



## Installation Instructions

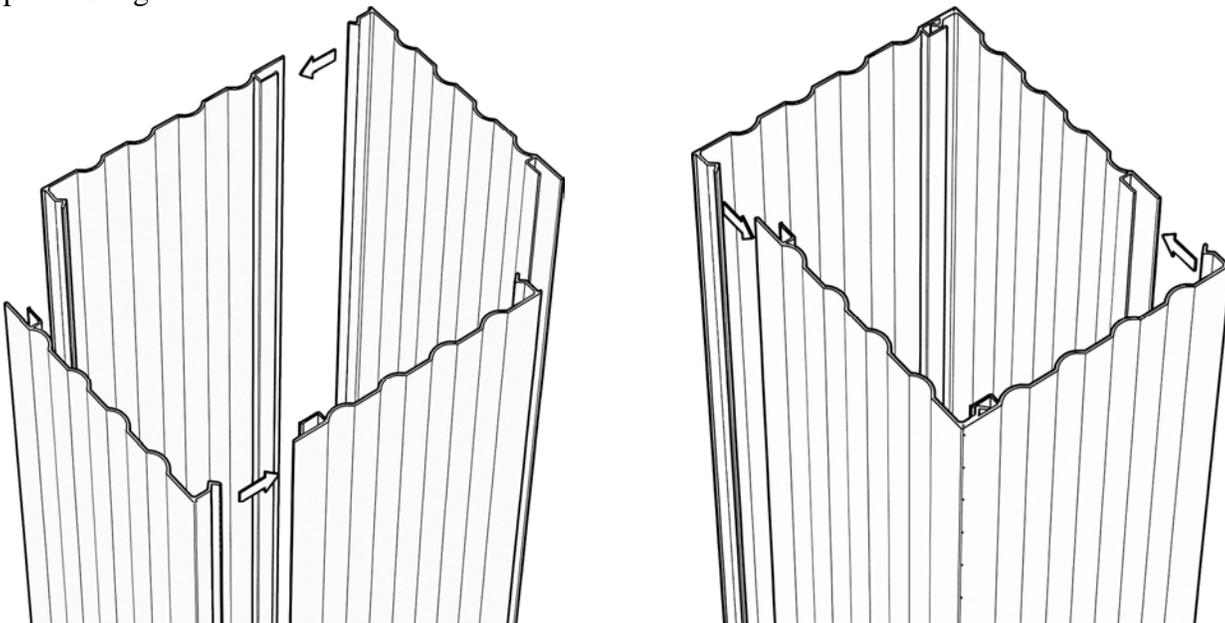
<b>Tools and Materials Needed</b>	
<b>Required</b>	<b>Optional- May Be Required</b>
<ul style="list-style-type: none"> <li>- Tape Measure</li> <li>- Carpenters' Pencil</li> <li>- 3/8" Drive Hammer Drill</li> <li>- 1/4" Drive Impact Driver</li> <li>- 3/8" Drill with Clutch</li> <li>- 5/32" Drill Bits (pre-drill for screws)</li> <li>- 3/8" Masonry Bit (pre-drill for concrete)</li> <li>- #2 Square Drive Bit (beam fasteners)</li> <li>- 5/16" Hex Driver (shade tubes)</li> <li>- 1/2" Hex Driver (concrete anchors)</li> <li>- #3 Phillips Driver for Impact/Screw Gun (column base)</li> <li>- Hammer</li> <li>- Quick-Grip Clamps</li> <li>- (2-3) 8' Ladders</li> <li>- String</li> <li>- Level</li> </ul>	<ul style="list-style-type: none"> <li>- Miter Saw</li> <li>- Non-Ferrous Saw Blades</li> </ul>
<b>Useful Part Numbers</b>	
DeWalt® DW3217 - 10" 80T Non-Ferrous Metal Cutting Blade or equivalent	
DeWalt® DW3229 - 12" 80T Non-Ferrous Metal Cutting Blade or equivalent	

\*\*\* Non-standard & custom pergolas may require different installation methods than shown. \*\*\*

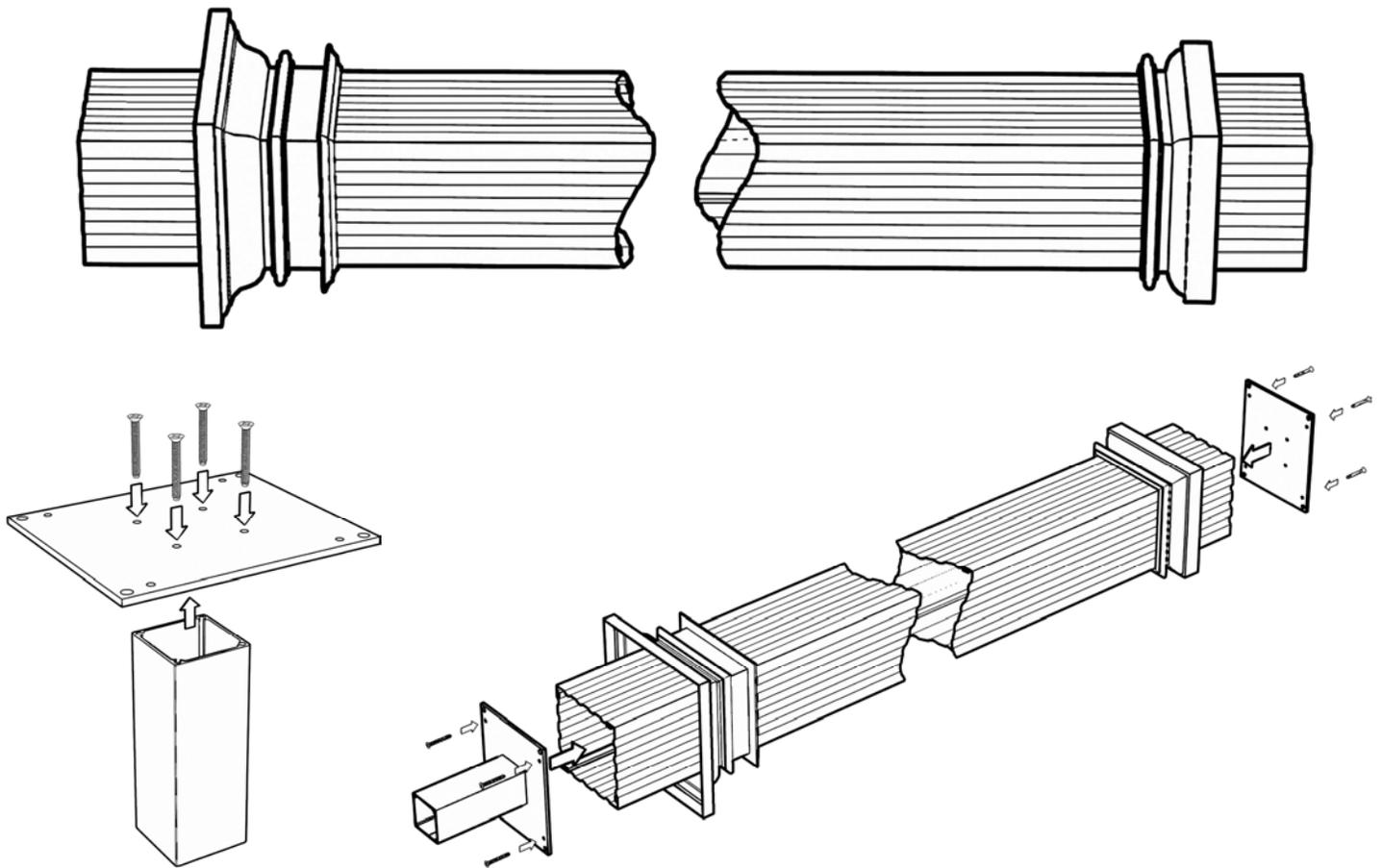
**Step 1: Layout all components and ensure you have all the required pieces and lengths.**

**Step 2: Assemble the columns.**

Snap together to form 2 L shapes then snap the 2 L's together. A quick clamp is the easiest way to snap the profiles together.

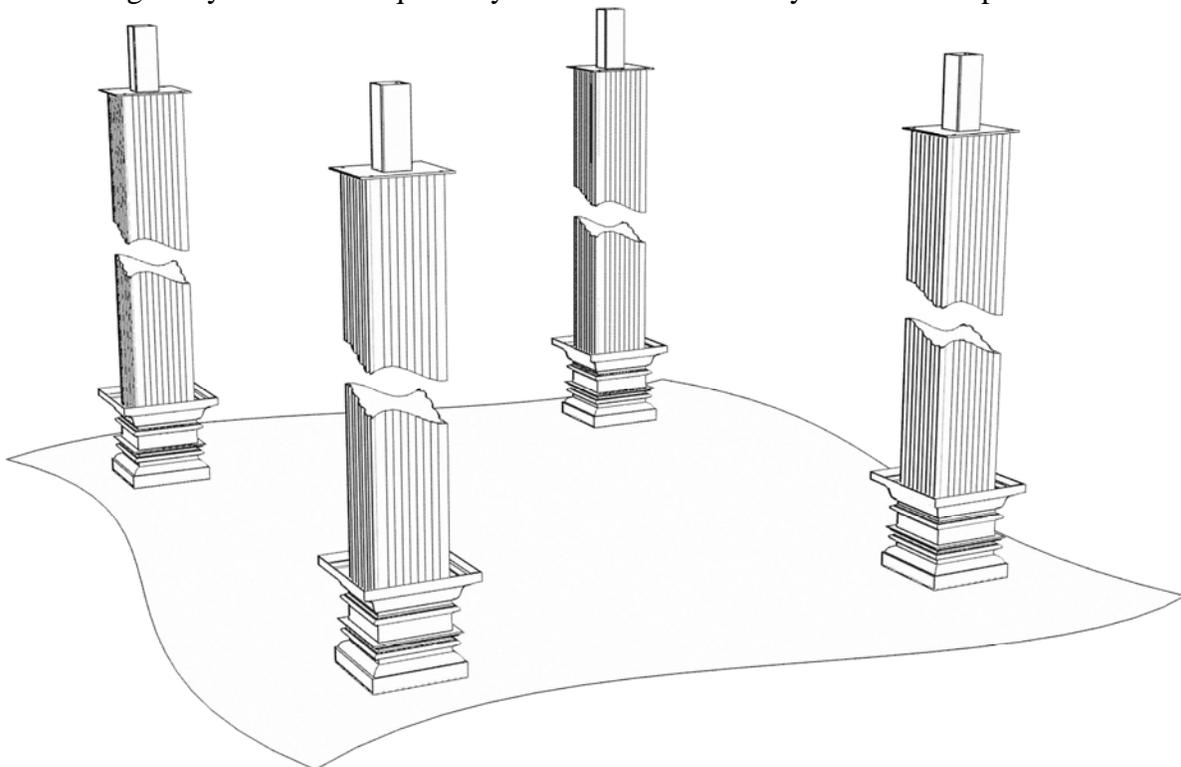


Slide the column bases up the column and fasten the top and bottom mounting plates on.



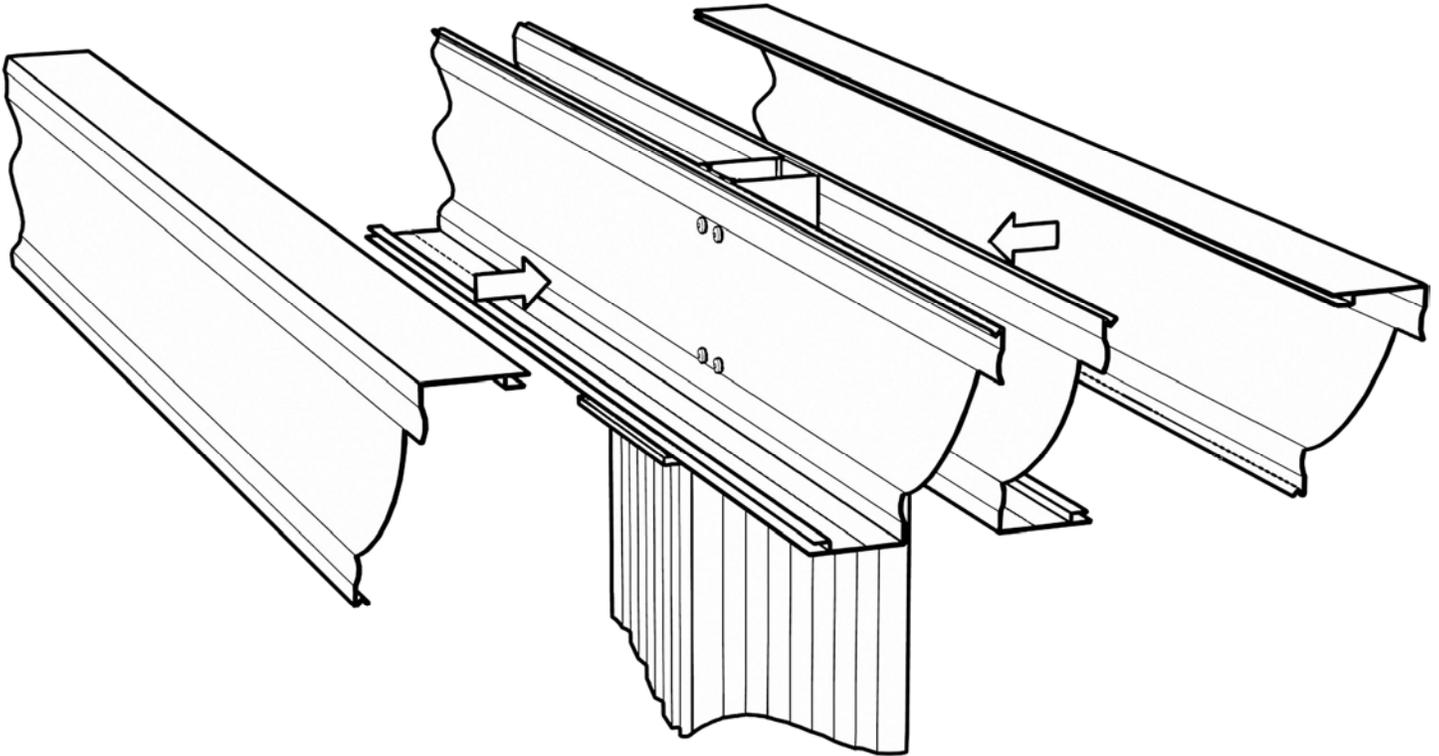
**Step 3: Layout the columns and fasten.**

Slide the column bases up the column and clamp a quick clamp on the column to hold them out of the way. Be sure to measure diagonally to ensure a square layout. Washer shims may be needed to plumb the columns.

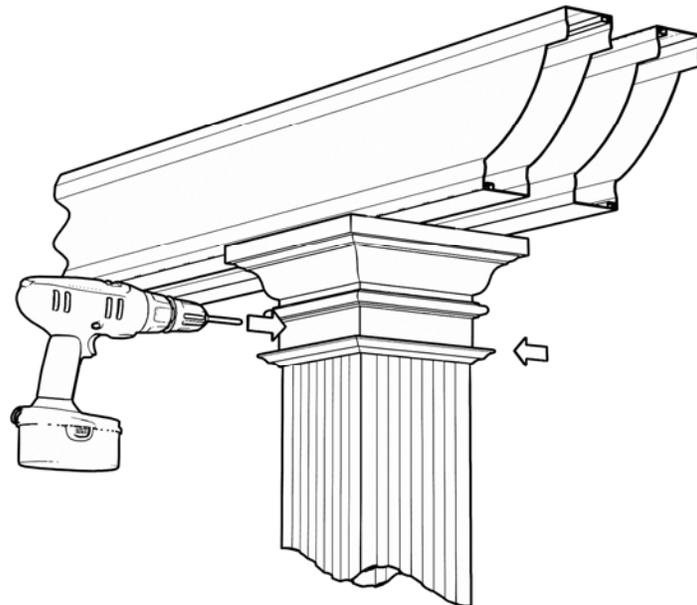


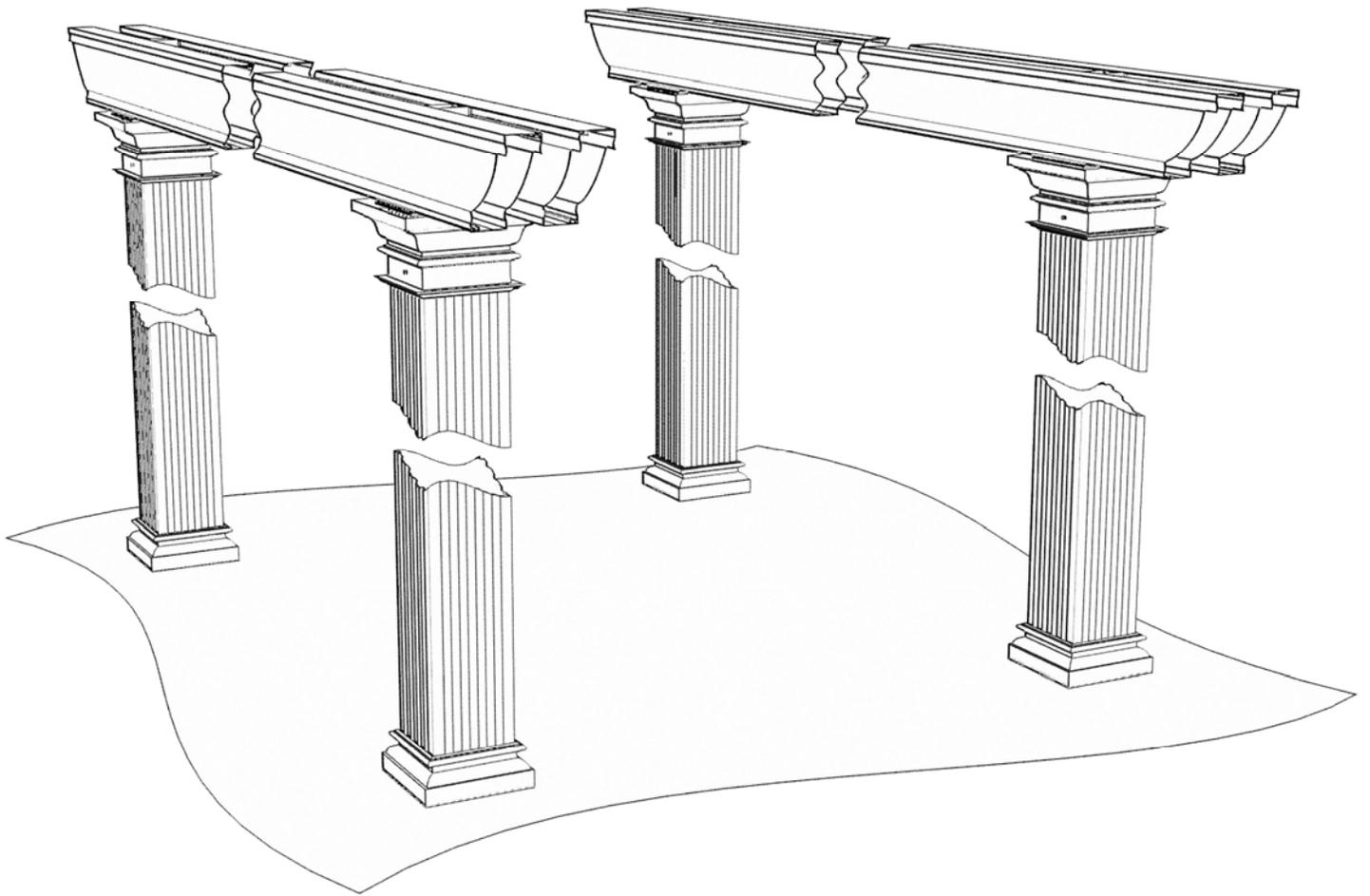


Snap the opposite header on to the previously fastened beam. Be sure to flush up the ends before snapping on. The use of several quick clamps is recommended.



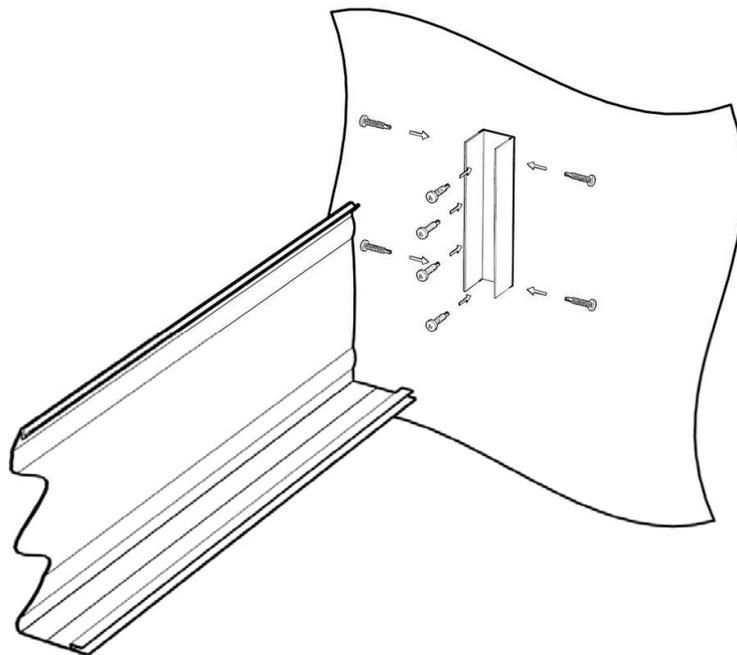
**Step 5: Pre-drill and fasten the top column cover in place.**





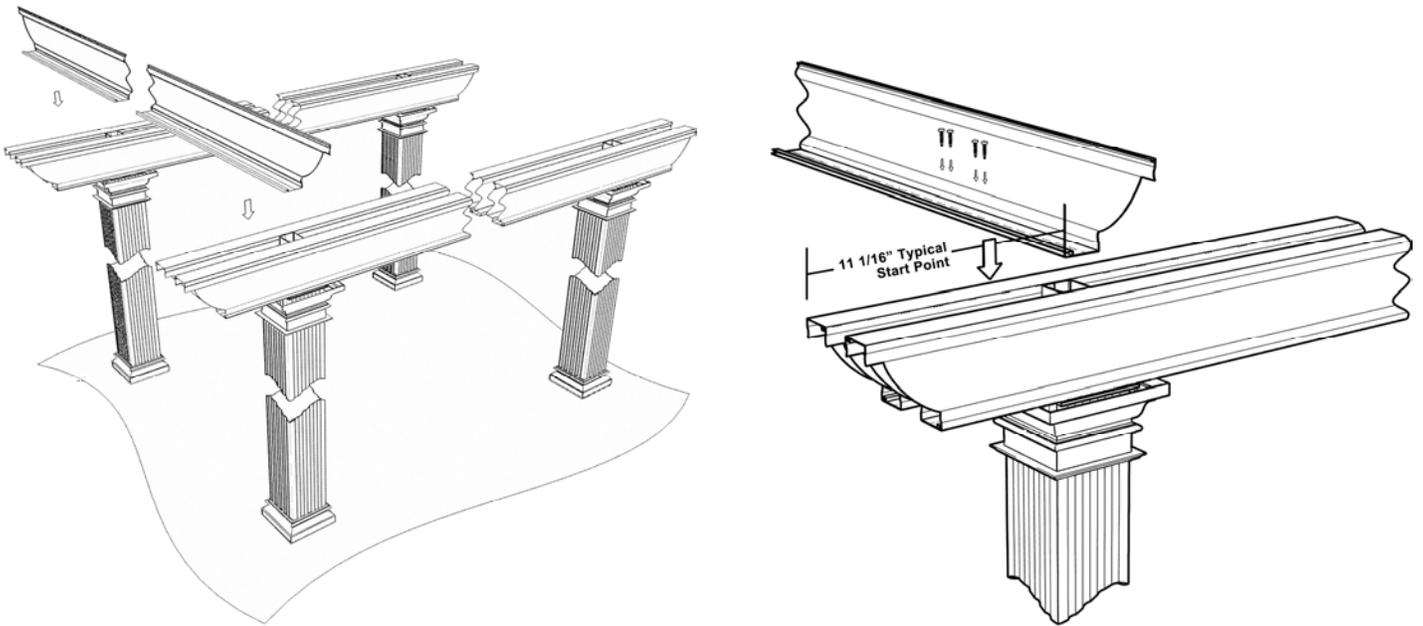
**Step 6: Wall Mounted Rafters:**

Measure to the top of the header beam and use those measurements to locate the height of the angle clips to fasten to the wall.



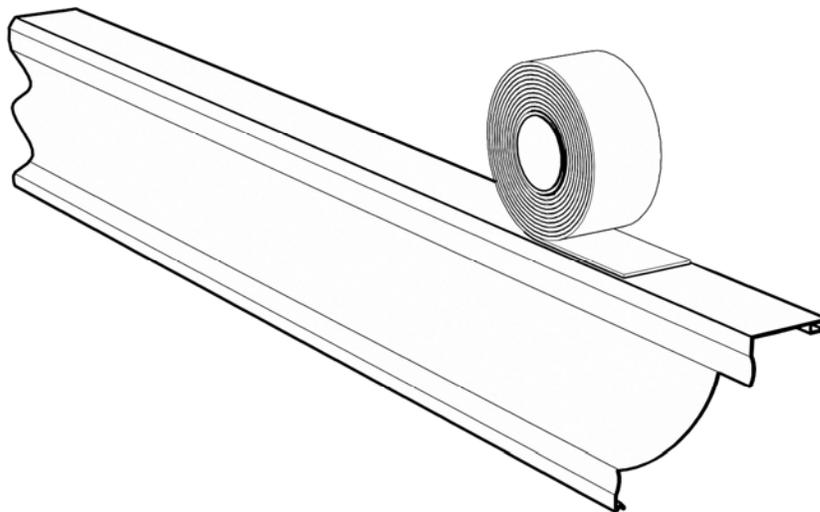
**Step 7: Mark all rafter beam locations on top of the header beams and fasten.**

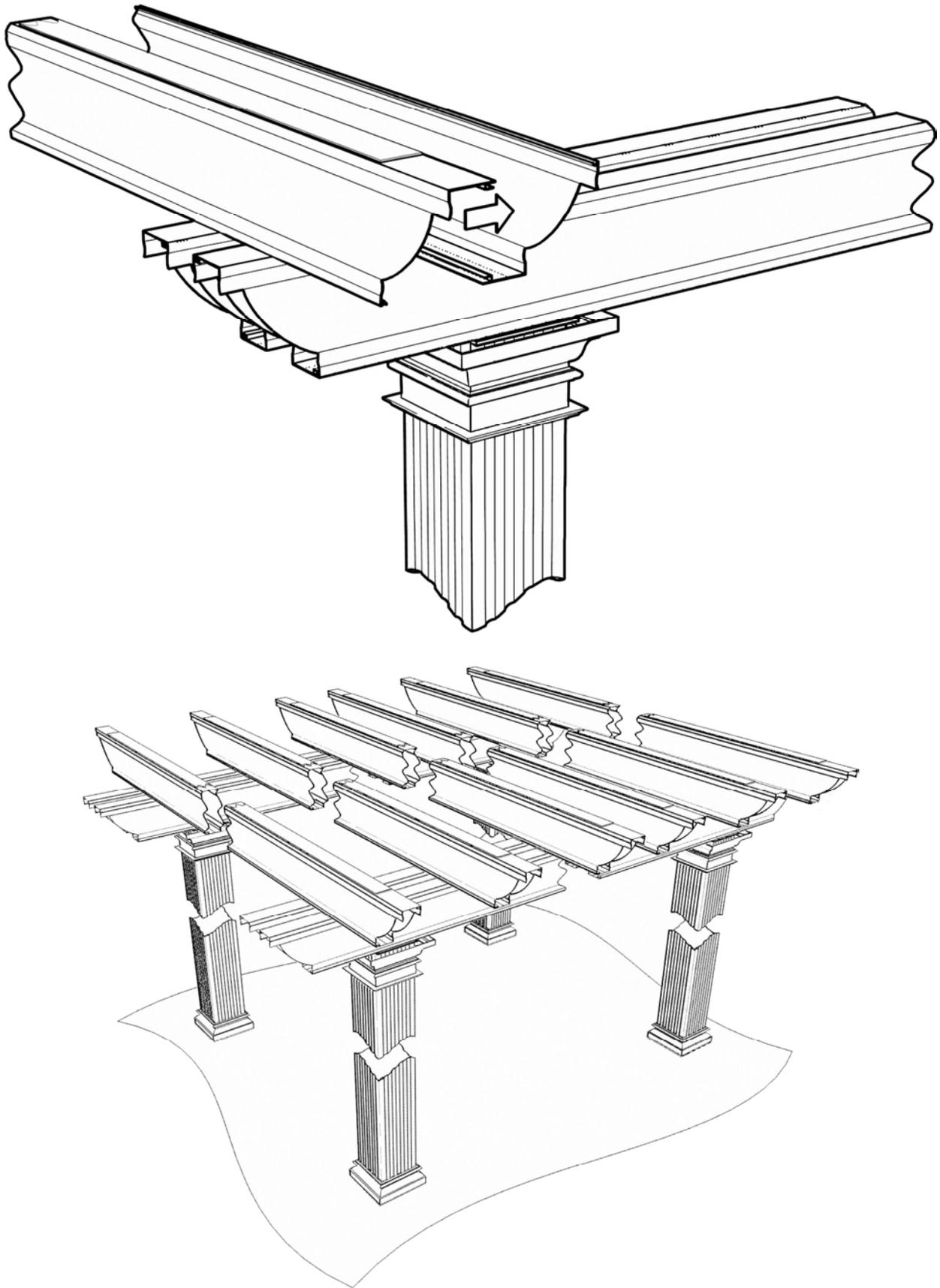
Standard start point is 11 1/16" for standard 2 foot increment pergolas. Typical centerline rafter spacing is 24". Measure and mark each location prior to installing the first rafter to ensure even spacing.



**Step: 8: Apply the double sided tape to the top of the opposite rafter beam then snap it to the previously fastened rafter.**

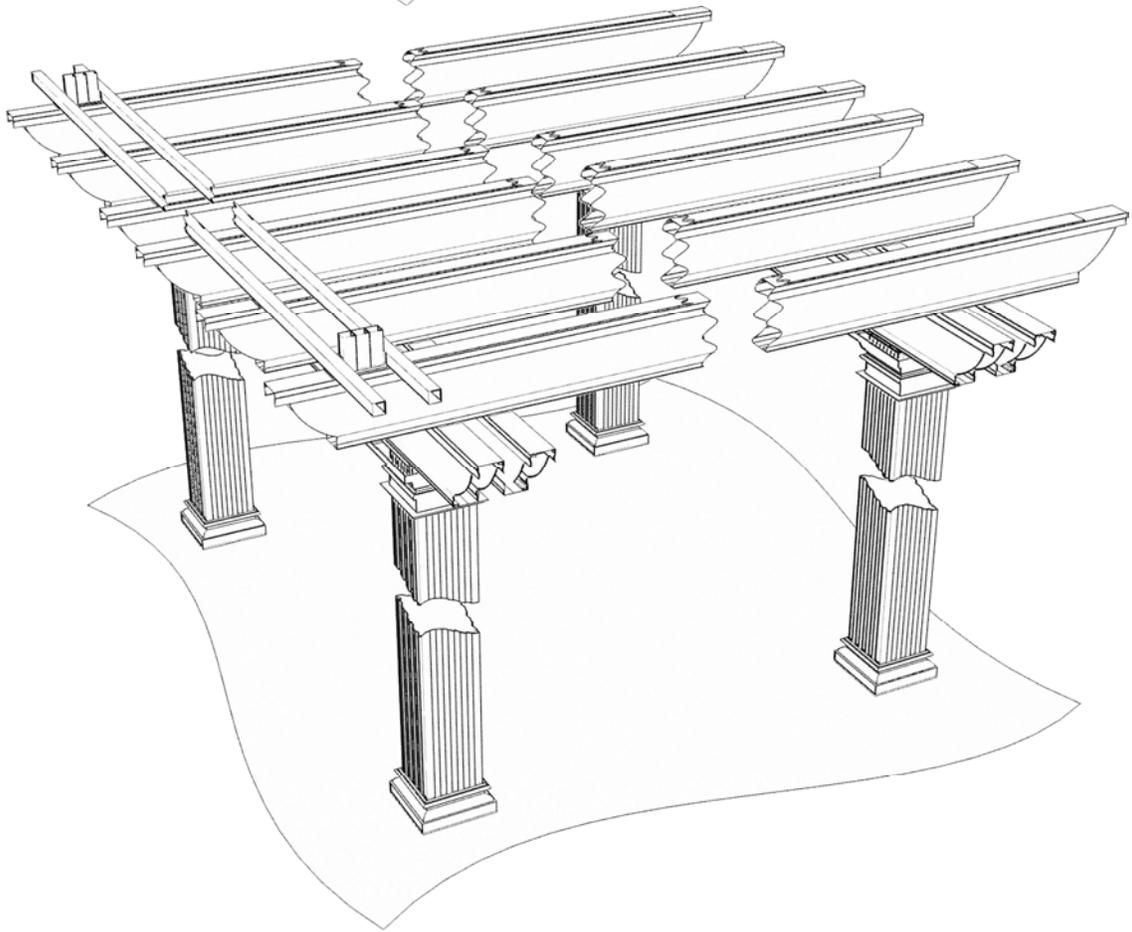
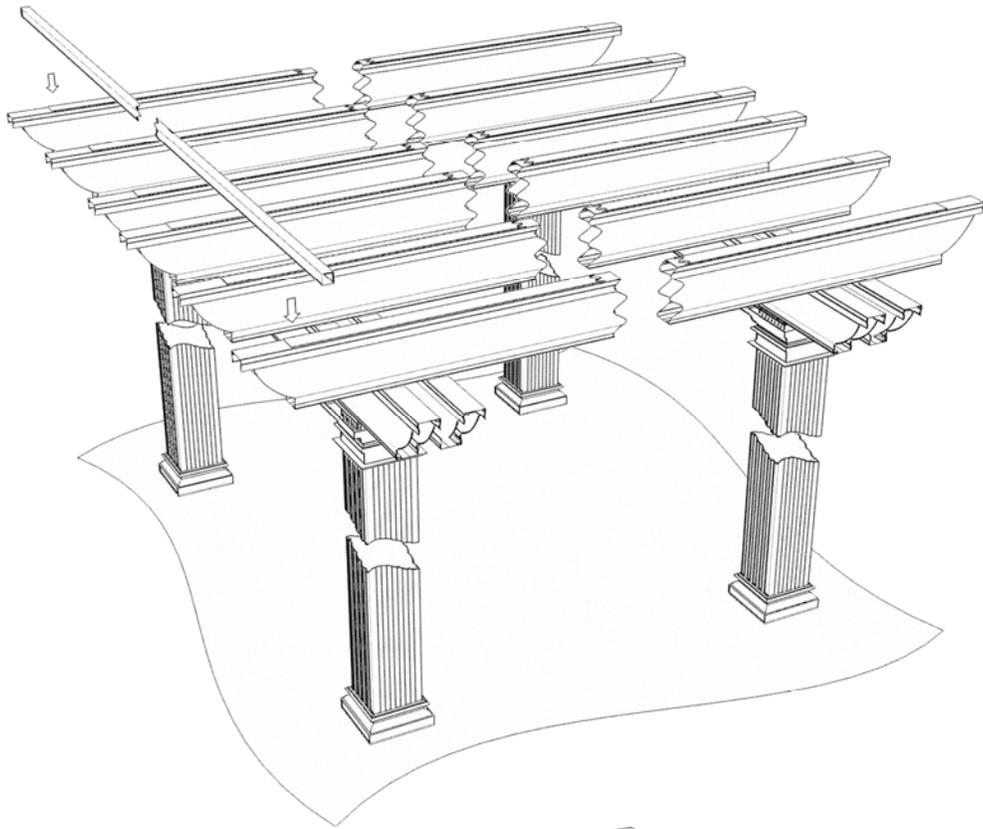
Use a quick clamp to snap the parts together.

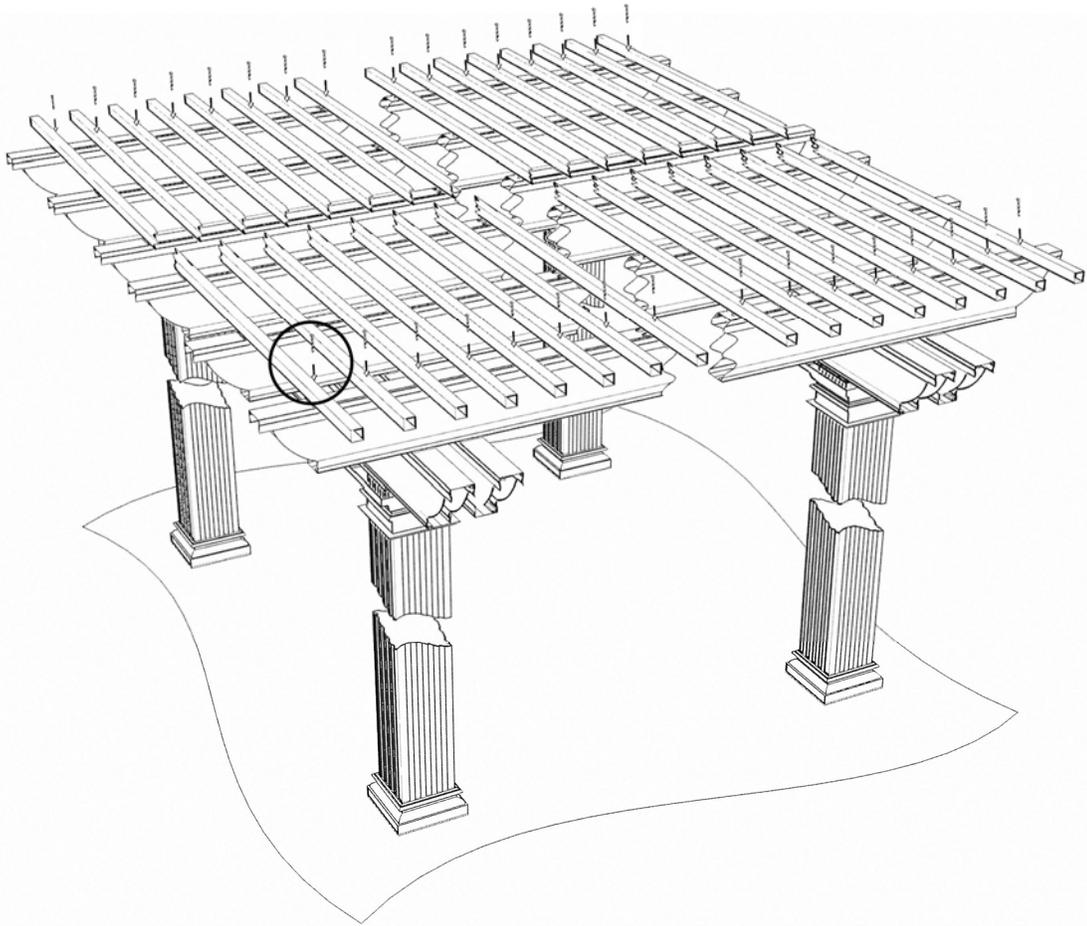




**Step 9: Remove the protective backing from the tape and press on the shade tubes.**

Use the provided short shade tubes as spacers. 1 spacer allows 3" centers, 2 spacers allow 4.5" centers, 3 spacers allow 6" centers and 6 spacers allow 9" centers. Once the shade tubes are installed fasten the outsides of each tube to the rafter.





**Step 10: Install the header, rafter and shade tube end caps.**

Pre-drill and fasten the rafter and header end caps. The shade tube caps pop on without fasteners.

