

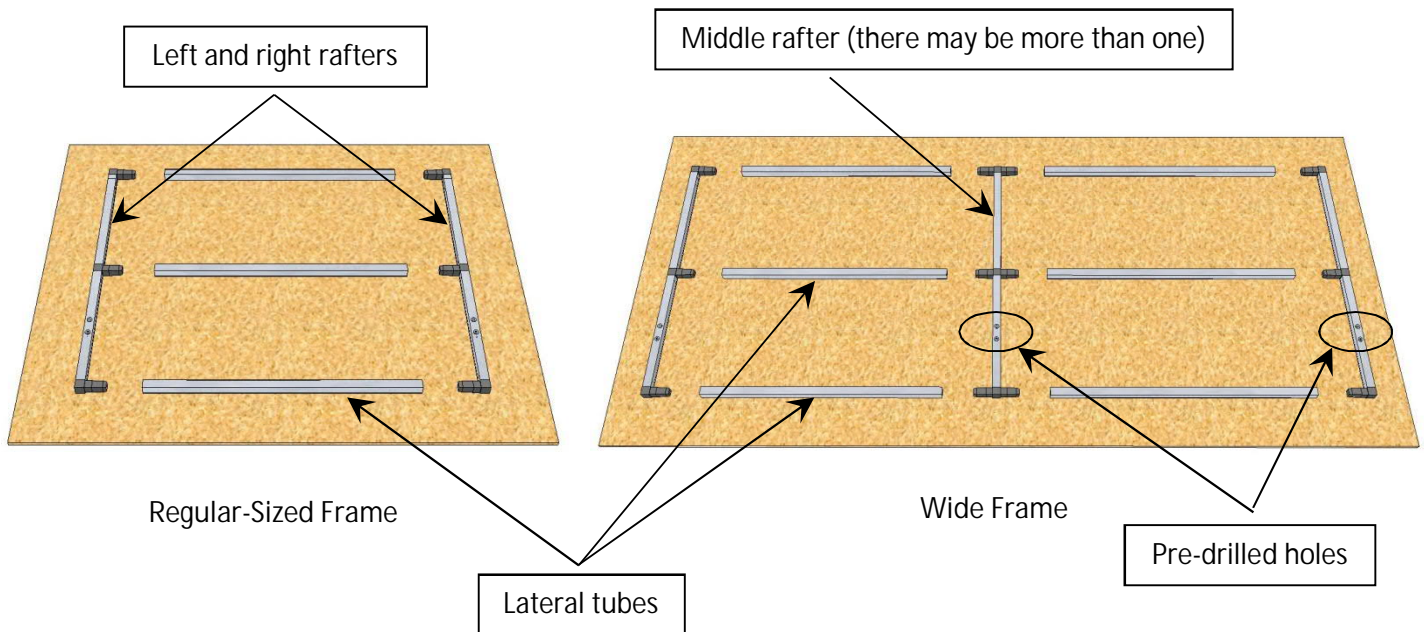
## Austin Standing Seam Awning with Overhead Braces Assembly and Installation Instructions

Be sure to use safety glasses when assembling and installing the awning. Some metal parts may have sharp edges. Use work gloves to handle them.

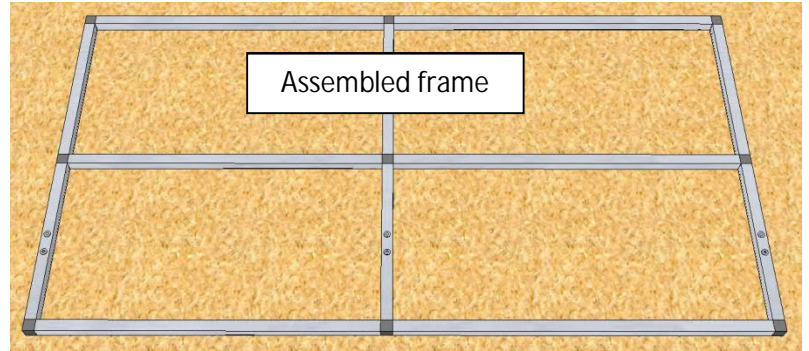
These instructions are available online at <https://www.generalawnings.com/instructions>.

### Assembly Instructions

**STEP 1.** Arrange the awning frame parts as shown below. All the pre-drilled holes in the awning rafters should be on your side of the awning frame, as shown.



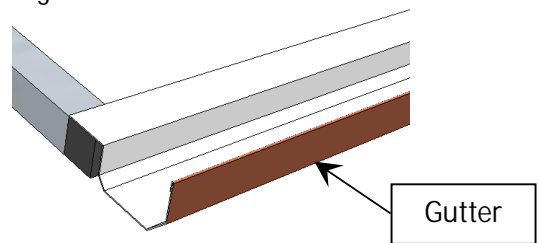
**STEP 2.** Assemble the awning frame: Using a mallet, assemble the rafters with lateral tubes.



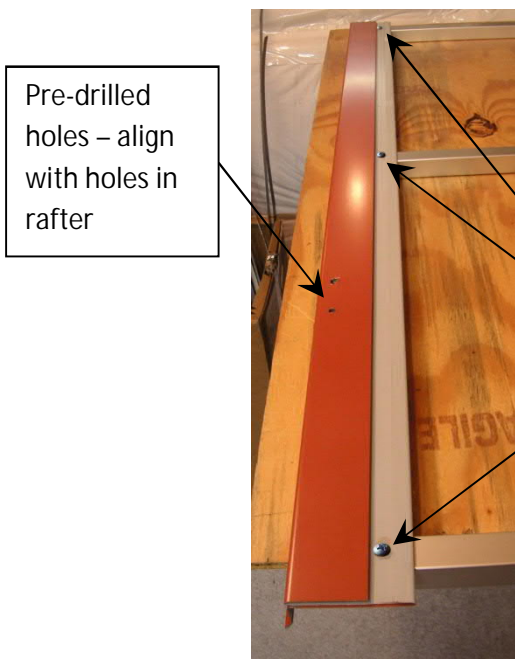
**STEP 3.** If you ordered an optional gutter, perform STEP 3A on the right. Install the left flashing. If you have a gutter, the flashing installs on top of the gutter. Align the pre-drilled holes in the flashing and the rafter tube. Secure the left flashing to all the intersecting lateral tubes with self-drilling screws as shown below. (It is advisable to drill a pilot hole before driving the screw.)

Optional: Clamp the flashing to the frame or temporarily insert the supplied 1/4"-20 x 1-3/4" bolts into the pre-drilled holes and secure with nuts to prevent the flashing from shifting when driving the self-drilling screws.

**STEP 3A.** Gutter installation. Position the gutter on top of the front lateral tube. Align the back edge of the gutter with the back edge of the front tube. It is advisable to clamp the gutter to the front tube.



If your gutter consists of multiple sections, seal the gutter joints with the included FLEX TAPE®.



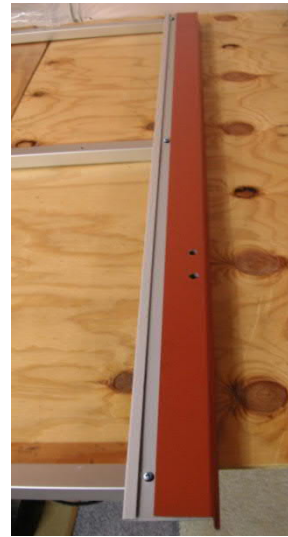
Secure with self-drilling screws at all lateral tubes



**STEP 4.** Install the right flashing. Align the pre-drilled holes in the flashing and the rafter tube. Secure the right flashing to all the intersecting lateral tubes with self-drilling screws.

Optional: Clamp the flashing to the frame or temporarily insert the supplied 1/4"-20 x 1-3/4" bolts into the pre-drilled holes and secure with nuts to prevent the flashing from shifting when driving the self-drilling screws.

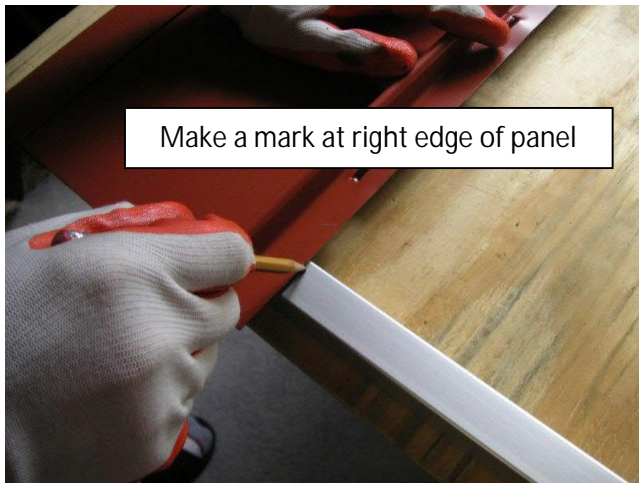
Optional for large awnings: See "Large Awning Assembly and Installation" on the last page.



**STEP 5.** Insert the left-end panel all the way into the left flashing as shown.

Make a mark at the right edge of the left-end panel.

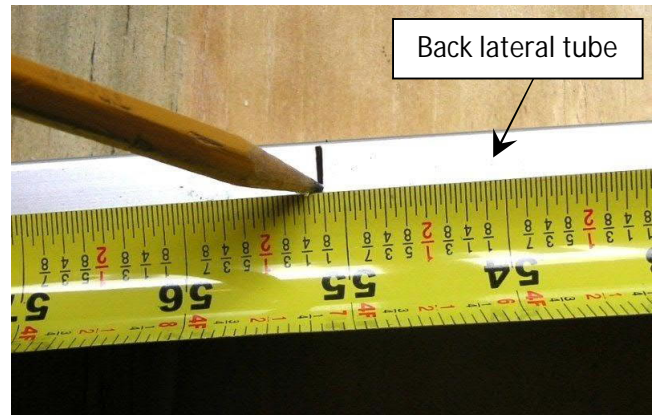
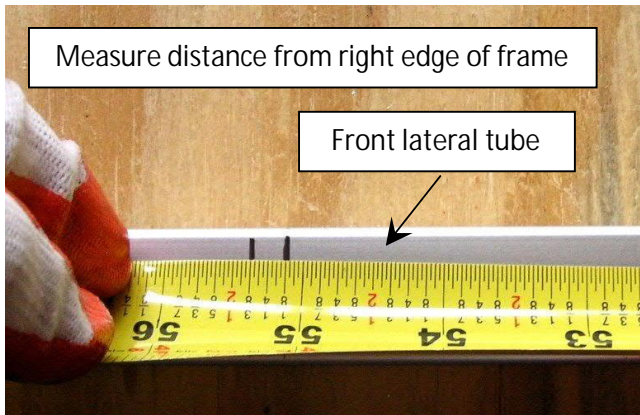
Remove the left-end panel and make another mark 1/4" to the right of the first mark.



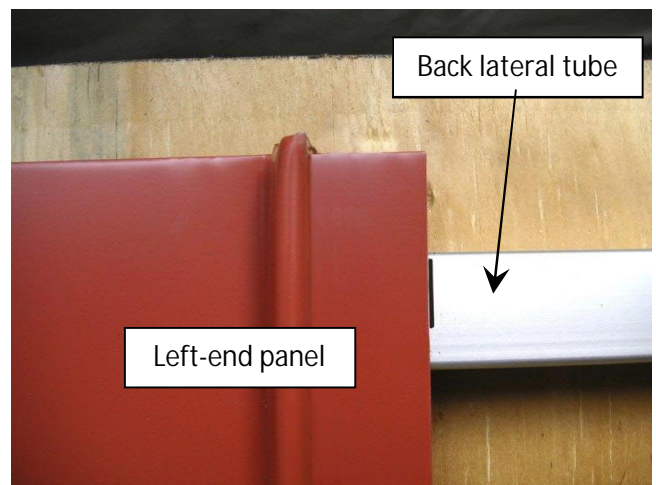
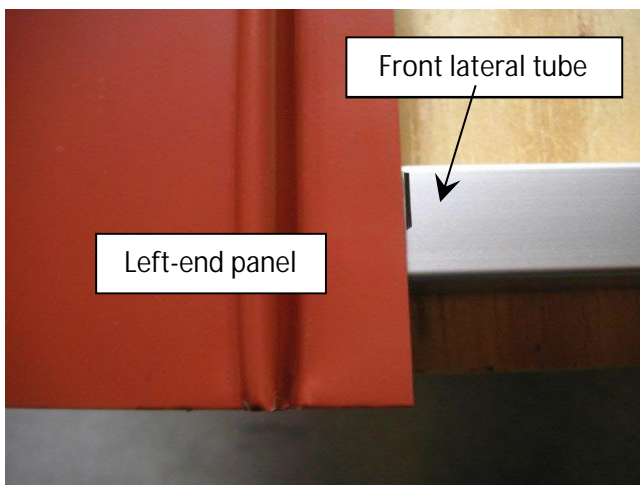


Measure the distance from the right edge of the frame to the last mark. In this example, it's 55-1/8".

On the back lateral tube (opposite side of the frame), make a mark at the same distance from the right edge of the frame.

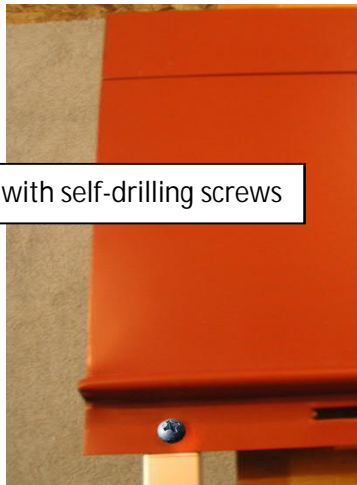


**STEP 6.** Re-insert the left-end panel into the left flashing and align its right edge with the last two marks on the front and back lateral tubes. Align the front edge of the panel with the left flashing.



Clamping the left-end panel to the frame will help prevent its movement during attachment. Absent clamps, you may want to drill a pilot hole before driving the self-drilling screws.

Secure the panel to all intersecting lateral tubes with self-drilling screws.

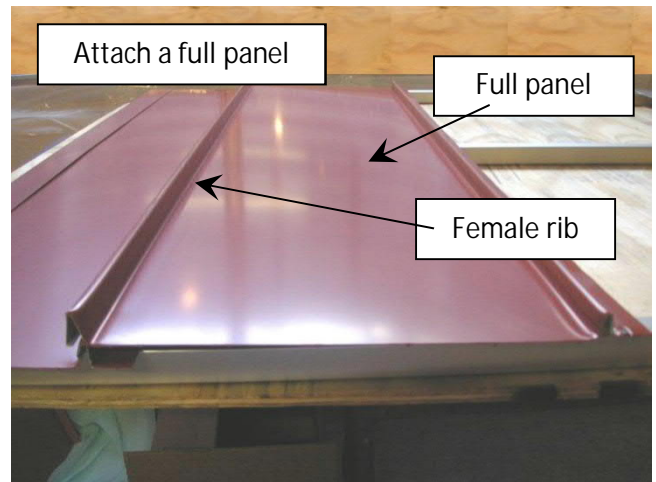


**STEP 7.** Attach a full panel to the left-end panel by placing its female rib over the male rib of the left-end panel and pressing it down until the ribs lock together.

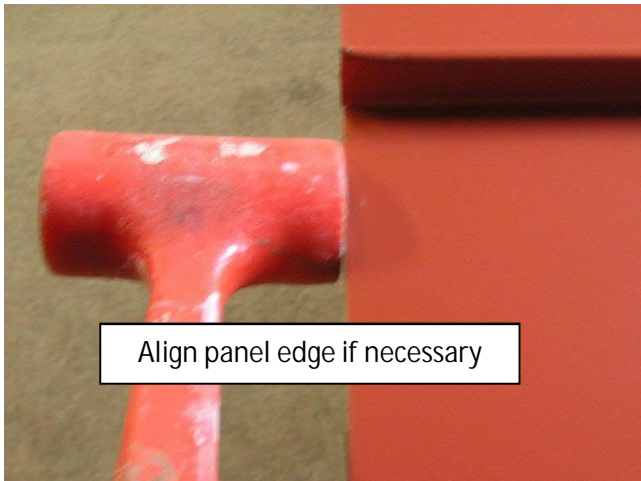
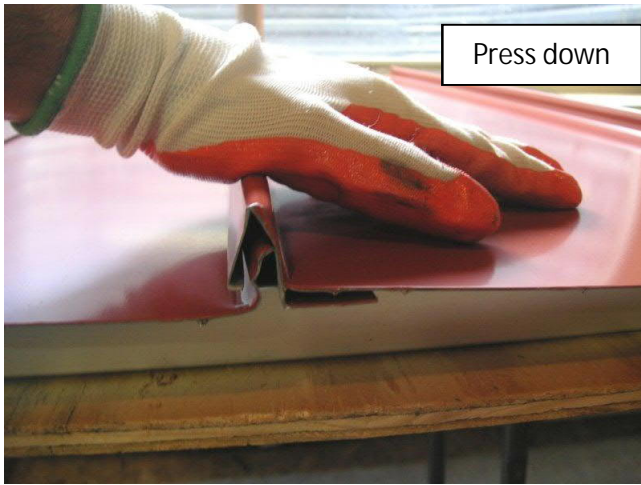
Use a ruler or a wood plank with a straight edge to make sure that the panel aligns with both left and right flashings.

Use a mallet to align the panel edge if necessary.

Secure the full panel to all intersecting lateral tubes with self-drilling screws.





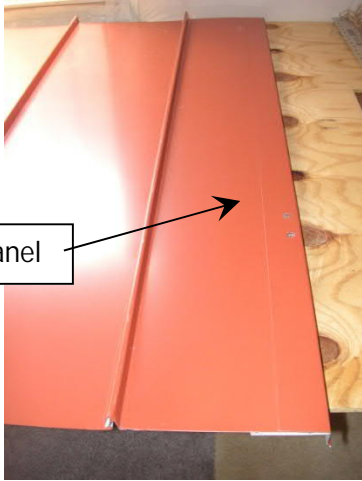


**STEP 8.** Install and secure with self-drilling screws all remaining full panels while making sure that they align with both left and right flashings.



**STEP 9.** Insert the right-end panel into the right flashing and lock it onto the adjacent full panel.

Insert and lock right-end panel



**STEP 10.** Using the pre-drilled holes in the left and right flashings as guides, drill through holes with a 1/4" drill bit. Be careful to keep the drill straight.

**STEP 10A.** Large awnings with middle rafters: Turn the awning over and drill holes through the awning panels using the pre-drilled holes in the middle rafters as guides.

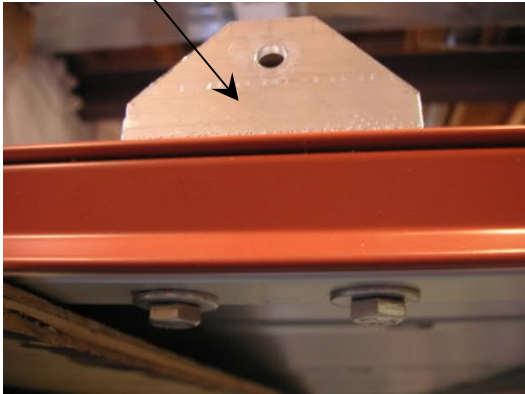
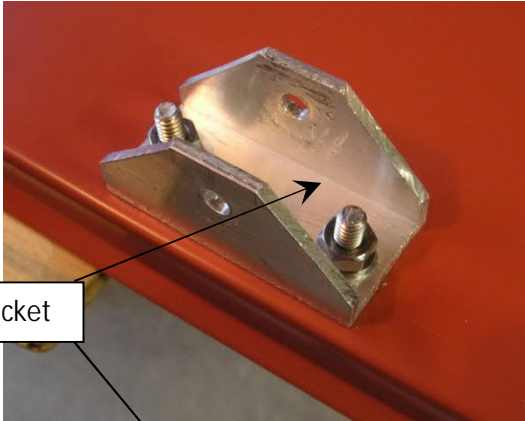
Drill through holes, apply caulk around holes



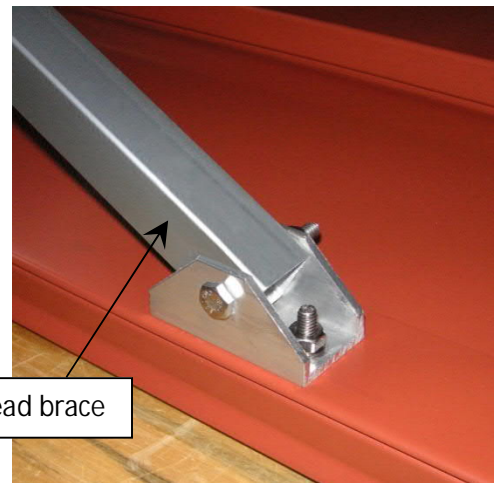
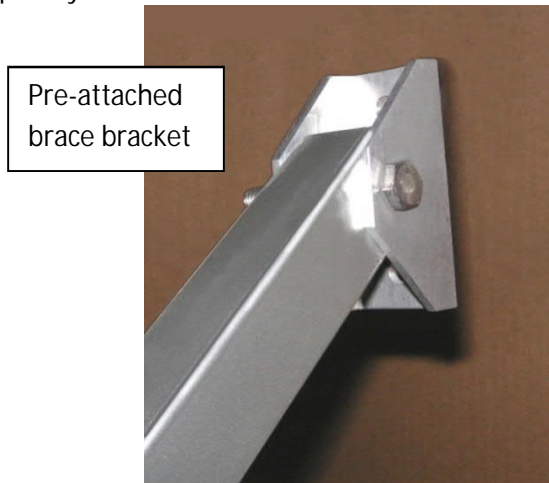
**STEP 11.** To prevent leaks through bolt holes, apply a bead of silicone caulk for use on metals around the holes drilled in Step 10. Attach overhead brace brackets using 1/4"-20 x 1-3/4" bolts with nuts, split lock washers and flat washers. Install the lock washers under the nuts, the flat washers under the bolt heads.



Brace bracket



**STEP 12.** Attach overhead braces (with brackets pre-attached to the other end) using 1/4"-20 x 1-3/4" bolts with nuts and split lock washers. Do not tighten the nuts completely.



Large awnings with middle rafters: Do not attach middle braces at this point.

Assembly completed.

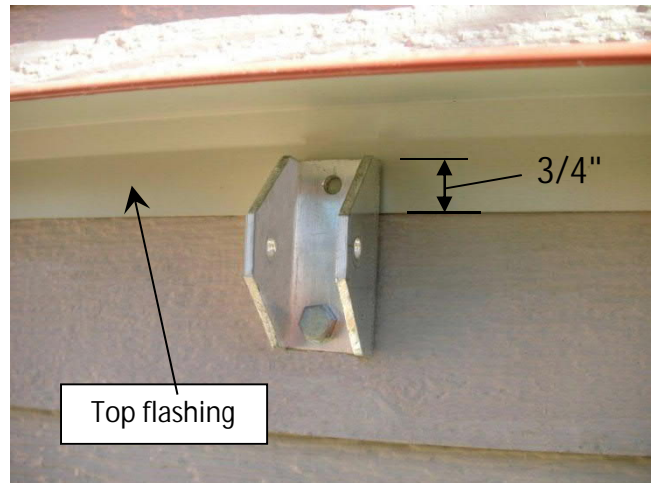
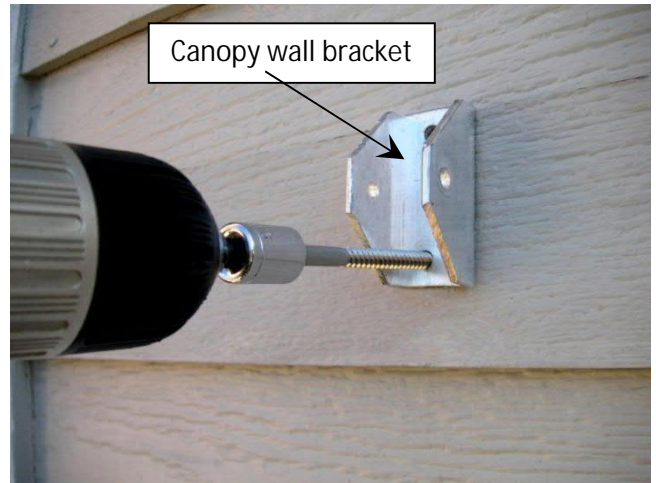




# Installation Instructions

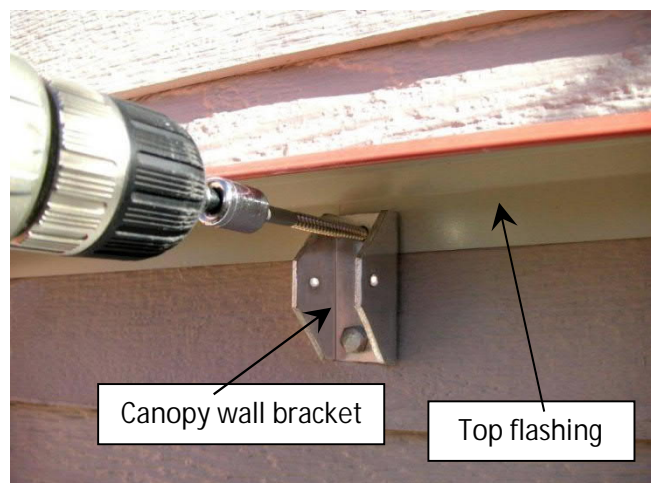
**STEP 1.** Mark locations for the canopy wall brackets, drill appropriate pilot holes and install the canopy wall brackets using fasteners appropriate for your siding and wall construction. Make sure that the fasteners are properly engaged with structural framing, such as wall studs. If you are not certain about the use of fasteners, consult with or hire a qualified professional. Use only the lower fastener at this point. Do not tighten completely.

**Note:** Your awning may come with alternative canopy wall brackets shown below.



**STEP 2.** Insert the top flashing behind the canopy wall brackets and lower it by approximately 3/4" below the top of the brackets.

Level the top flashing and secure the canopy wall brackets and the top flashing with a second fastener as shown. Again, make sure that you use fasteners appropriate for your siding and wall construction and that the fasteners are properly engaged with structural framing, such as wall studs. Tighten all canopy wall bracket fasteners.

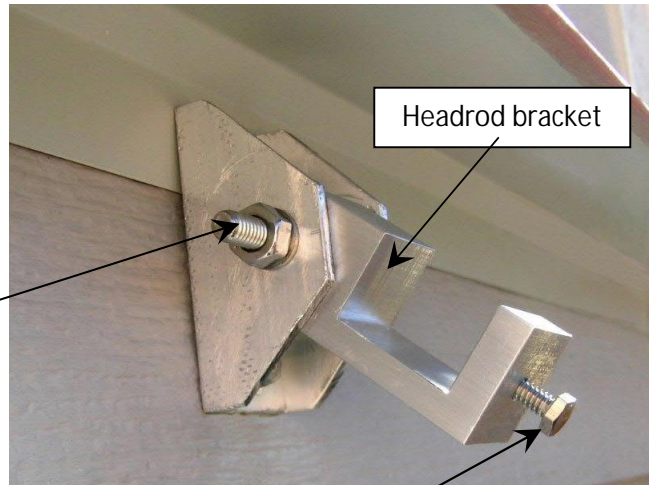


**STEP 3.** Seal the top flashing against the wall with an appropriate sealant, such as an exterior grade silicone caulk.



**STEP 4.** Attach headrod brackets to canopy wall brackets using 1/4"-20 x 1-3/4" bolts with lock nuts. Do not tighten the nuts completely.

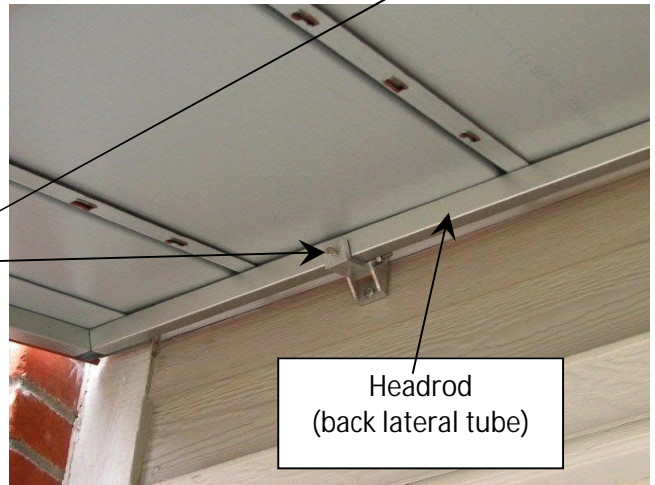
Bolt with nut and lock washer



**STEP 5.** Mount the awning by inserting the headrod (back lateral tube) into the headrod bracket slots.

Tighten the headrod bracket screws tightly, to make sure the headrod is firmly secured in the headrod brackets.

Headrod bracket screw



**STEP 6.** Position the awning at your desired slope (5°-10° or 1"-2" per foot, or a greater slope if desired). Depending on the awning weight, you may need to use a temporary support structure to maintain the awning in this position. Make sure that the temporary support is stable. Mark locations of the top brace bracket holes.



Mark top brace bracket holes

**STEP 6A.** Large awnings with middle rafters: Note the approximate brace angle relative to the wall, e.g. 45 degrees.

**STEP 7.** Detach top brace brackets from the braces. Drill appropriate pilot holes and secure the brackets to the wall using fasteners appropriate for your siding and wall construction. Make sure that the fasteners are properly engaged with structural framing, such as wall studs. If you are not certain about the use of fasteners, consult with or hire a qualified professional.

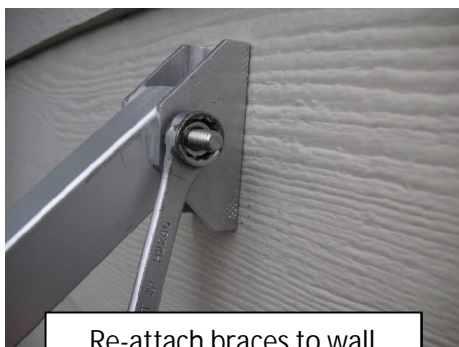


Secure each bracket to wall with two fasteners

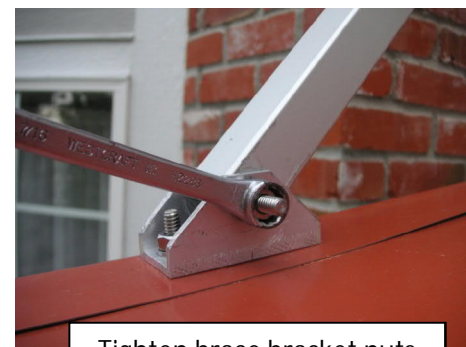
**STEP 7A.** Large awnings with middle rafters only: Mark holes for middle brace brackets and secure middle brace brackets to the wall in the same manner. Attach middle braces to the wall brackets, position the braces at the angle noted in Step 6A. Tighten the brace bracket nuts as shown in Step 8 below.

**STEP 8.** Re-attach the braces to the wall brackets. Tighten all the brace bracket nuts at the wall and at the canopy.

**STEP 8A.** Large awnings with middle rafters only: Attach middle braces to the brackets at the canopy and tighten brace bracket nuts.



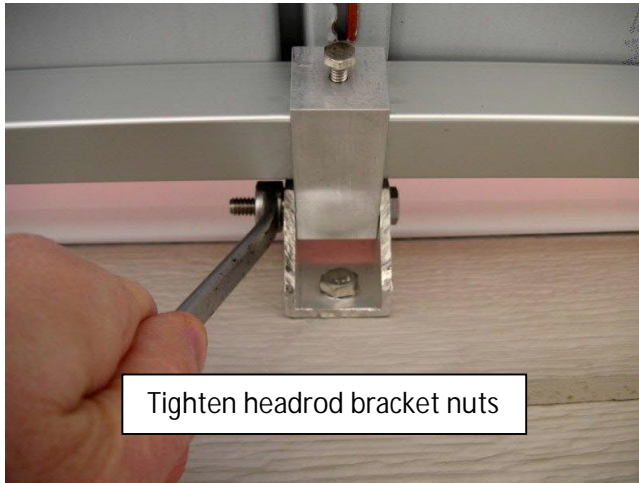
Re-attach braces to wall brackets, tighten nuts



Tighten brace bracket nuts at the canopy



STEP 9. Tighten the headrod bracket nuts.



Installation completed.



## Large Awning Assembly and Installation

To assemble and install a large and heavy awning, it may be advisable to install the roof panels after the awning frame is mounted on the wall, using the following procedure:

- Assemble the awning frame, install left and right flashings, left end panel, end brace brackets and braces (assembly steps 1-6, 10, 11, 12).
- Mount the frame on the wall (installation steps 1-7).
- Bring the frame into a convenient position for the installation of roof panels, use a temporary support structure if necessary to support the frame.
- Install the roof panels and brackets for middle braces (assembly steps 7-9, 10A, 11).
- Install middle brace wall brackets, attach all the braces to brackets, tighten all nuts (installation steps 7A, 8, 8A, 9).