



## FiberLite™ Pergola/Arbor Installation Instructions - Free Standing Installation

### Required Tools:

Hammer Hammer Drill with 5/8 in masonry drill  
13/16" Wrench Portable/Rechargeable Drill with square head  
bit and 5/16" socket head bit Pair of Pliers



1  
Locate the center points of the Columns Make sure the layout is Squared. Also make sure the slab is level.



2  
Use the hammer drill and 5/8" masonry bit to drill a five inch deep hole.



3  
Remove the dust from the hole to insure a clean insertion of the stainless steel anchor.



4  
Use the hammer to install the stainless steel anchor in the prepared hole



5  
Use the 3/4in wrench to tighten the nut on top of the anchor



6  
Install the connector nut on top of the stainless steel anchor and tighten.



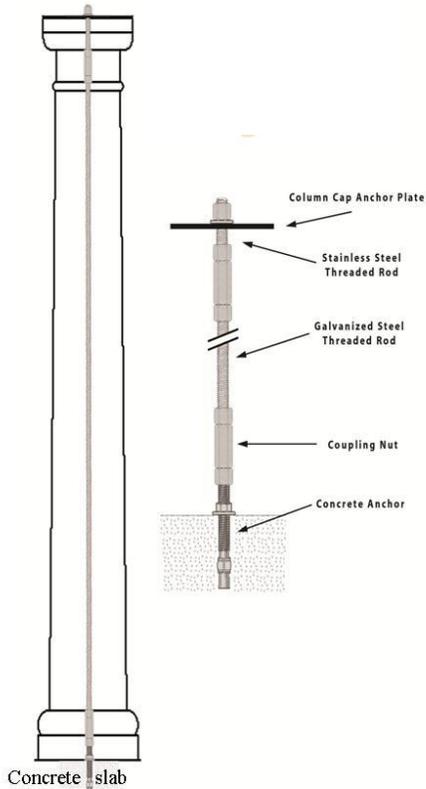
7  
Position the column so that it is centered over the connector nut. If the column base is not installed, slide it over the top of the column and down the column to the bottom



8  
Attach a connector nut to the threaded rods and then attach the short six inch stainless steel threaded section to the top of the connector nut.

Concrete Slab needs to be a minimum of 5" thick. Concrete footing needs to be a minimum of 2'x 2'x 2'

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Lower the threaded rod into the column and engage the coupling nut on the bottom



Screw the threaded rod snugly into the coupling nut at the bottom of the column and tighten with pliers.



Locate the column cap shown in photos 11 and 12. Place on the column and feed the threaded rod through the hole in the center of the plate with the welded angle.



Tilting the column to one side may make it easier to position the rod so it can be inserted through the hole in the cap. Make sure that the attached angle is oriented properly. Caulk around the center hole. Only finger tighten the stainless steel nut at this time.

**Notes:**

- It is easier to paint the arbor on the ground before you begin installation.



Install the headers **without** decorative rafter tails on the opposite side of the aluminum angle using the 2.5" hex head stainless steel screws. Set the clutch on the drill so the screw is not stripped.



Install the headers **with** the decorative rafter tails on the opposite side of the aluminum angle using the 2.5" hex head stainless steel self tapping screws. Set the clutch on the drill so the screw is not stripped.



Starting in the center of the arbor begin installing the rafters with the decorative tails. The headers have fiberglass angles as shown which indicate the rafter location.



Continue working out from the center until all the rafters are installed.



Following the layout pattern on the rafters  
Begin installing the PURLINS across the  
top of the rafters using the 3" stainless  
steel deck screws



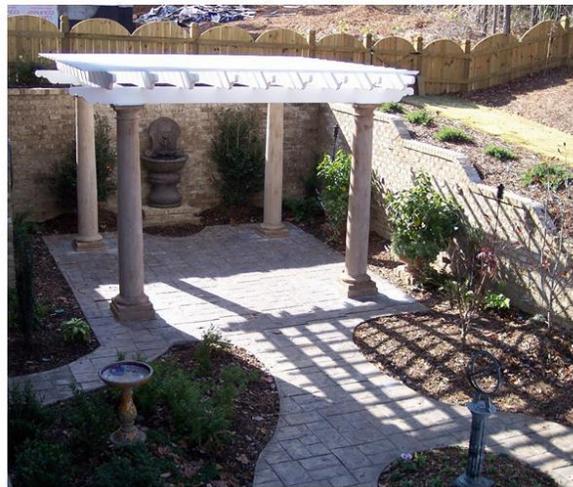
Set the clutch on the drill to insure that the  
screw head does not dimple the top surface  
of the purlin. Continue across the top of  
the rafters until all purlins have been in-



Using a 15/16" deep well ratchet or  
opened end wrench tighten the nut on  
top of each columns until very tight.



Using a 1/8" drill bit drill a hole in the  
bottom near the end of each header,  
rafter, and purlin. This will insure that  
moisture will vent should any collect.



Accessorize as you desire and begin to experience many  
years of low maintenance enjoyment.