle and bolt the wood to the anchor. We supply wood trim pieces to hide the hardware so the bottom of the posts look like they have a wooden boot around them when installation is complete.

**Note:** If your Structure is placed in a snow area, the concrete must be 6 inches below the frost line.

## J. Accessory Bases & Shelving



Ceiling Fan Base Drawing



Ceiling Fan Base



Roof Fan



Pavilion with 2 Ceiling Fan Base

Attach the Ceiling Fan base between the rafters with 4 bolts (two per side). The paddle fan is usually placed in the center of the Pavilion's ceiling, but of course, you can place it almost anywhere you have sufficient head space.

Many customers have told us that by far the best manufacturer is a company out of Kentucky called the **Big Ass Fan** Company. Funny name, great fans. They move a lot of air, are quiet and are probably the best in the business.

**K.    Finish Options**

All our furniture ships finely sanded to 220 grit for a smooth to the touch finish.

The most popular finish is our Transparent Premium Sealant. This sealant leaves your furniture looking natural and helps keep the beautiful wood surface colors from fading for several years. We use Sikkens brand finishes because they are the best finishes on the market. For more information about our finishes and how to keep your furniture looking great year after year, please go to: [Care & Finish](#).

**Unfinished (fine sanding only):**

If you are applying your own stain or want the surface color to fade to a "weathered look" in a few months. We do not recommend you leave your furniture unfinished outdoors for any extended period regardless of wood quality. Outdoor weather changes constantly and it is best to at least seal the wood to protect it from consistently absorbing and losing moisture.

**Transparent Premium Sealant - Recommended for Outdoors:**

Below are the 5 grades of wood we offer with the Transparent Premium Sealant applied. The color tones shown are close representations of the color your furniture will look like. There is no extra charge for the Transparent Premium Sealant:

				
Douglas Fir (10 yr. Warranty)	Mosaic Eco-Wood (10 yr. Warranty)	Redwood (15 yr. Warranty)	Mature Redwood (20 yr. Warranty)	Old Growth Redwood (30 yr. Warranty)



We also offer the Transparent Premium Sealant with the following stains. There is a small charge for adding these stains because it increases the total amount of coats to 4 with the sealant as the final coats:



Here is how the Coffee Stain looks like on Redwood



Here is how the Cherry Stain looks like on Redwood

### Tiger Stripe Effect

Douglas-Fir when stained dark creates a "tiger stripe" effect as shown in this photo. It is beautiful and most customers love it. If you are looking for a dark consistent stain and do not want to see a "tiger stripe effect", please go with any of the Redwood grades for a more consistent stain finish.



## Primers

- **Off-White Oil-Based Primer:** If you are painting a light color. We apply two coats so that it is ready for one final coat.
- **Gray Oil-Based Primer:** If you are painting a darker color. We apply two coats so that it is ready for the final coat.

## Custom Paints

Custom Paint Finish (go to [BenjaminMoore.com](http://BenjaminMoore.com)):

Have Forever Redwood paint your order any color you like. We prefer to use Benjamin Moore paints because they make excellent quality products and offer a huge selection of paints and colors to choose from.





*Modern Louvered Pergola – Black Stain*



*Benjamin Moore: Black Stain, 2131-10*

First select the type of paint you want: [Benjaminmoore.com](http://Benjaminmoore.com)

Then click the colors tab and choose from the almost endless amount of colors offered.

Just select the Custom Paint finish option and in the Comment box enter the type of paint and the name and number of the color you would like. We will confirm your custom paint request within 24 hours of receiving your order and we will order the paint for you and apply per the specified directions. You only need to let us know the type of paint and the color name and number and we will do the rest.

### III. ASSEMBLY & CARE

Assembly Instructions for: [The Hexagonal Retreat Pavilion](#)

#### **All You Need is a Few Tools and a Friend.**

Assembly is best done by two people and usually takes about half a day to a day, depending on size. Pergolas need a ratchet wrench, a hammer and a ladder to put them together. In some cases, you might need a drill to attach the posts into concrete. As with all our products, we preassemble pergolas in our shop to ensure everything fits together. All hardware is included and all parts are clearly labeled before it is shipped. We also include detailed step-by-step instructions.

Take a look at our assembly instructions below for specific details. If you plan to pour concrete to hold the posts, the project will require an additional half day prior to assembly. Please do the concrete pour a few days prior to assembly to allow the concrete to cure.

#### **Installation Help.**

Special talent is not required to re-assemble our pergolas. But, if you would like help, [just let us know](#). We have our own team for installations in California, Nevada and Southern Arizona and a network of local contractors we recommend for farther afield.

**Care:** Your Forever Redwood Furniture will last for decades in year-round weather without maintenance.

Depending on the wood grade you choose, even with harsh year-round outdoor conditions, you can expect your furniture to last from ten to forty years without maintenance of any kind.

Being outside year-round is rough on any woods finish. The surface absorbs UV rays, pollution, constant variations in moisture and temperature and it also oxidizes. This is why most wood just doesn't hold up and the surface color slowly changes towards a silver patina over the years. But, with Forever Redwood, you don't have to worry. The silver patina is surface deep only (less than 1/64") and is not indicative of decay. Your set will last decades and is not compromised in any way by the surface color change. For example, we keep our display items as is without refinishing to show off this natural aging (we like the patina!).

Although Forever Redwood is maintenance-free, we recommended you take a few minutes as needed to clean by either hosing down and/or brushing/dusting away accumulated debris (no soap or chemicals needed). If you'd like to keep your set looking its best for decades, please go to: [Care and Finish](#).



## IV. MATERIALS

The secret to outdoor longevity begins and ends with the wood. We use generous amounts of the most decay resistant wood available. We encourage our customers to compare photos of our items side by side with any competing product. Thickness counts. Furniture that is thin and light simply won't last in the year round weather.

To keep your furniture beautiful, we use only stainless steel hardware and the highest quality stains and sealants. We use only the Sickens brand of sealants.

Our primary customer has always been the homeowner that appreciates spending a bit more for quality that will last decades.

Our products are installed with organizations that appreciate longevity like the U.S. Forest Service, U.S. military installations, State and City parks, golf clubs and hotels.

We are favored by many landscape architects and contractors because they can count on exceptional quality and quick personal service to complete projects.

We build each item by hand. This insures your set is finely finished and carefully inspected. Old-fashioned hand building also allows us to adjust the size or design of any item to fit your needs.

Because we are a forestry company, we can offer 5 exceptional wood grades to choose from our carefully managed forests with warranties of up to 30 years against decay in any weather. [Click for more about our 5 wood grades.](#)

## V. WARRANTY

Wood decay is warrantied up to 30 years depending on the wood grade. No other outdoor furniture manufacturer has warranties like this. The key is the excellent quality of our wood and the extra-thick timber designs of all our pieces.

### Wood Grades and Decay Warranty:

- Douglas-fir: 10 years
- Mosaic Eco-Wood: 10 years
- Redwood: 15 years
- Mature Redwood: 20 years
- Old-Growth Redwood: 30 years

Forever Redwood stands behind its products. We are committed to quickly resolving any issues that might occur. For more information please see our [Warranty](#) page.

## VI. SHIPPING

### We offer 4 Shipping Options in the U.S.:

- Rush Shipping (ships in 3 weeks).
- Priority Shipping (ships in 6 weeks).
- Standard Shipping (ships in 10 weeks).
- Free Shipping in the Continental U.S. (ships in 14 weeks).

### Notes for Orders requiring drawings or approvals:

All Shade Structure orders (Pergolas, Pavilions, Gazebos and Arbors) require drawings to make sure all details are agreed upon prior to building and to give our customers the ability to customize their structures to meet their needs. We also sometimes make custom changes to Swings, Planters, Benches, Tables and other standard production items per customer requests. If your order has a custom detail or is a shade structure, you will receive your first drawings via email within 5 business days of receiving your completed order with a deposit.

We will go back and forth with you as needed to fine tune the design to your liking prior to building it. Once you sign off on your drawings, your timeline for shipping will begin. Please keep this in mind. If you need a Rush Order and also drawings, it is best you call in your order so that we can organize ourselves to both complete your drawings on an expedited basis and meet your shipping deadline.

**Yes, you can have free shipping plus save 3% off your order!** We carefully hand build each Forever Redwood item. When you choose a longer ship out date, you give us more time to build. This lowers our cost and we pass the savings to you. If you choose the Wait & Save Shipping option and prefer we ship out on a specific date (up to 6 months in advance), just enter the date in the Comment Box at Checkout. If no note is included, we'll ship in 3 months.

Orders ship from San Diego, CA. Add 3 to 6 business days transit time (depending on location).

We ship to any country. Canada orders ship in 6 weeks. To see Canadian shipping costs, just add item to cart.

For orders outside the U.S. or Canada, just enter your country in the shipping information section at checkout or in the shopping cart to see your freight cost. We ship outside the U.S. or Canada in 6 weeks. For all international shipments, the shipping companies handle any customs paperwork and then contact you to arrange delivery.

**Assembly Service Available Nationwide:** All orders over \$3,000. in size can choose to have Forever Redwood assemble for you. Just choose White Glove Service in the Shopping Cart or at Checkout. For more information on White Glove, please go to: [WHITE GLOVE](#)



If your artistically inclined, the crating makes a great canvas to:  
**Lion of the Tribe of Juda by Patricia Vallejo**



Some of the ugly guys from our install crew that will scare your children when they come install your order!