Before you start:

- Read these instructions very carefully before proceeding with any of the steps.
- Familiarize yourself with the various components. (fig 1)
- Check the contents of your package for all the parts.
- Ensure you have the right tools to complete project.
  1) Drill or screwgun
  2) 5/16 hex head bit
  3) Hacksaw or mitre saw
  4) 2 inch holesaw
  5) Level
  6) Tape measure
  7) Pencil
  8) Caulking gun
  9) Stepladder

Step 1 location

Determine the location that the patio cover will attach to the building. If required, cut and remove existing gutter and cap ends. Make sure that the water will be able to drain off the remaining down pipes.

Step 2 Finding frame stud

When attaching the rear facia hanger to the building it is important that the screws go into a minimum of 2 inches of solid wood, preferably the building’s studs or truss (every 16 inches recommended). Make marks on the wood for attaching the facia hanger later.

Step 3 Determine the position of your posts

Posts should be spaced along the width of the canopy at a maximum of 10 feet (check your local snow load). Height of these posts will be determined by the height of the cover where it attaches to the building. To allow for water drainage, the posts should be shortened 1/2 inch per foot that the cover projects out from the building (fig 2). Take into account that the frame may need to slope towards the downspout if your deck or the ground is level.
*Note: I-Beam sits 2½ inches below the side facia. (fig 2)*

After cutting the posts to the required length, you can then fasten the postshoes to one side (fig 3). You now can attach the postshoes to the I-Beam (fig 4) in the location you had determined.

**Step 4 Frame preparation**

- **IMPORTANT!** In preparation for installing the roof panels, mark the gutter and hanger every 24 inches (fig 5).
- Determine the location of your downspout, preferably adjacent to the post. Using your 2 inch holesaw, make a hole in your gutter (fig 6).
- Apply a bead of caulking to each end of the gutter and then slide the foam plug into the end of the gutter until it sits flush to the outer edge (fig 7).

**Step 5 Building the frame**

Working on the deck or ground, attach the right and left side plates to the back of the facia hanger and front gutter using the screws provided. Screw the 1 inch corner on the end of the side facia. (fig 8)

**Step 6 Squaring the frame**

Install the first panel tightly to the right side of the roof. You will need to back out the screw from the hanger to the side facia and then re-fasten it when the panel is in place. Measure the roof diagonally, corner to corner to check squareness and adjust the frame accordingly (fig 8). Fasten the panel into place with the screws provided (fig 9). Repeat the same step on the opposite end of the cover. **Keep the direction of the pans consistent.** After determining the location of the I-Beam, place it under the two v-panels and secure them with 3 screws each (fig 2, 9).
Step 7 Attaching the frame

Have one person lifting the hanger side and one person lifting the I-Beam side. Place two 2 inch screws about 4-6 feet in, on either end of the hanger rail (fig 11). Now place the stepladder temporarily under the center of the I-Beam. You can now put the 3”x3” posts, cut earlier, in place (fig 11). Apply caulking to the back of the hanger rail. **This is a very important step to prevent leaking (fig 11).**

**Important:** Be sure to check that the hanger rail is completely screwed on the wood.
- Check at this time to see if the slope of the cover is sufficient for proper drainage, both away from the building and along the front gutter to ensure the slope is in the direction of the down pipe. If it is not, shortening the post(s) can increase the slope. Level posts in both directions and fasten to the ground or deck with the 2 inch screws provided. At this time, you may want to install your down pipe along the post to the front gutter.

Step 8 Installing roof panels

Working from the right or left hand side of your cover on a step ladder, begin to install the remainder of the pans. Standing your second pan on its side, hook its “male” section into that of the first pan’s “female” section and rotate it flat, thus locking the two pans together (fig 13). Slide pan back firmly against hanger and secure with screws provided. Screw approximately 1 inch away from hanger so the screw does not appear underneath the cover. Repeat procedure for the remainder of pans. (fig 12)

The last pan will have to be compressed and tapped into the locking system.
**NOTE:** It is important that you make periodic checks on the marks on hanger and gutter to make sure the pans are squared and evenly in place. Screw Gutter support clip to gutter and V-Pan or T-Bar approximately every 6 feet (fig 9).
Step 9 Installation of skylight (optional)

Secure one T-Bar on hanger, beam, and gutter. **DO NOT** peel the paper off the tape. Place another T-3ar approximately 30 inches away, so after you place the skylight on one side you can reach and slide the second one over. Once the skylight is in position, push it up and peel off the paper. Remember to install the skylight stopper on gutter side of the cover. (fg 10)

**Congratulations!**

You have now completed installing your very own patio cover. Enjoy!