

# SUNHAVEN ALUMINUM PRODUCTS

## "W" PAN PATIO COVER INSTALLATION INSTRUCTIONS

IT IS IMPORTANT TO FAMILIARIZE YOURSELF WITH PATIO COVER COMPONENTS BEFORE YOU START.

FRONT AND BACK FASCIA-The outer frame and gutter system of the awning. Two piece hanging rail may be substituted for back fascia.



SIDE FASCIA-Part of the outer frame of the awning.



ROOF PAN-12" wide-interlocking.



SCREW, LAG AND WASHER-Self drilling hex head screw- 2" x #14 lag.



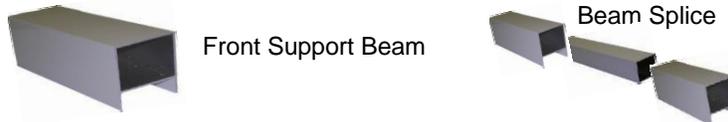
AWNING CORNER-4 Needed



FLASHING-Flat aluminum with 1" lip used to allow for an overhang on awning to seal between home and rear of awning.



FRONT SUPPORT BEAM-Special extruded tubing used to allow for an overhang on awning and mounting beam for post.



BEFORE YOU START INSTALLATION, DETERMINE IF YOU NEED TO BUILD THE PATIO COVER IN THE AIR OR ON THE GROUND AND LIFT INTO PLACE.

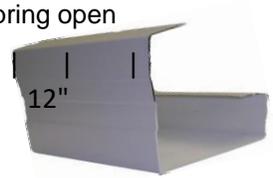
IN AIR INSTALLATION:

1) Determine if a fascia splice needs to be installed, most patio cover's under 20' in width will come with (1) piece fascia for front and back. Fascia splice requires four screws on each side of front fascia and two on inside of each fascia. CAULK TO PREVENT LEAKING.



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2) Place a mark 12" on center of the top lip of the front and back "G" fascia. "W" pans spring open when they are manufactured. This will help keep them in line and on center.



3) Determine rear fascia installation location. If rear fascia cannot be secured into a wall place, locate wall studs or trust raftertails. Lags should be installed at least 24" on center. Pre-drill holes in rear fascia using 1/4" drill bit. Drill pilot hole in stud or raftertail with 3/16" bit to prevent wood from splitting. Do not tighten fascia against home until all pans are in place and posts are secured. It will help to have a little play in back fascia, while pans are being installed.



4) Depending on size, set front fascia on 2 or 3 ladders at a distance equal to the length of the side fascia.

5) Place side fascia over end of front fascia and fasten with one screw in top and two screws in bottom. Follow same procedure for back. Caulk front gutter fascia to side fascia using silicone caulk.



6) To locate front support beam measure from edge of home to the outside edge of concrete or post location deduct 2". This will determine location of the outside edge of front support beam. Measure both sides of patio to make sure it is square to home. Secure support beam to side fascia as shown.



**NOTE: MAKE SURE THAT DOORS WILL OPEN UNDER THE BOTTOM OF ROOF PANS BEFORE YOU CUT POST.**

7) Cut post to the desired length. If ornamental columns are used cut off at bottom. Install end post in front support beam with four hex head screws. Plumb each post on the slab and mark around it with pencil. Move post to the side and place post foot in location mark home and drill with 3/8" masonry bit. Be careful not to oversize the hole. Install 3/8" concrete anchor and post foot. Slide post in post foot and secure with two hex head screws. **DO NOT FORGET SCREWS.**

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Install remaining post equally space.



8) Install awning pan with the box end (female) against fascia, this allows for easy locking of additional pans. Slide the pans to the rear so the pre-punched holes line up with the lower lip of the fascia. Secure first pan to side fascia top lip with hex head screws, approximately 12". (Last pan will be secure in same way)

9) Install the additional pans, holding them at 90 degree angle to top adjacent pan, locking them together.

(NOTE; "W" PANS HAVE A TENDENCY TO SPRING OPEN WHEN THEY ARE MANUFACTURED).

It is easier to keep them on 12" centers if you lock 3 or 4 pans together and bunch them to the center mark. After laying them down, slide pan back and forth slightly. If it will not slide, check to see if pan is properly locked. Secure pans permanently as outlined in diagram.

A) Place screws through the upper fascia lip and through the pan interlock.

B) Place two screws through holes provided in the flat part of the pan and lower lip of the fascia. Repeat A & B for back side of awning.

C) Place one screws through each flat part of pan. Screw through pan and into front support beam. To install the last 3 pans remove the top screw from top center of front and back fascia. Install pans and replace screws.



10) Install front corner angle. Caulk and secure with (2) screws on each side.

11) Locate down spout position on bottom of fascia. Downspout should be located in front or on the side of post. Cut 1 1/2" x 1 1/2" hole in bottom of fascia. Secure outlet on fascia, install elbows and downspouts. Secure downspout to post with straps provided.



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12) Install flashing. There are (3) common applications for flashing installations.

A) Screw flashing to side of home or fascia board. Caulk back side of lip and secure.

B) Put lip of flashing under drip edge of roof.

C) Cut off lip of flashing and slide under shingles.

In all cases where flashing is used, secure flashing to top of the awning pan interlock. By installing a screw down through flashing into the interlock of each pan. Caulk screw heads.

NOTE: DON'T FORGET TO TIGHTEN 3" LAGS IN REAR FASCIA.

