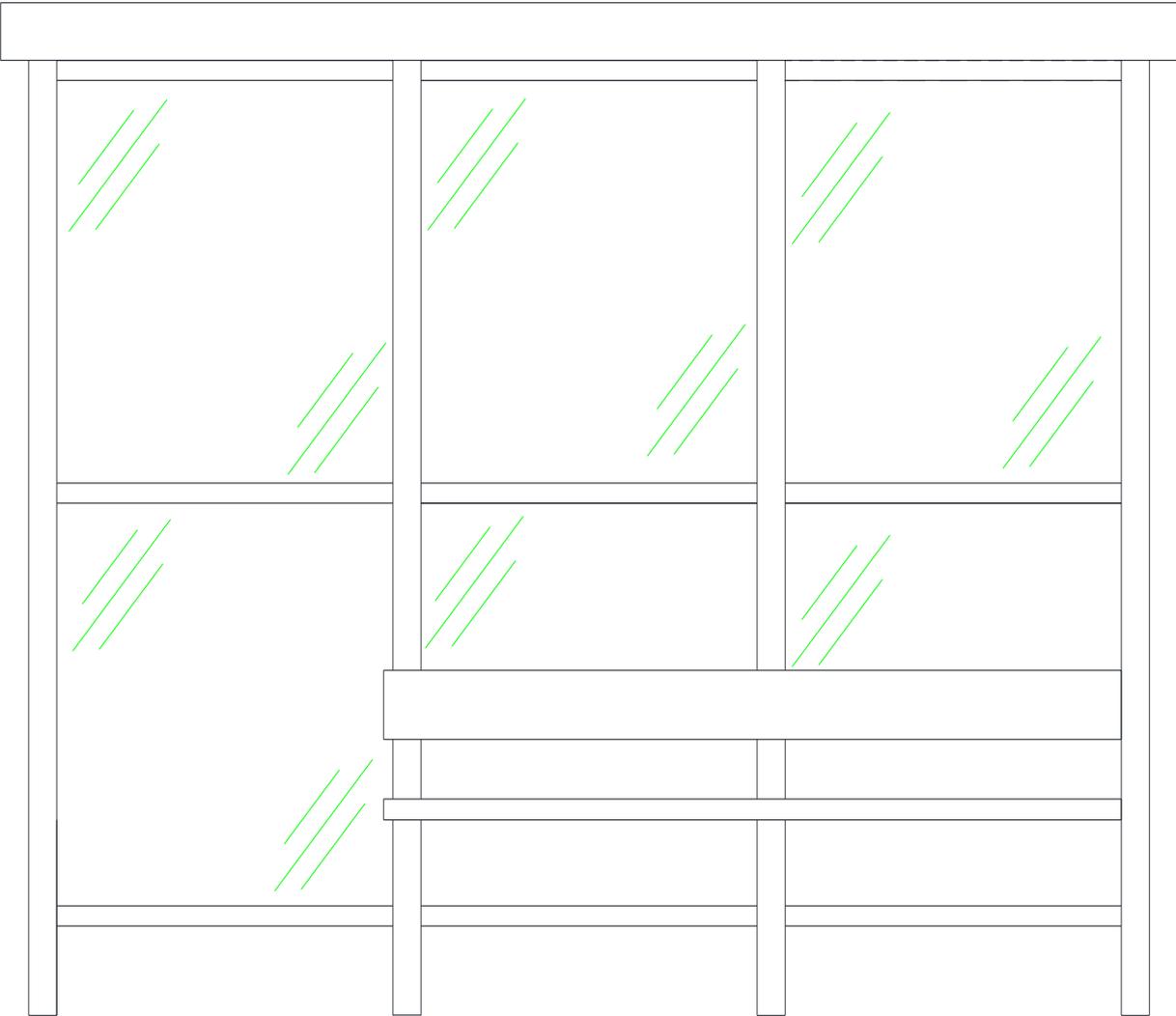


---

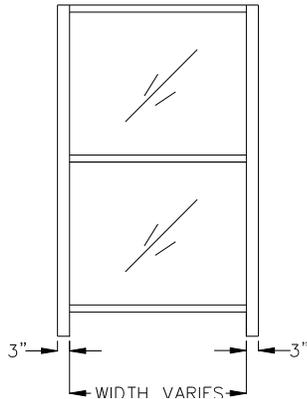
---

# Installation Instructions

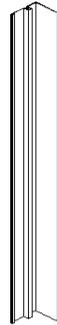
## Prefabricated Shelter



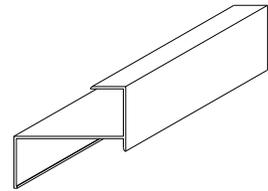
# PARTS IDENTIFICATION



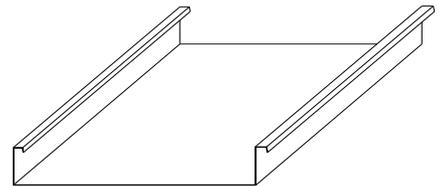
**TYPICAL SHELTER  
VENTED WALL SECTION**



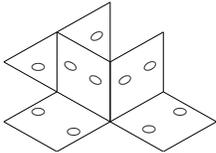
**HALF POST**



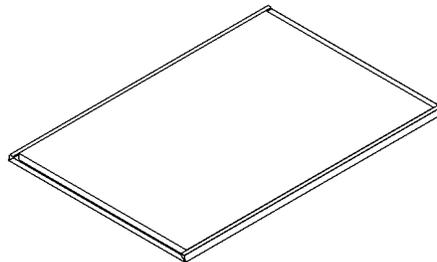
**RECEPTOR**



**ROOF DECK PAN**



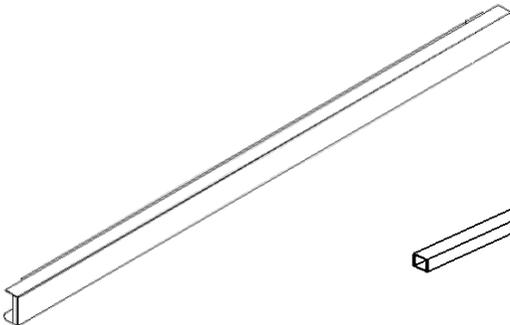
**ANCHORING SHOE**



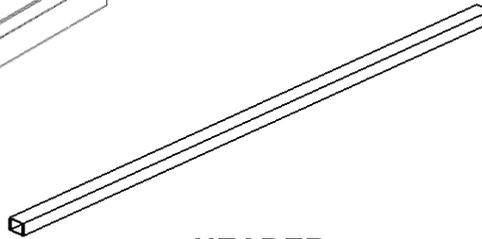
**CEILING PAN**



**WEATHER TAPE**



**FASCIA / GUTTER SYSTEM**



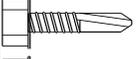
**HEADER**

## **FASTENER IDENTIFICATION**

FOR QUANTITY SEE SHIPPING



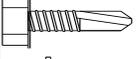
**#10 x 3/4" HEX HEAD SELF DRILLING / TAPPING SCREW (COLOR OF SHELTER)**



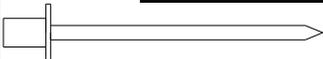
**#10 x 1" HEX HEAD SELF DRILLING / TAPPING SCREW (GALVANIZED)**



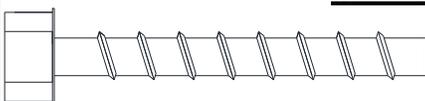
**#10 x 3/4" HEX HEAD SELF DRILLING / TAPPING SCREW W NEOPRENE WASHER**



**#12 x 1-1/4" HEX HEAD SELF DRILLING / TAPPING SCREW (GALVANIZED)**



**3/16" ALUMINUM POP RIVET**



**1/4" x 1 7/8" HILTI KWIK HUS-EZ SCREW ANCHOR**

Unpack all materials and verify quantities to the pack list provided before starting assembly. Consult Customer Service if you have any questions or problems before or during installation or if optional features are not covered in these instructions.

### **Tools Required for Assembly**

- 1.) Rubber mallet
- 2.) Power screw gun with 1/4", 5/16" & 7/16" nut driver bits.
- 3.) Pop rivet gun
- 4.) Power drill with a 3/16" and 1/4" drill bit.
- 5.) 25' tape measure
- 6.) Steel claw hammer
- 7.) Caulk gun (10.3 oz. tube size)
- 8.) Chalk line
- 9.) Rotary hammer / masonry power drill with 1/4" masonry drill bit.
- 10.) Vise grips - C style with wide grip opening and end pads (clamp)
- 11.) 1-1/4" Hole saw

Please read installation instructions thoroughly once prior to beginning installation.

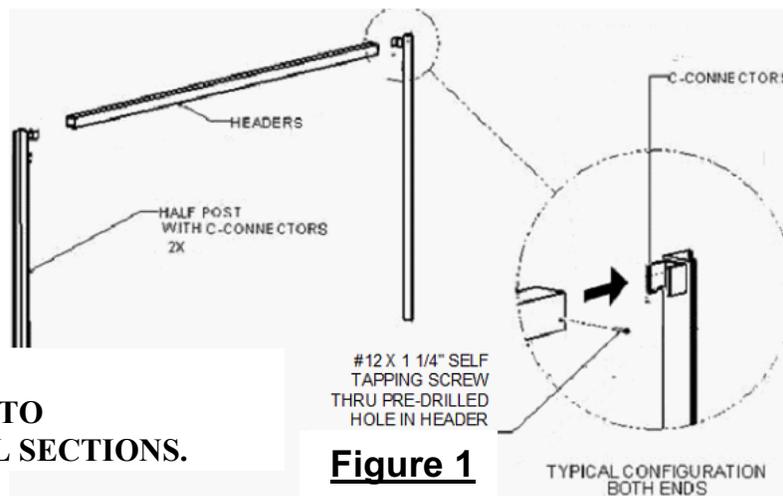
### **STEP 1**

Shelter shall be installed on level flat ground with changes in elevation not to exceed 1/2" over the length of the shelter. We recommend a 6" concrete slab as shown on the layout drawing. Layout shelter out to out dimensions taking care to ensure layout is square.

### **STEP 2**

Unpack the wall sections from the crate.

**See Figure 1** for entrance/exit assembly. Note: C-connectors are pre-installed to half posts. Assure that the bolts are tightened prior to installing header. Attach header (with pre drilled holes toward inside of shelter) to c-connector with (1) #12 x 1-1/4" self-tapping screw thru pre-drilled hole of header (both ends). Both screws tighten thru c-connector inside of header. After (Step 4) receptor is installed, screw an additional (1) #12 x 1-1/4" self-tapping screw above the first screw at each end.

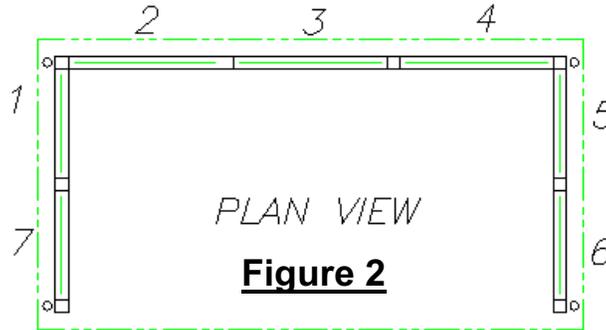


**CAUTION: AS YOU ASSEMBLE THE SEQUENTIALLY NUMBERED PANELS BE SURE THE PANELS CREATE THE SHELTER ASSEMBLY PATTERN SHOWN ON INSTALL LAYOUT SHEET ATTACHED.**

**CAUTION: BE SURE THE SHELTER WALLS DO NOT FALL/TIP OVER DURING INSTALLATION.**

**STEP 3**

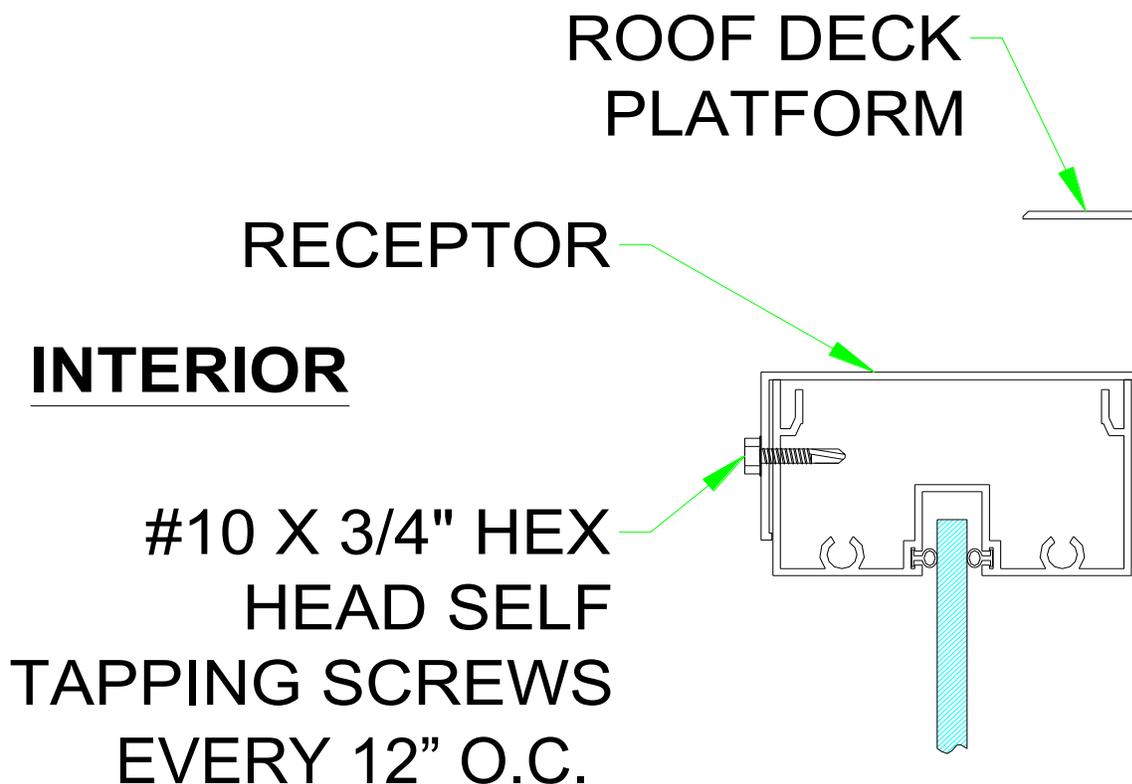
Unpack the wall sections from the crate. Note that the wall sections are numbered, in sequence, starting at #1 and start in a corner. See figure 2 below.



Start with the #1 & #2 wall sections (they should make a corner connection). Stand up the Wall Sections #1 & #2 placing the corner posts male to female connections next to each other. Snap the two wall sections together by lightly hitting the sections at the connection point with a rubber mallet and continuing from the top to the bottom of the post. Proceed with the remaining wall sections in the same manner, continuing with the next appropriate number until all panels and entrance/exit assembly is complete. **Caution: Be certain wall sections are secured from falling over until shelter is fully anchored to concrete pad.**

**STEP 4** – Receptor Install

Make sure the wall sections are square then install receptors. Install the receptors on top of the wall sections. Attach the receptors to the interior side of shelter using #10 x 3/4" hex head Tek screws every 12 inches on center. See the **Receptor Layout** attached and **Figure 3** below.

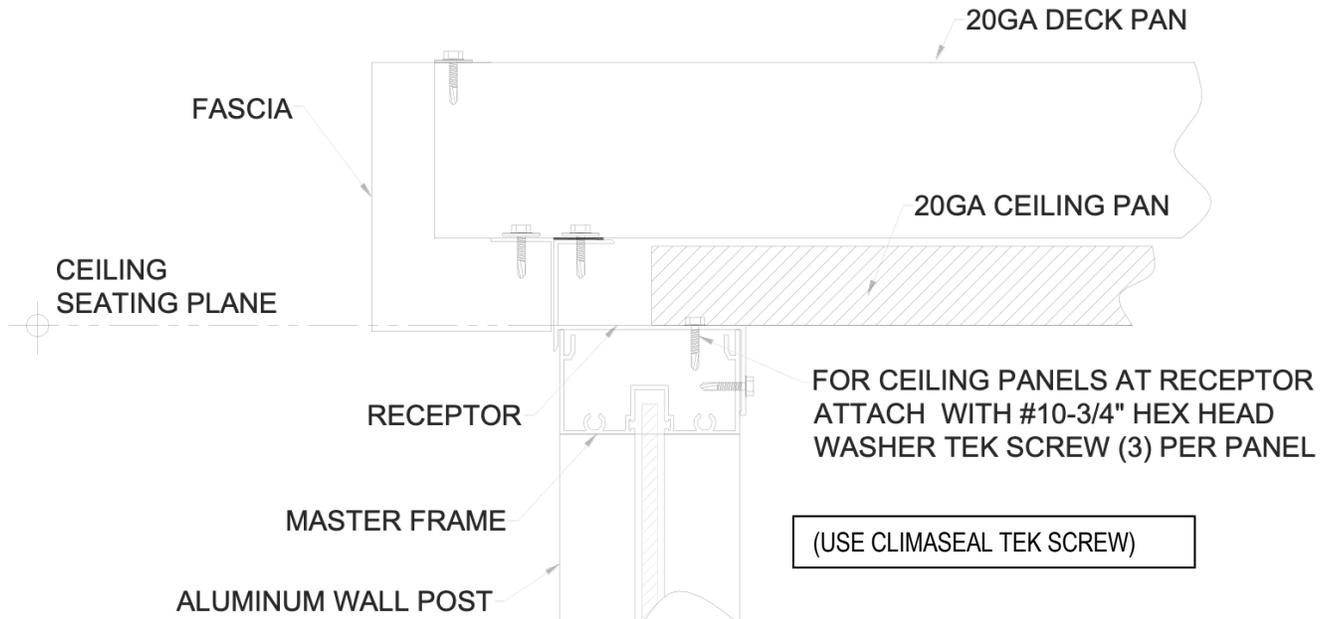


**Figure 3**

## **STEP 5** – Ceiling Panel Install

Strip the plastic protective film off the panels.

As you can see from Figure 3a, the ceiling panel is placed on top of the receptor with the white finish toward the interior of the shelter. Space the panels evenly across the shelter and attach them by using #10 x 3/4" self-tapping screws with three per panel. You will need to start with the first panel and attach before installing the remaining panels. Be sure to push the remaining panels tight to the previously installed panels to be sure that they will fit at the last end wall. Remember to strip off protective plastic on the interior side.



**FIGURE 3a: Installation of interior ceiling panels (See Ceiling Layout Attached).**

## **STEP 6** – Deck pan Install (See Roof Layout attached).

**Step A** - Strip off the protective plastic on the interior side of the roof. Place a strip of putty tape on the top of the receptor where it sits on the roof deck platform. The roof deck pans are designed to overlap into the gutter system (see attached roof layout for approximate overhang). The roof deck will be under the topmost return of the fascia/gutter system on all sides.

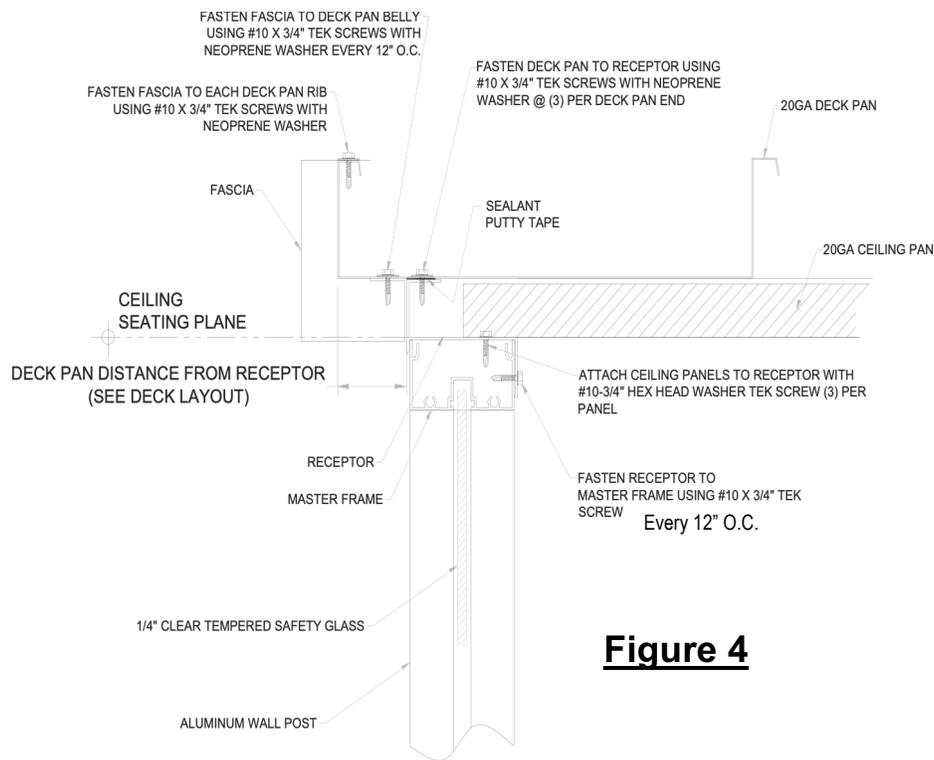
**NOTE: ALL DECK PANS SHOULD BE IN PLACE BEFORE ATTACHING TO RECEPTOR.**

**Step B** - Attach deck pans to the receptor using (3) #10 x 3/4" Tek screws with neoprene washers at each end of the deck pan where it meets the receptor and every 12 inches on center along Elevation B and D.

## **STEP 7** – Fascia Install

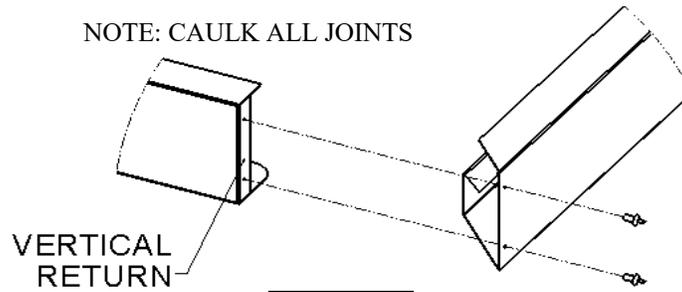
**Step A** - Strip off the protective plastic on the finished side of the fascia. The fascia/gutter system is placed against the receptor with the large opening of the gutter facing the exterior of the shelter. See **Fascia Layout attached**.

**Step B** - Start at a corner and align and support (2) pieces of the fascia/gutter system. Be sure that the outside face of the fascia is level before attaching to the deck pans. When attaching the corners of the fascia, be sure the outside faces are aligned with each other in both directions. Fasten the fascia/gutter to the top of the deck pan ribs and the deck pan belly using #10 x 3/4" Tek screws with neoprene washers every 12" on center.



**Figure 4**

**Note:** The vertical returns on the fascia ends must be inside the mitered fascia corner. Drill 3/16” diameter holes through the face of the mitered fascia and the vertical return of the outside straight fascia section, 2 holes per corner. Caulk between inner and outer fascia overlap at corner thoroughly. Fasten with 3/16” aluminum pop rivets, 2 per corner. Repeat this process for the remaining corners. See **Figure 5** below.



**Step C** – For middle section, telescope outside straight fascia with inside straight fascia. Be sure that the outside face of the fascia is level before attaching to the deck pans. Fasten the fascia/gutter to the top of the deck pan ribs and the deck pan belly using #10 x 3/4” Tek screws with neoprene washers every 12” on center.

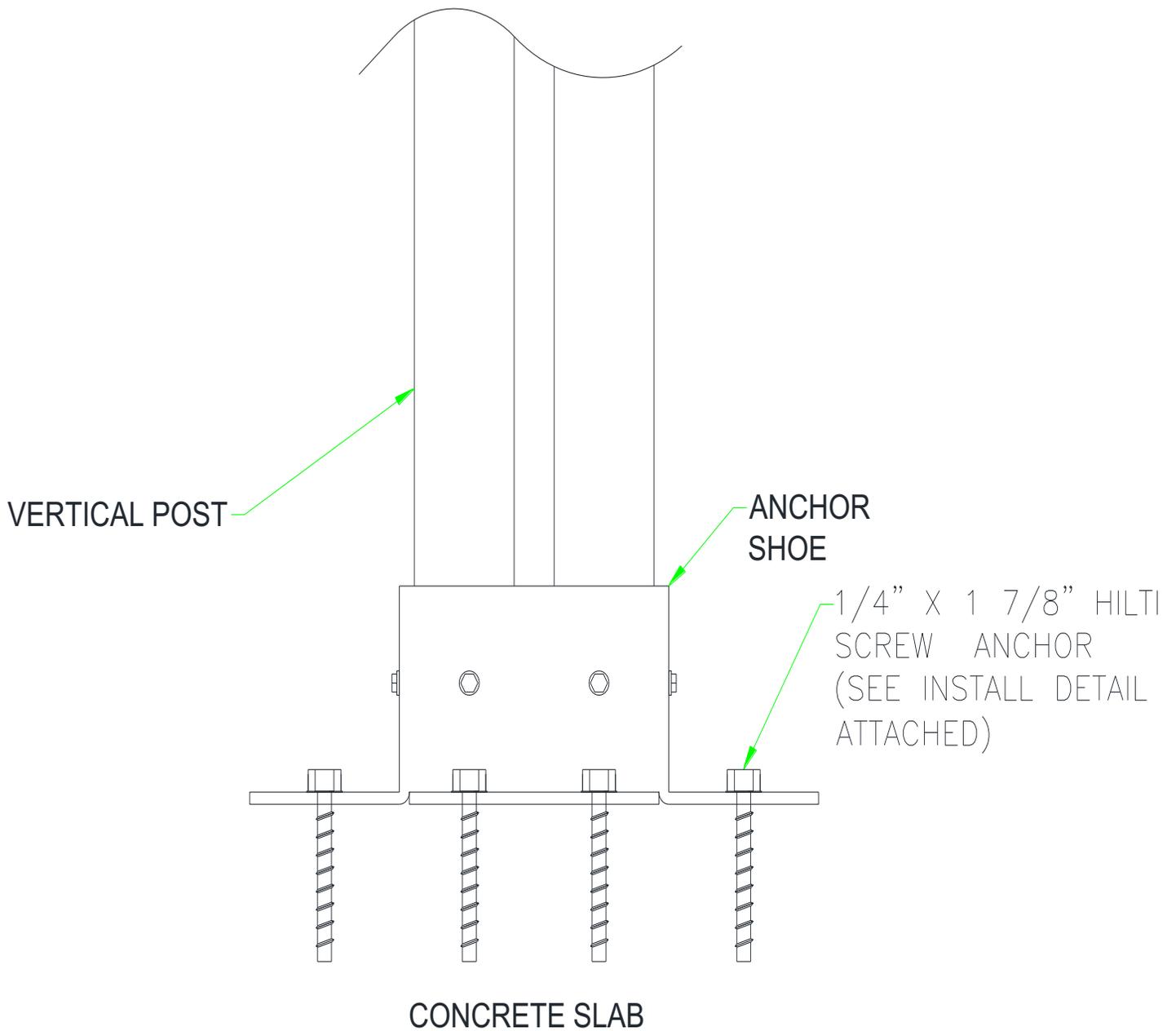
**Note:** Drill 3/16” diameter holes through the face of the telescoping fascia. Caulk between inner and outer fascia overlap thoroughly. Fasten with 3/16” aluminum pop rivets, 2 per telescoping fascia section. Repeat this process for other telescoping sections.

## **STEP 8 – Anchoring**

Anchor the shelter to the concrete pad. **See Figure 6.**

Fit the anchoring shoes around the exterior of each of the posts. Although six holes are provided in anchor shoe, only 4 anchors per shoe are required. Mark the holes to be drilled in concrete pad using the anchor shoe as a template. Remove the anchor shoe and drill into the concrete pad. Be sure the holes are deep enough for the Screw Anchors to anchor shelter properly. See screw anchor install attached.

Fit the anchoring shoes around the exterior of each of the posts and attach the shoes to the posts with (6) #10 x 3/4” hex head self-tapping screws in the holes provided. Screw 1/4” x 1 7/8” Hilti screw anchors provided.



**Figure 6**

**STEP 9**

With a 1-1/4" hole saw, drill a (four total), 1-1/4" diameter drain hole centered in fascia gutter 4" from each corner. For best results drill weep holes away from entranceway(s). Actual location may vary based on site location.

SEE INSTALL LAYOUT SHEET FOR LOCATIONS