

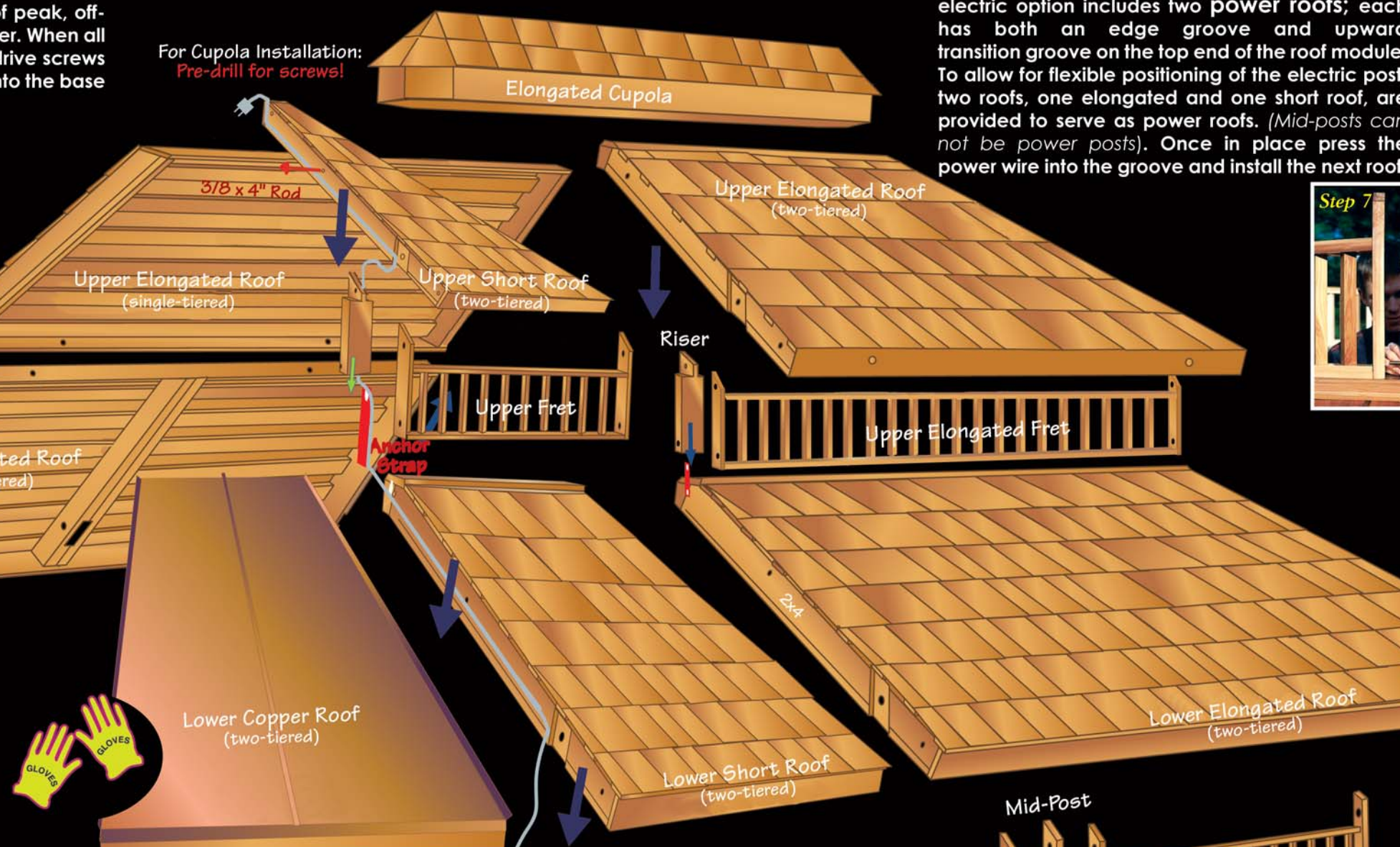
Assembly Instructions For Elongated Gazebo

VixenHill.com
800-423-2766

Step 9 After installing the 6th roof module (on 2-tiered roof upper level), place the cupola on the roof peak, off-center, secure with rope on bent coat-hanger. When all roofs are in place, center the cupola then drive screws through the roof lath (or tongue & groove) into the base trim of the cupola.



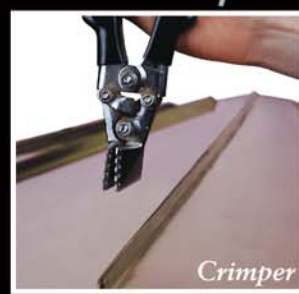
Step B): The first 6 roof modules (on a 2-tiered roof all 8 lower roofs) should be installed by lifting the roof straight upward from the outside then leaning them inbound to a second person on a ladder. While maintaining the roof at the same angle as the post tenons, lower the roof so the tenon slips into the mortises on the sides of the modules. As roof sections are added, make sure to align them - then insert the bottom then mid 4" rod sets and tighten. (If 2-tiered roof insert anchor strap on top). Gap between tenon and roof must be closed. Fret modules should be aligned to the center of the posts with the 6" rod set completing the roof/post/fret connections. The remaining rod sets can be added after all eight roofs are installed. At this point securely tighten all cap nuts on the gazebo.



Hook V-edge copper roof into straight-edge!

Assemble roof starting with the double straight-edge roof, this is the mid section on the short side. Moving counter-clockwise, place roof sections having the V-edge flange overtop the straight edge flange ending with the double V-edge roof section.

Copper roof seams should be crimped with the supplied tool. Since this is done atop the roof after assembly, make sure you wear the supplied gloves and that precautions are taken not to slide off the roof. Rubber soled shoes and carpet matting are helpful.



Single-Tier Roof



Follow **Steps A) & B)** then for the installation of the inner roofs take the first 6 modules and attach to the outer roofs by using 3" rods for the roof soffits and 4" rods for the roof joists. Before installing the last 2 roofs see cupola instructions step 9).

Newel Post Set (optional)

A newel post set (2 rails, 2 posts) installs similarly to a standard rail. The newel post is anchored with a lag bolt from underneath if you have a wooden floor. Two holes need to be drilled to insert the lag bolts. Core drill and use anchor straps if you have a masonry floor.



The Trellis set is installed by first inserting two 1/2" wooden dowels into the trellis brackets then slipping them onto the ends of the floor joists. Next use the 3" x 1/4" threaded rods to fasten the trellis modules to the brackets, tighten with washers and nuts.

Assembly Hardware (in 12" x 12" box) anchoring hardware see back of page

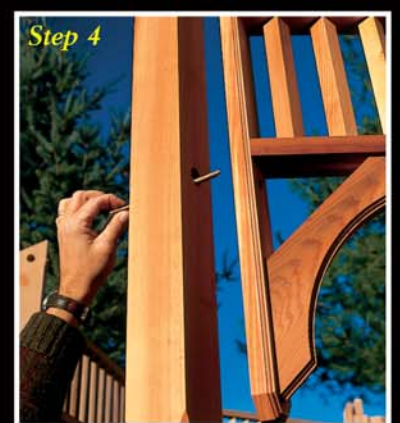
	Nuts & Washers	3" Rod for 15A roof	4" Rod for roofs	6" Rod for rails & frets	Anchor Straps 2-tiered roof only
VKE-9A	112 of each	N/A	24	32	N/A
VKE-11A	144 of each	N/A	32	40	N/A
VKE-11B	192 of each	N/A	40	56	8
VKE-14A	192 of each	16	40	44*	N/A
VKE-14B	216 of each	N/A	48	60*	8

* Deduct 4 rods, 8 washers and 8 cap nuts if you do not have a newel post set!

Step A): Start the roof assembly with a mid section on the short side, moving counter-clockwise. The electric option includes two power roofs; each has both an edge groove and upward transition groove on the top end of the roof module. To allow for flexible positioning of the electric post, two roofs, one elongated and one short roof, are provided to serve as power roofs. (Mid-posts can not be power posts). Once in place press the power wire into the groove and install the next roof.



Two-tiered roofs include 8 riser posts and 8 upper fret modules. Insert and fasten the anchor straps between the ledges of the lower roof modules using the 4" rod sets, then loosely install the riser posts (if electric - the power riser at the wire location) and frets with 6" rod sets through the lower holes. Repeat as with lower roof assembly, but this time hand the roof tail-first from the inside to the installer.



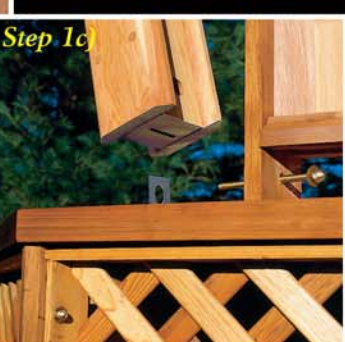
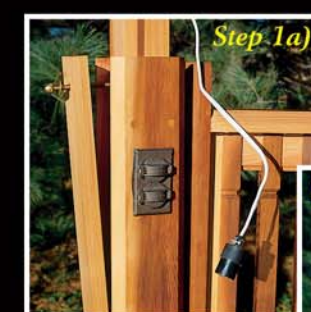
Fret Sections are best installed by placing the 6" threaded rod through the post then install flanking frets. Nuts should only be finger tight to allow for adjustment until the roof sections are in place.



Identify the on one side angled and on the other side non-angled rail and fret sections used to attach to the two mid-post on the two elongated sides. The mid-posts are marked. (No mid-posts on 8' x 11' model).



Electric Posts are installed on floor seams with pre-drilled holes or on masonry core holes containing a power-supply-line. Feed the wire up the power post to the switch box. Slip the post down over the anchor tab and install the rail sections as described below.



Helpful Hints:

- Pre-assemble 3/8" brass threaded rods, washers & cap nuts
- Use the supplied apron with pouch
- Layout & identify all modules before starting
- Slide trim frames over posts before anchoring posts
- Keep floor bolts finger tight until floor joists are anchored
- Remove the protective feet from roof sections
- Use 5' Scaffolding with wheels for roof assembly
- Cupola installation: Pre-drill for screws
- Polyurethane all exposed end grain (bottom of posts, post tenons, top & bottom of rail frames, floor joists, top of fret frame, trellis brackets, top & bottom of facing pc. and riser)

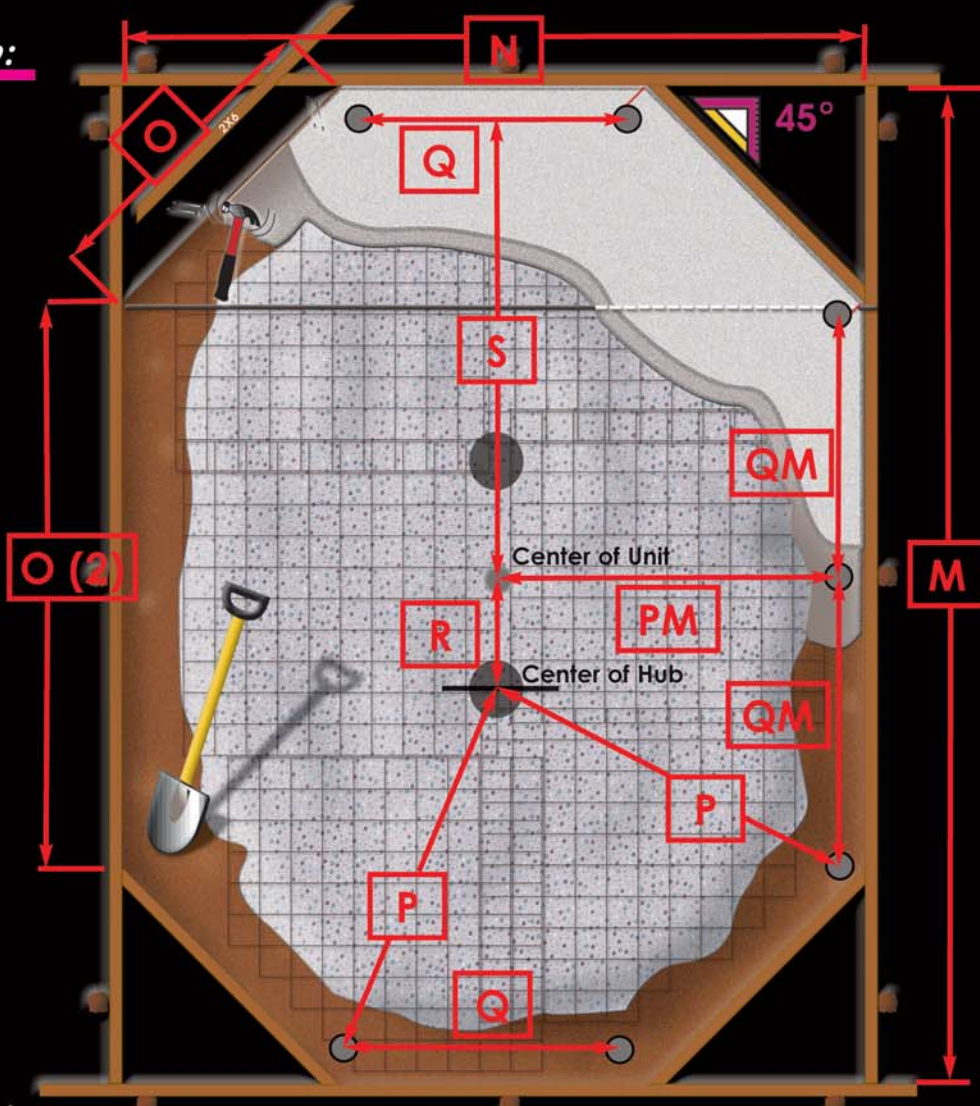
Starting at the entrance, install the Post over the anchor strap, plug in a rail on one side and entrance finishing piece on the other. Use a 6" rod sets to loosely join the modules. Continue with all the posts & rails. Note: Post tenons must slope upward towards the center. Don't forget the trim frames. If your unit has ascending rails the entrance post will be lacking one facing piece (except a model with newel post).

Foundation Instructions for Elongated Gazebos

VixenHill.com
800-423-2766

Pouring Concrete Slab:

Slab Construction requires a rectangular 2x6 form with an interior measure of "N" and "M" (short and long sides, flat to flat) be constructed and staked on leveled non-filled ground. Span the four corners with four additional pieces with ends cut at 45 degrees and with a long side of length "O" and secure with nails. The elongated sides of the frame have to measure "O(2)". The entire frame needs to be leveled. Pour the concrete to top of the wooden frame, level and finish concrete. Leave the frame for a couple of days. After concrete has cured and the frame removed, find the center of pad using "N" and "M". Proceed with core drilling below.



Slab & Piling Dimensions

Key	Model #	8x11 A	11x15 B (A)	14x19B (A)
M: Width, Point to Point		135 3/4"	181 3/4"	227 1/4"
N: Width, Flat to Flat		99"	133"	166 7/8"
O: Length, Side		41"	55"	69"
O (2): Elongated Length, Side		77 3/4"	103 3/4"	130 1/4"
P: Radius, Piling Center		47"	62 3/4"	81"
Q: Spread, Piling Center		36"	48"	62"
R: Elongated Part of Center		18 3/8"	24 3/8"	30 5/8"
S: Elongated Outer to Center		61 7/8"	82 3/8"	105 1/2"
PM: Radius, Center to Mid-post		43 1/2"	58"	74 7/8"
QM: Spread, Piling Center of Mid-post		35 5/8"	48 3/8"	61 5/8"
T: Interior Square Footage (sq.ft.)		62	111	185

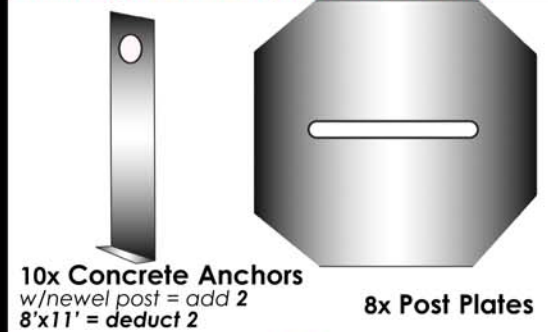
Newel Posts: (main post center to newel post center)
Note: This option requires 2 additional core holes in the slab!

Model Without the Floor:

Core Drilling & Post Anchoring



Anchoring Hardware (with assembly hardware)



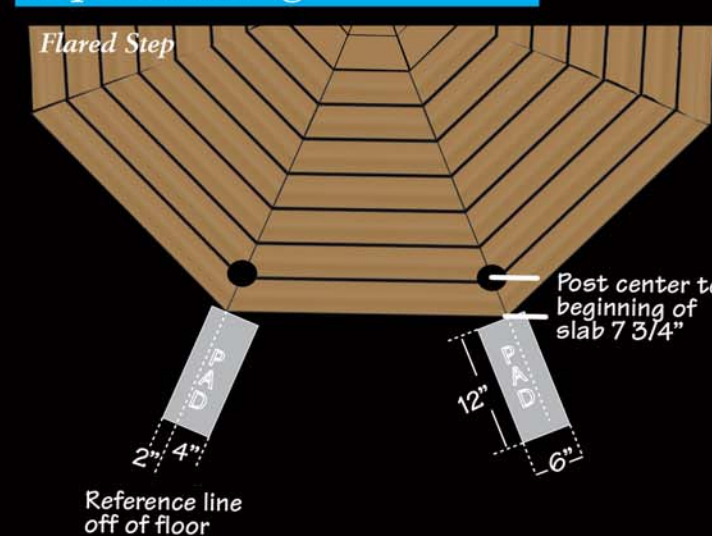
Anchor the post to an EXISTING deck:



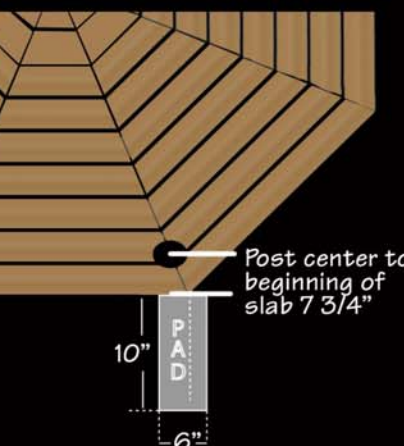
Core Drilling: To drill the 2" outer core holes, measure "R" from the center to the right and left. From this point use "P" and "Q"; verifying "Q" by measuring "S" from the center. To drill the two core holes for the mid-posts use "PM" and "QM" from the center of the unit. (Note: 8'x11' model does not have mid posts!). **Posts anchor** to a concrete slab using supplied anchors and a wet concrete grout mix. Grout the hole as you set each post with its anchor, post plate and adjoining rail. Make sure the distance across the unit (post to post) are the same. Note: Post tenon has to point inside.

At the post center locations drill 2" holes through your deck. Assemble the unit with the post anchor straps dangling through the holes. Span between your main joists with 2x4 lumber and bolt the strap to the 2x4.

Step Anchoring

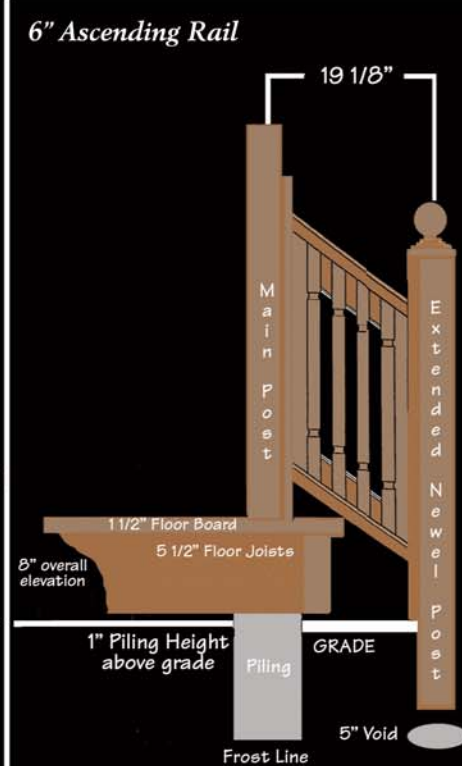
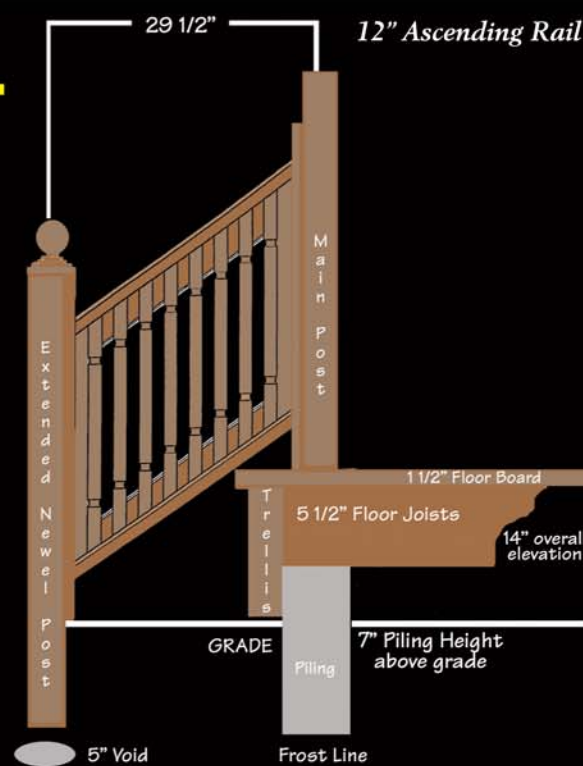


For steps pour two pads to the dimensions shown. Center the step on the cured concrete. Next place both L-shaped anchors underneath aligning the step leg holes with the anchor holes. Mark the concrete through holes then remove the step and drill the two marked points with a 1/2" masonry bit. Tap the anchor bolts into the holes leaving 1" of thread exposed. Place the step back in place and bolt down. Use the brad nails to install the front trellis panel.



Ascending Rail

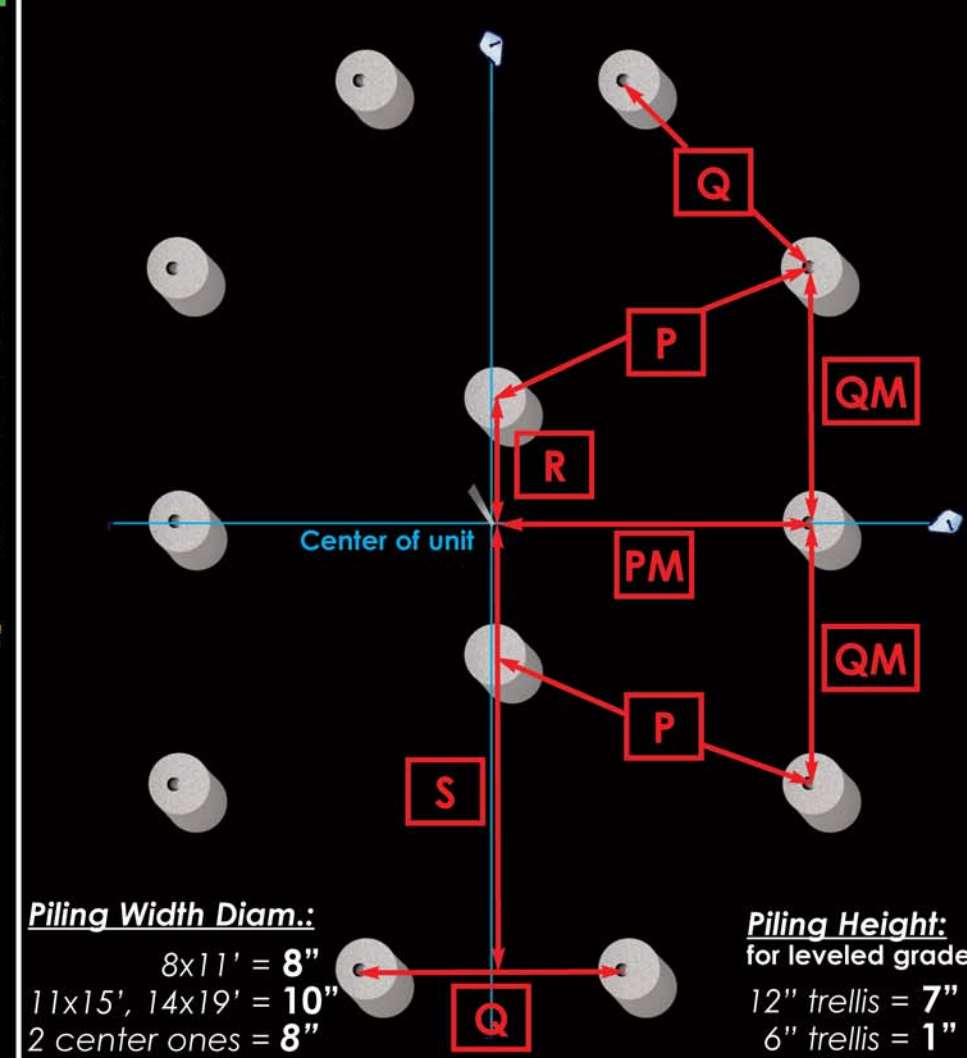
To attach the ascending rails to the main posts, determine the location of the extended post (see right). Dig a hole approx. 15" deep and fill 3/4 with concrete. Center and align the ascending rail against the post. Drive two screws through the facing piece on top and bottom of the rail module. Cover the holes using the supplied wooden plugs. Insert the extended post into ground and bolt it to the rail. Fill the hole around the post with dirt.



Pouring Concrete Pilings

Piling layout requires implanting a stake marking the structure center and measuring distance "R" to the right and left for the central piling locations and long axis orientation. Take dimension "Q" from center of outer piling and "P" from center piling to measure to the center of second outer piling. For the two mid pilings on the elongated side use "QM" and "PM" from the center piling. Proceed this way until you have twelve stakes in the ground. These locations represent piling centers and locations for excavating piling holes to frost-line. Insert the tube according to the right trellis heights and tube size.

For slopes, use the piling on the highest ground as a leveling reference point for the other pilings. Confirm that the measurements "P", "PM", "Q" and "QM" are all center to center. Fill with concrete and top off after it has settled. Allow to cure for 2 days.

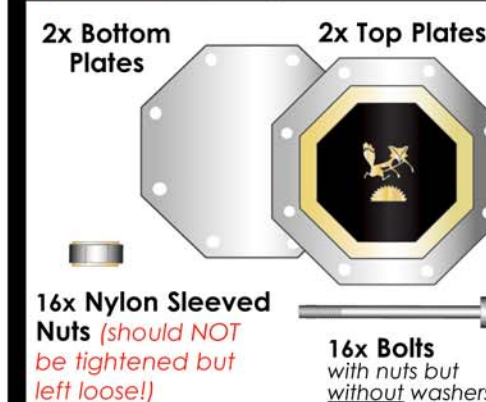


Piling Width Diam.:
8x11' = 8"
11x15', 14x19' = 10"
2 center ones = 8"

Piling Height:
for leveled grade
12" trellis = 7"
6" trellis = 1"

Model With Floor:

Center Hub Assembly



Wooden floor systems for 14 ft. units include 8 inner and 8 outer floor sections. Install the inner sections first see **Step A**, making sure joists and seams are symmetric. Bolt and tighten them alternately then install the eight outer floors in a similar manner. Proceed with **Step B**.



Each Center Hub assemblies by placing the bottom plate on the center pilings. Align joist tongue holes to plate holes. Install top plates and bolts with nylon nuts but **no washers**. Insert spanner joists. Support joists are not anchored. Metal hanger brackets are screwed to each side of the spanner joists. Place the spanner panel on top over spanner joists (see below).

Floor Layout



Spanner Panel

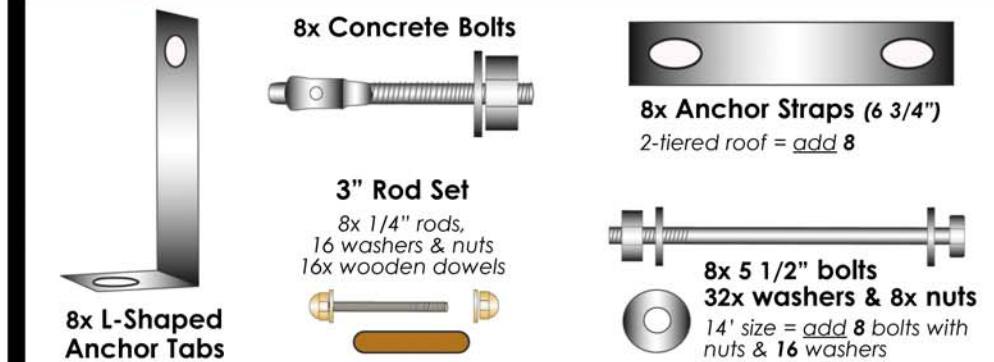


Electric option: Determine the location for the power post; look for the floor section with the hole in the outer right corner and start there.



Step A): After aligning joists, slide a floor section, starting on a short side, into the hub followed by the opposing floor. Proceed in this way with all sections. Gently wiggle them until gaps and seams are symmetric. **Step B):** Then, remove every other section to allow access for anchor placement. With the L-shaped anchor placed in line with the floor joist hole on both sides, mark then drill the piling using a 1/2" masonry bit. Replace the L-shaped anchor and tap the anchor bolts into the holes allowing ~1" of exposed thread. Replace the four floor sections and insert anchor straps between floors and bolt together finger-tight. Then tighten the 8 bolts alternately as in tightening a tire using a 9/16" wrench. If necessary shim the floor joists to level before tightening the concrete bolts.

Anchoring Hardware



Bench Sections

Benches can be single free-standing or contiguous. All single standing benches have two end pieces. They are attached using the brass cap nuts, washer and threaded rod. Contiguous bench sections require mid-brackets and shims on either side of the leg bracket with exception of the ends.

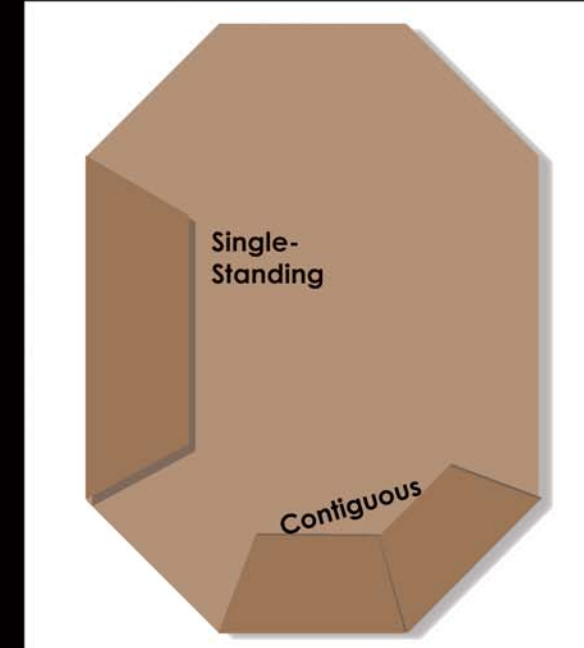
Start with an end bench. Align all non-end leg brackets against the center of the posts and place the bench seats on top. Take an end piece (1x4, 18" long with hole) for either side and finger-tighten the brass rod set. A 1/2" gap between bench and post is normal.

Position the adjacent section onto the next leg bracket. Shim either side between the bench and bench joist. Line up all holes and finger tighten the zinc hardware. Align all gaps between benches and posts before tightening all nuts firmly.

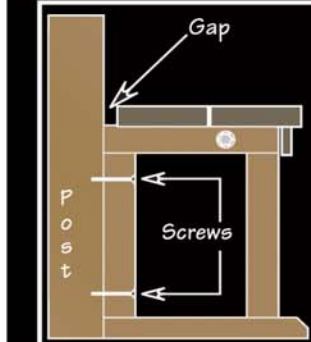
Mid-bracket and shim



Bench Configurations



Bench Attachment



Leg brackets need to be tight against the posts and gaps aligned between the bench and post. Tighten all nuts securely. Two screws fasten the bracket onto the post. Close the holes with the wooden plugs.

Bench Assembly Hardware

