

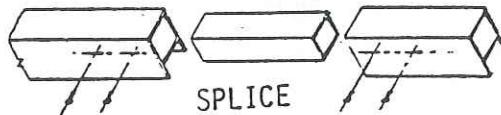
# SUN HAVEN ALUMINUM PRODUCTS

## FLAT PAN AWNING INSTRUCTIONS

- 1) Flat pan patio covers come standard with gutter fascia, front and back, and "C" fascia on sides. The front and back fascia will have a J-channel pre-installed to adapt fascia for flat pan use. Front and back fascia may need to be spliced before installation can be started.
- 2) Fascia splice requires four screws on each side of front fascia and two side of fascia. Caulk splice to prevent leaking before screws are installed.



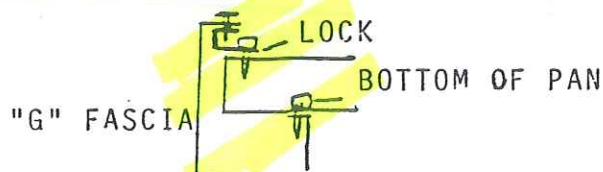
- 3) Locate studs of home and mark above or below where lags will be installed.
- 4) Install rear fascia, with corners attached, on home using 3" x #14 lags with fender washers. Holes will have to be drilled thru fascia and in stud with 3/16" drill. If fascia is going on fascia board of home, locate rafter ends to lag in awning fascia.
- 5) Determine where post will be located and their height. Normally you will like to have 1/2" of fall per foot.
- 6) Front support beam splice requires two screws on each side.



**NOTE;** If fascia or front support beam needs to be spliced to obtain width. Join with splices provided by placing splice into each section equally and secure with hex head screws.

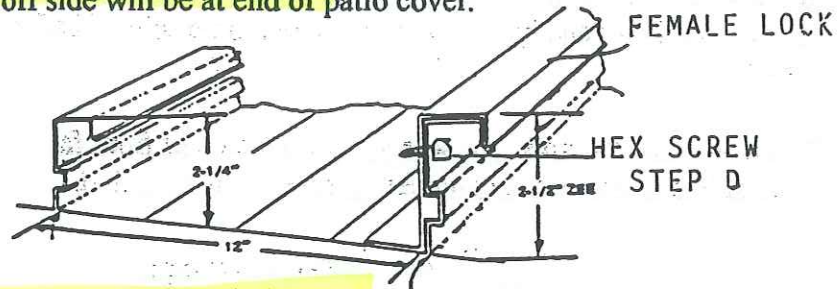
- 7) Secure support beam to top of post. Raise post in place and square beam to fascia. Level post and temporarily install a few awning pans to keep post in place. When installing pan there are several things you must do.

A) Pans must install in fascia. See drawing;



CONTINUED PAGE # 2

B) When installing pans, start with pan labeled STARTER PAN it will have the female lock cut off. Cut off side will be at end of patio cover.



C) Install 3 screws per pan into support beam.

D) Screw pans together approximately every 48" as shown in drawing. Step #9.

8) If you have not done so, secure your post to the ground using concrete anchor supplied. Plumb each post and mark around it with pencil. Move the post to side and place post foot in location so hole can be marked and drilled with 3/8" masonry bit. Install 3/8" masonry bit anchor and post foot. Slide post in post foot and secure with two hex head screws.

**NOTE: YOU WILL USE 10 HEX HEAD SCREWS PER AWNING PAN. PLUS THE ONES TO SCREW LOCKS TOGETHER.**

9) Install side fascia and front fascia. Caulk corners.

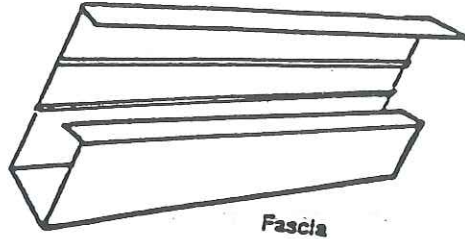
10) Install 2 hex head screws evenly space through the side fascia and into the awning pan next to the fascia. Do this on both sides.

11) Locate down spout position in front of awning post. Cut 1 1/2" x 1 1/2" hole in bottom of fascia. Install outlet on fascia. Install elbows and downspouts. Secure to posts with 2 straps.

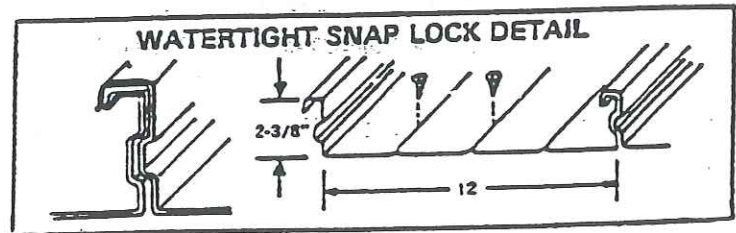
12) Install flashing to top of awning, slide flashing under shingles or screw to home and caulk.

**EXPLANATION OF COMPONENTS:**

**FRONT AND BACK FASCIA-** The outer frame and gutter system of the awning.



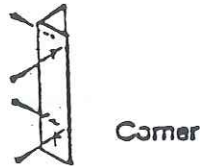
**ROOF PAN- 12" wide-interlocking**



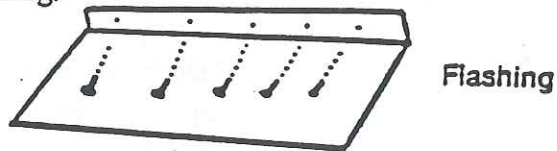
**SCREW, LAG & WASHER-** Self drilling hex head screw - 2" x #14 lag



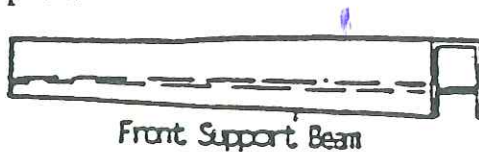
**AWNING CORNER-4 needed**



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



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



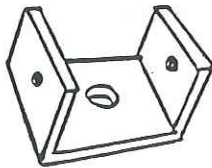
EXPLANATION OF COMPONENTS:

- POSTS- Standard post 1 1/2 x 1 1/2 x 9' extruded tubing  
Flat ornamental post (2) standards and (3) "S" scrolls  
Corner ornamental post (3) standards and (6) "S" scrolls



Ornamental Column

POST FOOT AND CONCRETE ANCHOR- for anchoring posts.



Post Foot



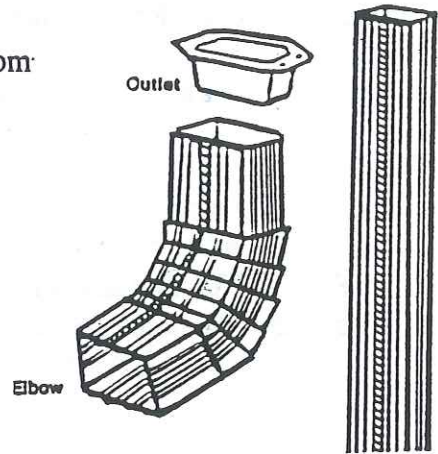
Concrete Anchor

DOWN SPOUT, ELBOW AND OUTLET- To carry water from fascia to ground.

TOOLS NEEDED:

- 3/8" drill
- Drive anchor
- 1/4" hex head socket
- Ratchet
- 7/16" socket
- 6' extension
- 7/64" drill bit

- 3/16" drill bit
- 3/8" masonry bit
- Extension cord
- Carpenter level
- Carpenter square
- Tape measure
- 2 - 6' step ladder



Elbow

Outlet