

20 X 20 PERGOLA INSTALLATION INSTRUCTIONS



List of Materials

Column assembly

- 12 threaded rods 3' long
- 8 coupling nuts
- 4 tuscan base and capital for each column
- 4 square columns
- 4 bottom plates for column assembly
- 4 top plates for column assembly
- 12 5/8 nuts and washers
- 8 5/8 lock washers

Beam assembly

- 2 fiberglass beam assemblies (2x10)
- 4 5/8 nuts, washers and lock washers

Rafter assembly

- 10 fiberglass rafters (2x8)
- 20 9" wood screws

Purlin assembly

- 10 fiberglass purlins (2x4)
- 30 5" screws to attach purlins to the rafters

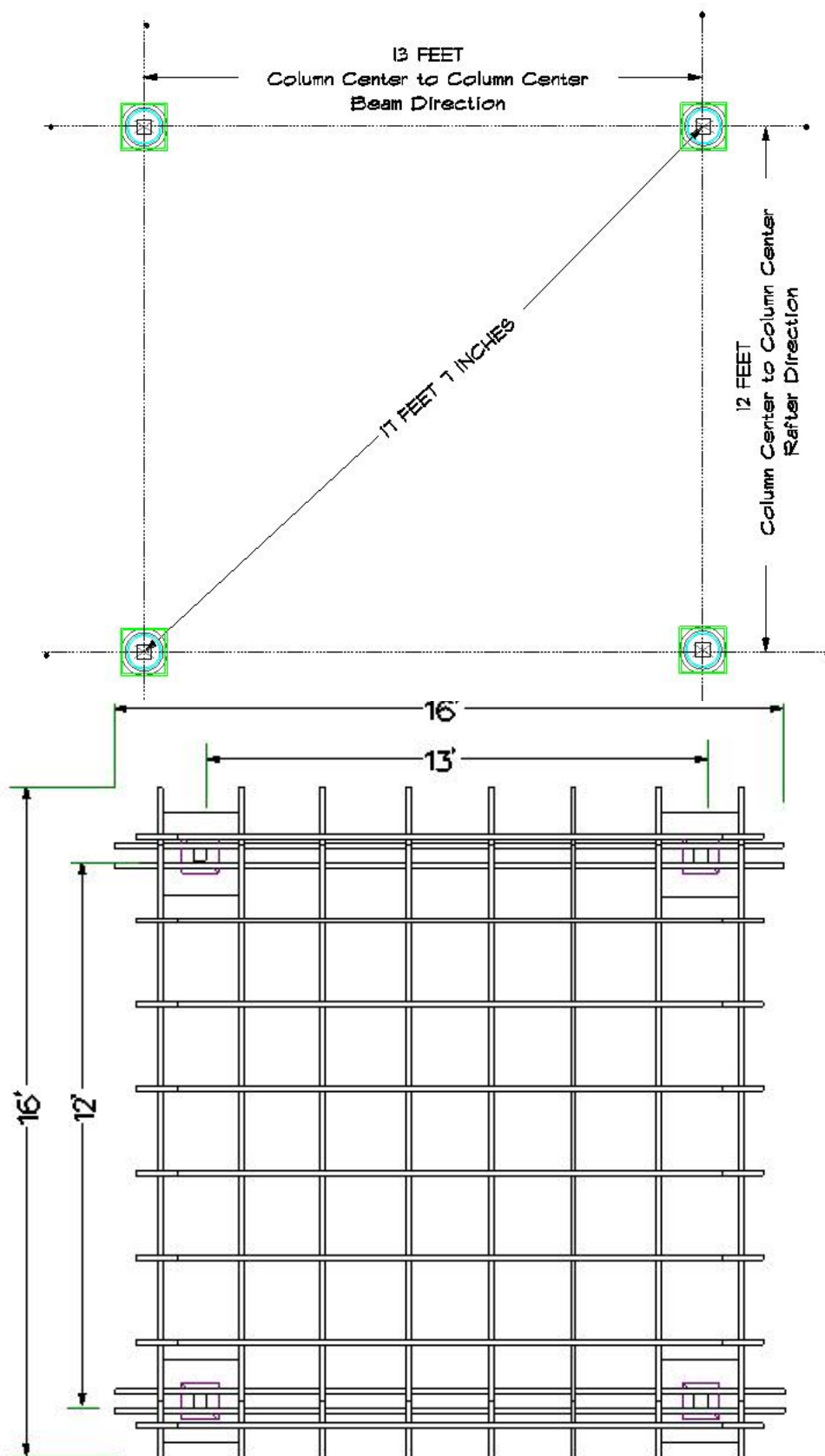
Tools Required

- Driver for screws
- Level
- Tape measure
- Wrenches
- Metal saw (sawzall with metal blade)
- Safety glasses

Be sure to follow the safety instructions for all the tools

20 X 20 PERGOLA INSTALLATION INSTRUCTIONS

COLUMN LAYOUT



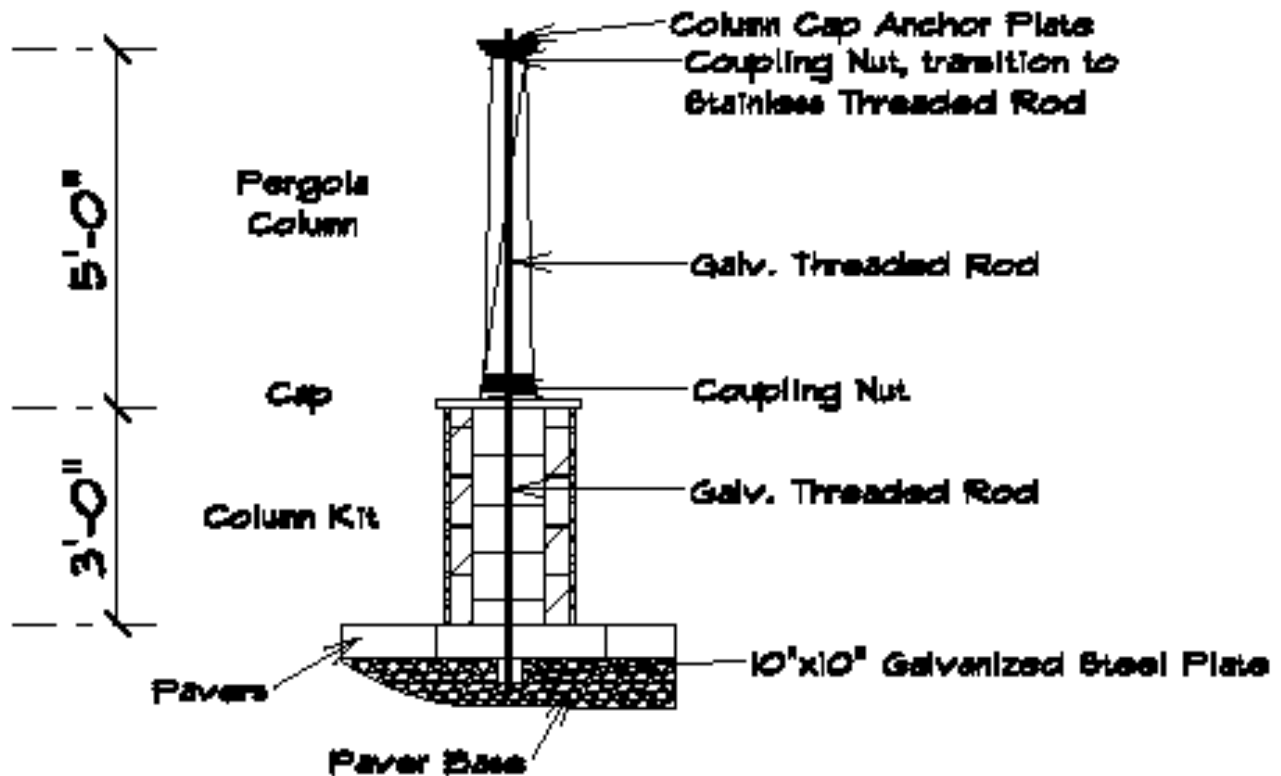
The pergola beams are 20 feet long and the pergola rafters are 20 feet long.

When installed the 20 foot **beam** will extend beyond the 16 foot column centers a foot and a half on each side.

When installed the 20 foot **rafters** will extend beyond the 16 foot column centers 2 feet on each side.

20 x 20 PERGOLA
INSTALLATION INSTRUCTIONS

5' COLUMN ASSEMBLY INSTALLATION
WITH CAMBRIDGE COLUMN KIT



Insert threaded rod into steel bottom plate and attach second rod using coupling nut. Position the four plate and rod assemblies as per the footing layout.



Install the Cambridge Column Kit following the instructions from Cambridge Paving Stones.

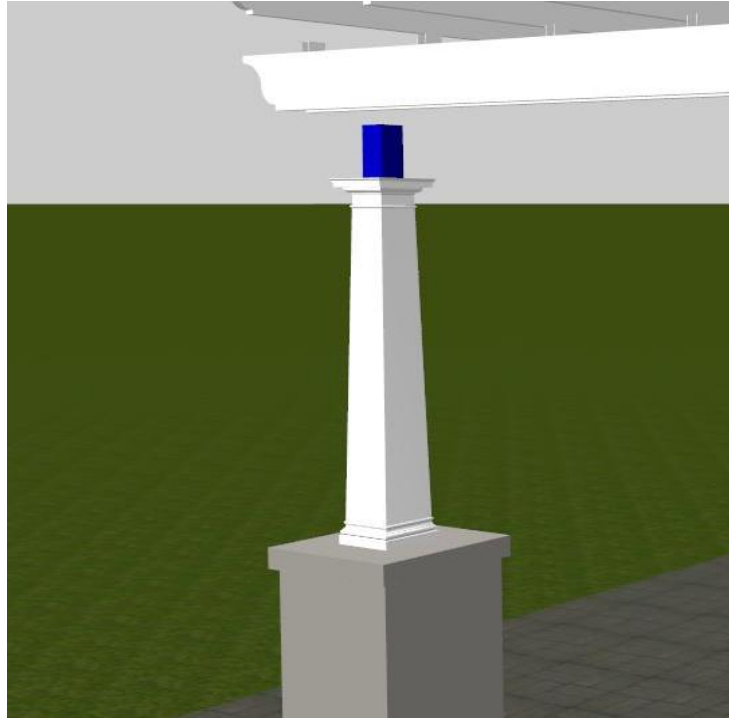


Slide column over threaded rod and attach final rod section.

Slide Cap and Base onto column before attaching top plate

Tightly secure top plate using provided nut and washer to complete column assembly.

20 x 20 PERGOLA
INSTALLATION INSTRUCTIONS
BEAM INSTALLATION

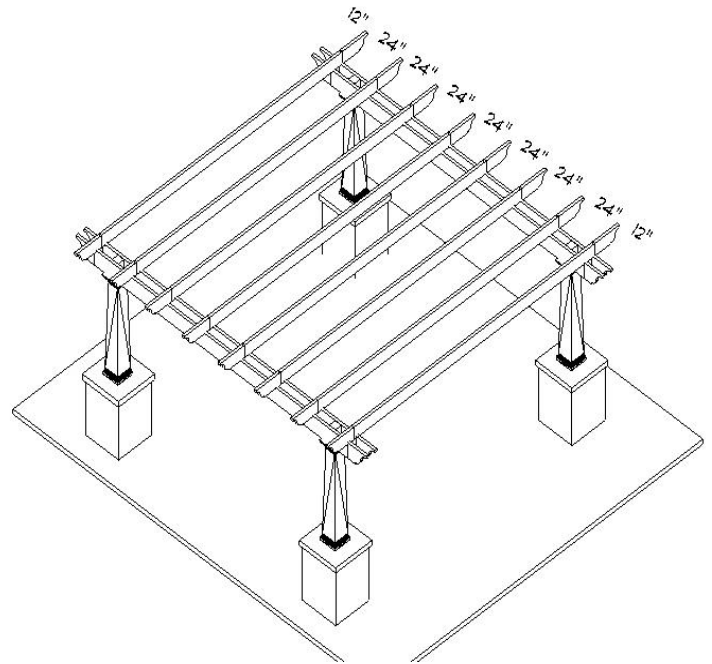
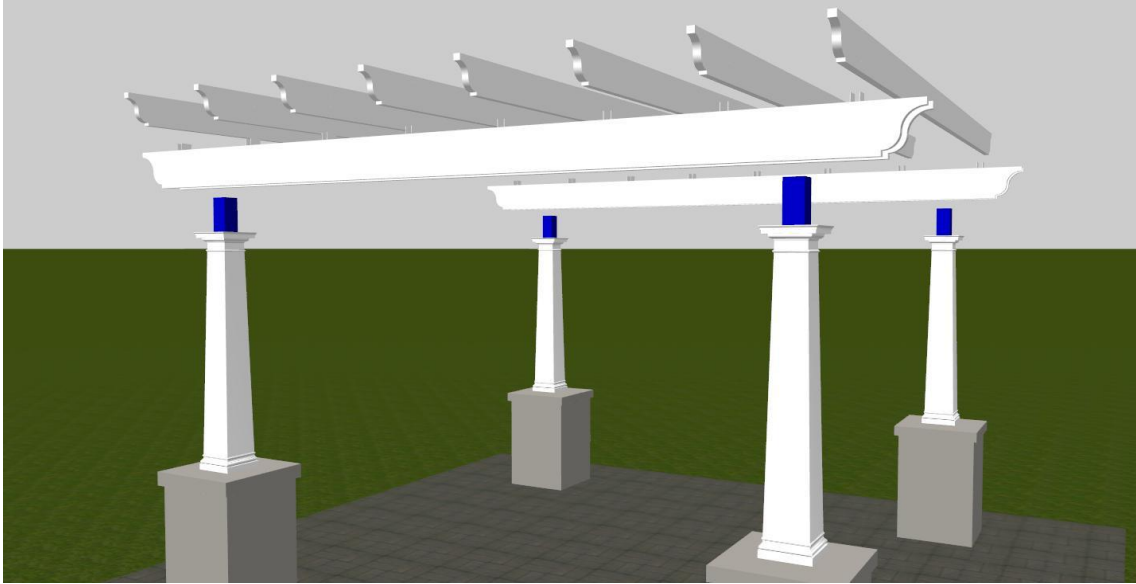


Seat Beam Assembly over Column Assembly and attach using aluminum bracket



Leave bolt loosely tightened until false beam is installed.

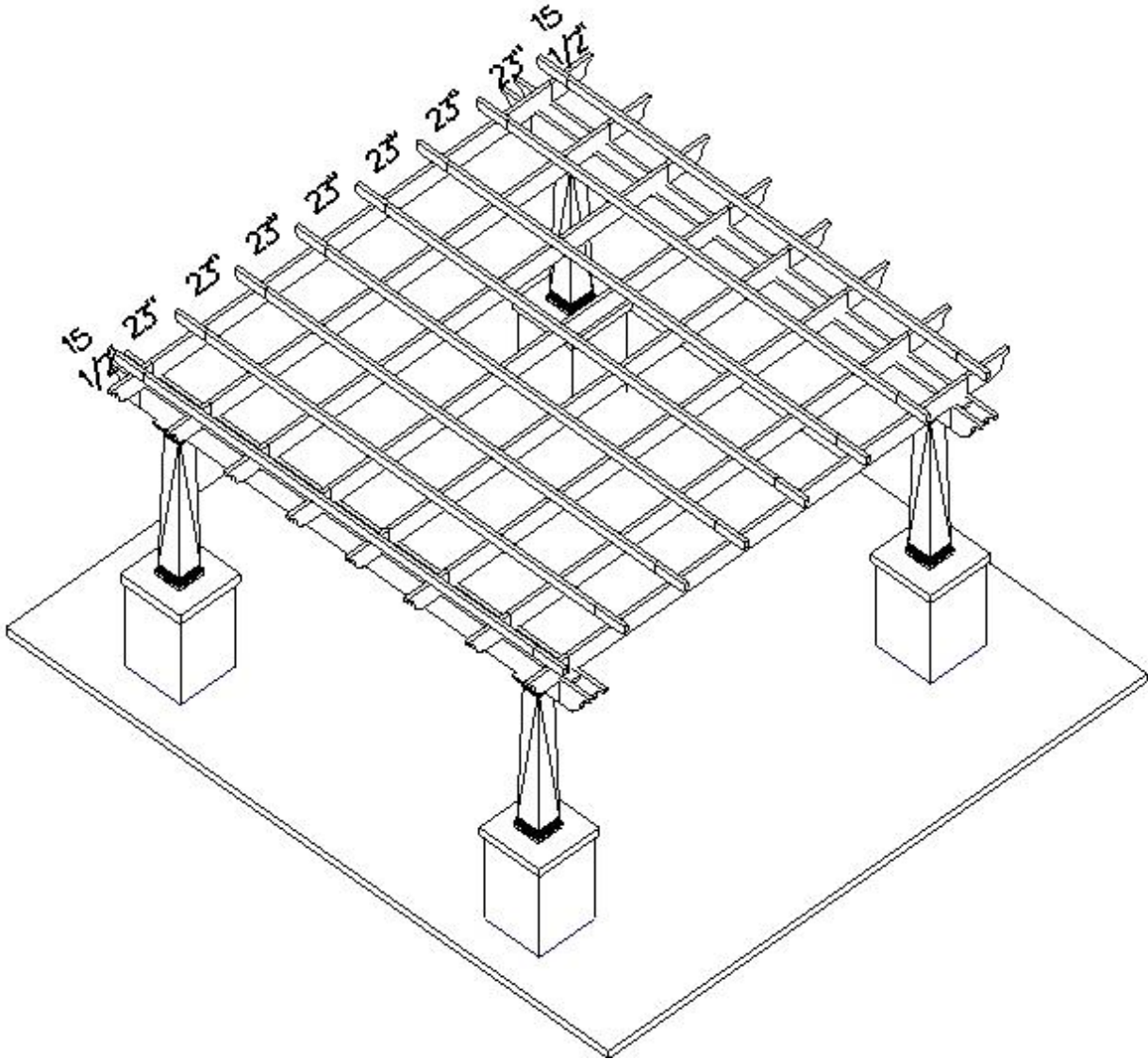
20 x 20 PERGOLA
INSTALLATION INSTRUCTIONS
RAFTER and PURLIN INSTALLATION



Align rafters with the spacers between the Beam Assembly.
Secure by putting 9 inch wood screw through pre drilled hole in bottom of spacer, and into the rafter above.

Be careful not to over tighten

20 x 20 PERGOLA
INSTALLATION INSTRUCTIONS
RAFTER and PURLIN INSTALLATION



Once the rafters are installed, install the 2x4 Purlins using the 5 inch self drilling screws. Install one screw in each purlin along each of the outside rafters. Use the remaining screws to fasten the middle of the purlins to one of the middle rafters. Space the first purlin 15 and 1/2 inches in from the tip of the rafter. Position each of the remaining purlins at 23 inches from the face of the previous purlin (23 inches equals the width of one purlin plus the distance between the purlins)

Leave the protective plastic on the rafters and purlins until ready to install.