



Studio Roof Assembly

- 1.) Roof Header Installation: Facing the existing structure, begin at the left side of the room. Determine if you are going to be placing the header screws directly into the rafter tails or wall studs. Next, use a chalk line and snap a line from the top of the left wall cap to the top of the right wall cap. This line will then be used as a guide for the placement of the header. *NOTE: The header has a slight pitch built into it. Make certain that the larger flange of the header is on top.*

Caulk the backside of the header with two large beads of caulk, except where the overhang will be exposed. Rest the header on top of the wall cap. Place a level on top of the header at its center. Screw in the header using #10 x 2" wood screws. Starting from the center of the room and moving out to the edges, place two screws in alignment with one another all the way across the header. If the roof header is going into brick or stucco, use tap cons.

- 2.) You are now ready to install the Inter-Lock Roof System Panels. First, determine the sequence in which the panels will be installed. If there is a panel with a fan beam, make sure of its location in the sequence.
- 3.) Beginning at the left side of the room, keeping the female edge to the left of the room, slide the first panel into the header.

TIP: The extra cardboard sleeves come in handy here. By placing them on top of the wall cap, you'll avoid scratching the roof panels as you slide them up toward the header.

Bring the edge of the roof panel in line with the end of the header. Measure to ensure the same overhang at both the back and front corners of the room. *CAUTION: It is mandatory that the roof panel be square to the header.*

Remove the cardboard shield and then secure this roof panel with the long roof screws and neoprene washers provided. *NOTE: When installing half-snap panels, neoprene washers are not used and roof screws should be screwed in flush with the OSB hard surface.*

Starting at the corner, measure 4" back. Tighten the first screw down into the wall cap. Be sure to line up the roof screws so they protrude through the center of the cap. *TIP:* An easy way to align these screws is to measure the underside of the roof panel where it overhangs at the front of the corner post. Then, add 1" for a 2" wall system or 1 1/2" for a 3" wall system. Transfer this measurement to the top of the roof panels and attach a screw at the front corner post. Do the same 4" back from the header. Use a chalk line to snap a line between these screws. This will ensure that the roof screws will be attached in the middle of the top wall cap.

Screw placement for side walls is about every 12" and four screws across each 4' panel. *CAUTION: Do not tighten down the 4th screw in the attached panel until the next panel is snapped in.*

At the header, attach the roof panel using 1/2" Tec screws spaced about every 6" apart. Next, slide the next roof panel up into the header, keeping it about 3" away from the already attached roof panel. Clean the top groove of the male locking edge of the already-attached roof panel with denatured alcohol and let it completely dry before applying a bead of caulk. Now join the two interlocking roof panels together. *NOTE: When you hear the panels snap together, you know they are in the right position.* Continue this procedure for each panel, screwing each panel into the header.

- 4.) When installing the roof screws through the roof panels into the wall cap, pound the roof screws through the panel and then screw them down into the wall. *NOTE: Before tightening down the roof panels, use a level to plumb the walls because they may move around when each roof panel snaps into position.* The roof screws should be tightened just enough to make a shallow dimple in the roof panel. *NOTE: At the end of the installation, caulk around all of the roof screws and washers.*

- 5.) Now flashing must be installed and the caulking completed to prevent leaks.
- 6.) Next, install the gutter and fascia. Both the trim fascia and gutter have break away flanges that allow for adjustment to the 3" or 4" roof system. Trim off the flanges where the fascia and the gutter meet. Cut the gutter to the correct length.

Determine the position of the down pole. Then, using a 2 3/8" hole saw, cut an opening the drop outlet, caulk it and insert it before attaching the gutter.

To install the gutter, line it up with the edges of the roof panels. Push the gutter flanges firmly onto the roof panels. Now use 1/2" Tec screws set approximately 4" in on each side, and 12" on center thereafter to attach the gutter.

Now attach the fascia to the left and right sides of the room. Measure the length from the outer edge of the gutter to the header. Due to the pitch of the header, it may be necessary to cut a slight angle on the end of the fascia where it meets the header. Attach the fascia with 1/2" Tec screws, in the same locations as was done for the gutter. Caulk and seal the gutter and fascia. Now install the elbows and down poles. ***NOTE:** There are three down pole straps sent with each down pole to attach the down pole to the room.*

