



## **Basic Guidelines for Installation of the Insulated Patio Cover**

### **Basic list of tools that may be required:**

(same as other, but add the following:)

Adjustable jack stands, 10' – 12' high, or whatever height may be needed for your particular cover.

The insulated patio cover comes in various thicknesses. Regardless of the thickness of the panel, the installation process is basically the same.

Do not drag or jam the panels while moving or storing them. Always use two people while handling panels.

The basic steps are as follows. You can modify them to fit your individual needs.

1. Measure the intended area you wish to cover.
2. Determine your starting point (left or right side), after measuring across the width of the house or building that you will be attaching the cover to.
3. Measure up against the house from the slab (on both the right and left side) to the height you wish to attach the hanging channel. Make sure these marks are identical in height (take into consideration any slope in the slab or the house wall).
4. Snap a chalk line between both of the marks.
5. Measure from these marks (on the slab) out to the measurement from the house (the projection) and do the same measurements on both sides of the projection of the slab, insuring that you compensate for a minimum of  $\frac{1}{2}$ " per foot of pitch to allow for proper water drainage. Also compensate for any slope in the slab. Make sure you snap the line at least 4" from the end of the slab, so you do not attach the posts too close to the edge, or the slab may crack. (If you are installing a set back beam, the 3" x 8", you may set back the posts as the engineering prints

- specify). Remember, use the correct table on the prints to determine “tributary width”, so you know where to eventually place the column posts.
6. Seal the back side of the hanging channel generously with the sealant provided.
  7. Install the flashing provided just above the hanging channel. Make sure you use the sealant provided between the house wall and the flashing material. Use generously.
  8. Place the hanging channel on the wall (or rafter) where the chalk line is and attach, using the lags????? provided, into the studs on the house. Do it in a “V” fashion, to make room for the roof panels later on. Be sure not to over-tighten the lags into the studs.
  9. Determine your column spacing by using the engineering prints and the pre-determined “tributary width”, and mark where you intend to place your posts.
  10. Assemble the posts to the 3” x 8” header beam (or the gutter if you are not using a header beam/set back beam). Assemble these on the slab. Make sure you have a tarp or some type of cover, such as cardboard, so the metal will not be scratched.
  11. Raise the assembled posts and the header/gutter as one unit, and hold that unit in place by using the jack stands.
  12. Drill the holes on the attaching brackets into the concrete using a masonry bit.
  13. Insert the lag bolts into the brackets and screw them down. **(with what?)** Caution: Do not over-tighten.
  14. Determine which side to start placing the roof panels and begin sliding the panels together, using one of the methods described in this guideline (like a shoe horn, installing them under the flashing) sealing each panel at the top of the seam between the panels and the front and rear of each panel as you install them. Insert the panels into the gutter.
  15. Screw each panel to the hanging channel and the front header/gutter. **(with what screws?)**
  16. Attach the side fascia to each side of the finished panels, allowing for a clean miter or to allow for butting the facials to the gutter. Make sure you insert the gutter plugs, if supplied and/or seal the ends so water will not leak. **Screws??**
  17. Attach the corner caps to the corners where they come together.

## Options

- A. Install the side plates to the column posts (**need details**).
- B. Insert the plugs. Use a small bit of sealant on each plug to keep them secure in case of heavy winds, or in case something butts up against the post and makes the plugs pop out.
- C. Install the trim package (the 2" x 6" hollow material) to the gutter (**need details**)
- D. Install both side fascias (or gutter material) and butt them up to the front gutter. (**need details**).
- E. Install the rafter tails. (**need details**)
- F. Use the touch up paint to cover any unsightly surfaces.
- G. Check your work
- H. Enjoy your new insulated patio!