

COLUMN TO FOOTING DETAIL

ATTACHED, 3" COL. POURED FOOTING, SLAB



COLUMN TO FOOTING DETAIL FREE STANDING, SQ COL, POURED FOOTING, SLAB



COLUMN TO FOOTING DETAIL



COLUMN TO FASCIA CONNECTION 3" SQ COLUMN & R.F. FASCIA



CAUTION: SERIOUS INJURY OR DAMAGE COULD RESULT DUE TO WIND GUSTS DURING AND AFTER INSTALLATION IF: 1)COLUMNS AND BRACKETS ARE NOT SECURED TO EACH OTHER WITH APPROVED BOLTS, SCREWS, ETC. 2)IF COLUMNS OR COLUMN BRACKETS ARE NOT SECURED AT TOP TO THE BEAMS OR GUTTER FASCIA AND AT THE BOTTOM TO APPROVED CONCRETE SLABS, FOOTINGS, DECKS, ETC.



BEFORE INSTALLATION, READ ALL INSTRUCTIONS AND WARNINGS CAREFULLY

For Full Installation Instructions or installation instructions on other style canopies consult www.TURNSTILES.us main office.

Step 1: Attach Column Brackets To Fascia (Fig. 1)

- A. Refer to Superior-Mason Engineering Booklet to determine column bracket locations on fascia.
- B. Using column bracket as a template, drill fascia for installation screws.
- C. Apply "Gutterseal" around holes in column brackets and attach brackets to fascia as shown in Fig. 1. Fig. 1

SCREWS (P425A) W/NUTS (P426) AND WASHERS (P427). 4 REQUIRED.

 $\frac{1}{4}$ "—20 HEX D. MACHINE





Step 2. Drain installation (Fig. 2)

Note minimum of 3 drain caps to be installed in fascia at lower end of slope, one in center and two at 12" from either end. Use one drain cap per 100 sq ft of canopy.

- A. At the appropriate locations in the gutter, cut 2"x 6" holes in the gutter bottom.
- B. Using drain cap as a template, drill holes in gutter around drain holes

C. Apply gutter seal as shown in Fig. 2 and attach using sheet metal screws.

SEALANT

Fig. 3

Step 3. Corner assembly (Fig. 3)

- A. Attach corners at both ends to one piece of fascia running the width of the canopy. Attach one corner on each end of the fascia by inserting fascia into corner until it stops against tab.
- B. Measure fascia length with corners and verify that over all size of fascia is correct length. Slight corrections can be made by sliding fascia out from
- tab, or by bending tab in and sliding fascia past tabC. Once proper size is established, mark corner position, and remove fascia from corners.
- D. Apply two (2) liberal beads of "Gutterseal" 1" apart and 1" from end corner to all three inside corner surfaces and reinsert fascia to correct position.
- E. Use #10 3/8" S.M. screws to fasten corners to fascia.
- F. Repeat steps 3A through 3E for opposite fascia, running the width of the canopy.



Step 4. Dig Footing holes

Refer to local building inspector and building codes for proper footing size and shape.

Step 5: Erecting Gutter Frame

- A. Attach posts to each mounted post bracket on both pieces of fascia running the width of canopy.
- B. Lift one fascia and post combination into place and stabilize using fascia jacks or other bracing.
- C. Lift second section of fascia and post into place in footing holes and stabilize using fascia jacks or other bracing.
- D. Attach fascia running the projection of canopy to section by inserting fascia into corner until it stops at raised tab.
- E. Repeat Step 5D with final piece of projection fascia.
- F. Once Step 5E is complete, you will have the frame of the canopy in place. Measure the projection size of the canopy across each side and across the middle (adjust fascia as needed).
- G. Once the desired projection is achieved, follow Steps 3C through 3E attaching and sealing projection fascia to corners.
- H. At each column, support unit with bracing and adjust column and bracing to obtain desired slope.
- I. Check unit for squareness from corner to corner and adjust as needed.
- J. Pour concrete footings and allow to set.

Important: All bracing should be left in position for 24 hours to allow concrete time to set. Otherwise settling may occur which would change the desired slope.



Step 6: Roof Panel installation

- A. Install roof panels as shown in Fig.5.
- B. Using the following procedure (Fig. 6):

(1) Attach panel to fascia with $#10 \ge 3/8$ " SM screws making sure each roof panel installed is exactly 16" from center to center. (It is helpful to mark the top of the width fascias at four foot intervals and line up every third panel with these marks)

(2) After all roof panels are installed, install the fastener bar with $#10 \ge 3/8"$ SM screws through fastener bar and each roof panel interlock.



DEFINITION OF TERMS:

It is very important for the dealer, his salesmen, and his installation crewmen to understand the definition of terms used as a basis for the load and span.

- 1. **Live Load** is the vertical downward load superimposed by the use or occupancy of the structure, and is expressed in pounds per square foot (psf). It includes normal construction loads that are well distributed. Where the snow load is greater than 20 psf for roofs in general or greater than 10 psf for a patio structure roof, the load is substituted for the live load.
- 2. **Span** is the term used to indicate the unsupported length of a member such as a panel, fascia, or beam, and is measured from the center of support.
- 3. **Projection** is used to indicate the overall dimension of the unit in the direction in which the roof panels run.
- 4. **Overhang** is the unsupported portion of the pans, fascia, or beam which is outside the column support.



www.TURNSTILES.us | patrick.mcallister@TURNSTILES.us | 303-670-1099