

Elite Aluminum Corporation

Roof Installation Instructions

Note: Prior to installation please check underneath the first row of shingles to make sure the drip edge is properly sealed. A licensed roofer may be needed if there is a problem with the seal.

I. Preparing the Header Channel

- A. To determine the total length of the header multiply the number of full panels by 48". For **half panels add 22 7/8"** for full coverage. **The header should be cut at that dimension.**
- B. To pre-drill holes for attachment measure, mark and drill holes using staggered spacing, **starting 3" from each end.** Hole diameter will be determined by fastener type and size according to your engineered plans.

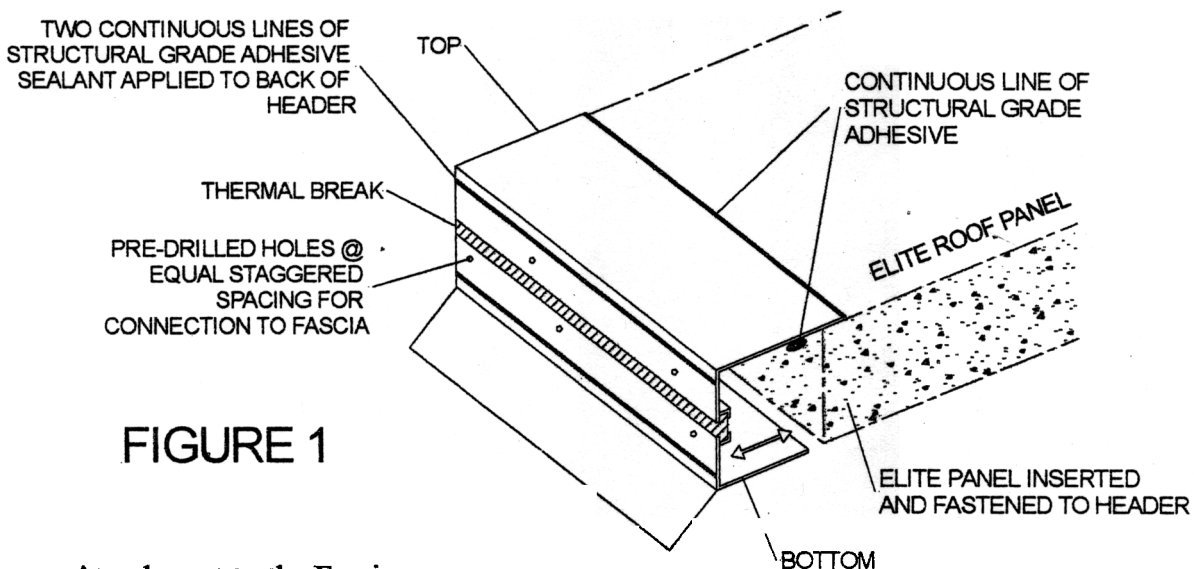


FIGURE 1

II. Attachment to the Fascia

- A. Preferred slope for the Elite roof panels is a $\frac{1}{2}$ " per foot. Notice in figure #2 with a roof span of 10' the outside wall is 5" shorter than the fascia height.

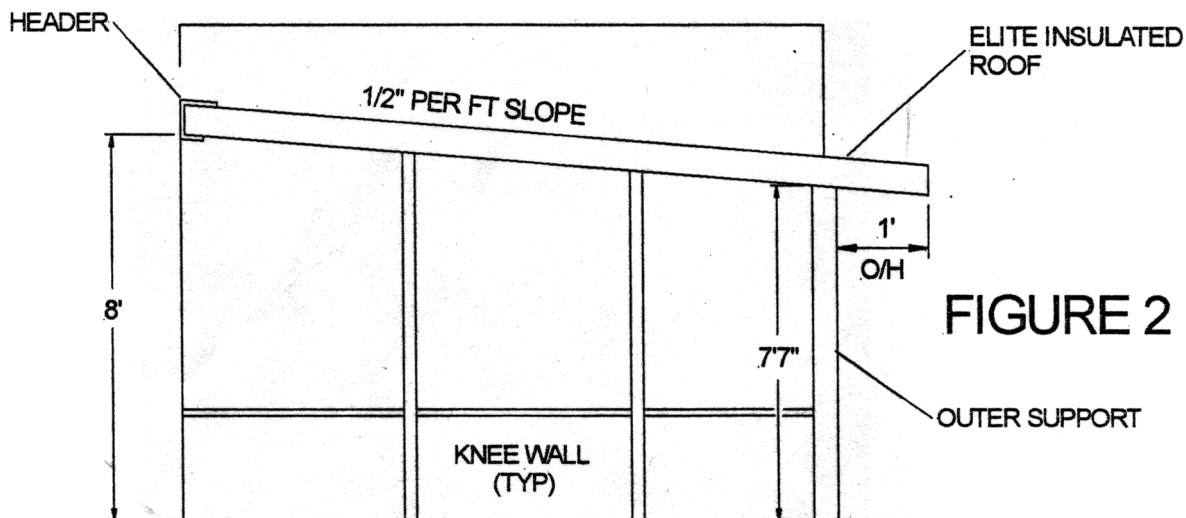


FIGURE 2

- B When attaching the header to the fascia board make sure the header is installed a $\frac{1}{2}$ " below the drip edge. This is critical for keeping water from being trapped between the header and the drip edge.

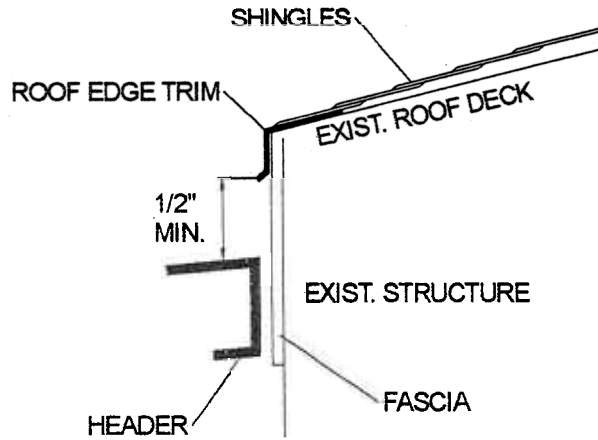


FIGURE 3

- C. Using the header channel as a template mark and drill fascia or wall to the size anchors the engineering calls for. Make sure the fascia and header are clean of all debris. Run two continuous lines of sealant to the back side of header. Place header on fascia and attach according to the engineering. See figure #1.
- D. Before installing the roof panels apply a continuous bead of sealant to the underside of the header channel. See figure #1.

III. Roof Panel Installation

- A. Place roof panel #1 on front wall and slide panel into the header channel. Make sure top of front wall is protected (box end of Elite panel) so the panel does not scratch. It is suggested that the female edge will always attach into the male edge.

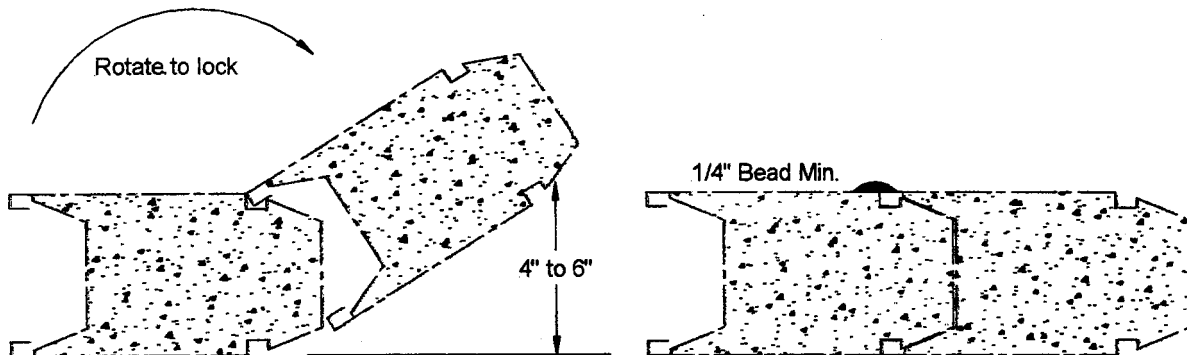


FIGURE 4 INTERLOCK

- B. Square and secure panel #1 to facilitate the installation of the remaining panels. At this time you may want to run a bead of sealant in the male recess before locking the next panel into place (See figure # 4). Place second panel onto the front wall, stay $\frac{1}{2}$ " outside of header. Raise male edge of panel 8 to 12 inches maintaining top female facing in the male recess for the full length of the panel. See figure #5 above. Allow the panel to come down until it rests of the front wall. During this process you will here a distinct "Click" indicating that the bottom facings have engaged. Slide panel into header and then push to panel #1. This will close the seam and allow the panels to properly interlock. Repeat process until all panels are in place. Square and secure panels according to the engineering plans.

IV Sealing the system

- A. Apply generous beads of sealant where the header attaches to the fascia or wall.
- B. Apply sealant to the top facing of the panel to the header (see figure #1).
- C. Each panel seam (see figures 5-8).
- D. Keep in mind that a sealant tape may be used for all these connections (see figure 8)

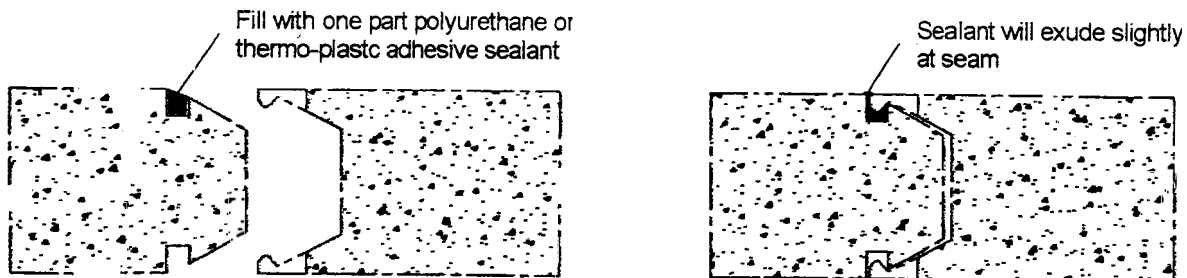


FIGURE 5 UNIVERSAL LOCKING

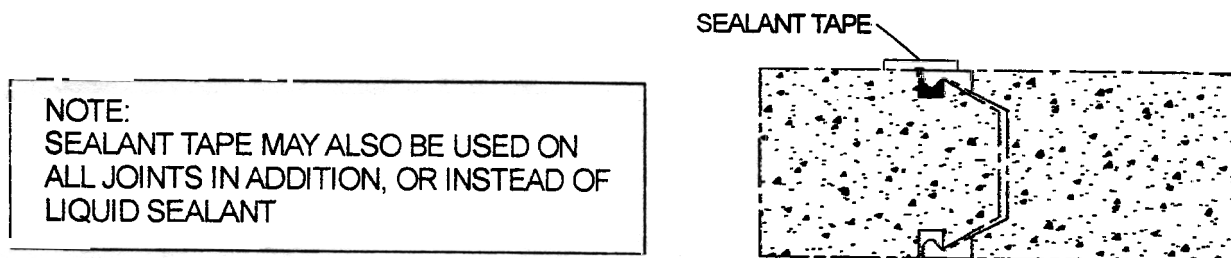


FIGURE 6 SEALANT TAPE

ADJUSTABLE FROM 1:12 TO 7:12 SLOPE

SEE MASTER PLAN FOR ATTACHMENT DETAILS

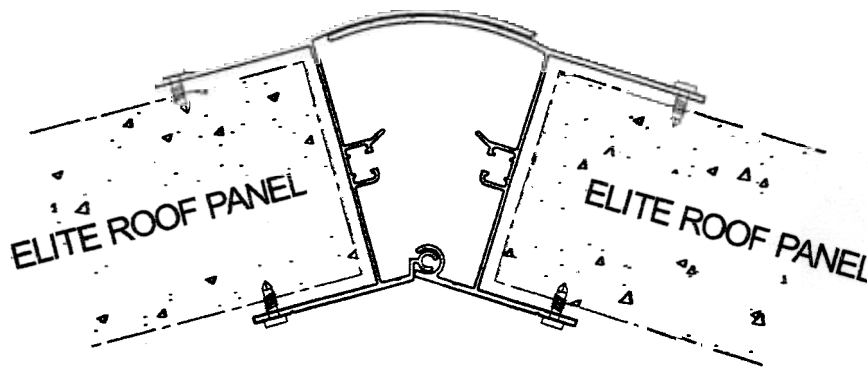


FIGURE 7 ELITE ADJUSTABLE RIDGE BEAM

V. Attachment of gutters and fascia

- A. The attachment of e-gutter and e-fascia are shown in figure #9. Fasten according to the size and spacing shown on the engineering.
- B. The attachment of the drip edge fascia is shown in figure #10. Fasten this according to the engineering. The drip edge will be used on all three sides of roof and will receive a house gutter.
- C. Sealing of the fascia and gutters are shown in figures 9-10.
- D. One thing to keep in mind when choosing to use e-gutter and e-fascia. In heavy rains the water can accumulate very quickly on top of the roof and not exit the gutter fast enough.

Because the e-gutter and fascia rise above the roof 2 inches, you may have as much as 2 inches of water sitting on the roof with no place to exit. Consequently water can possibly find its way into the room.

- E. At Elite we suggest using the new and improved drip edge fascia with a weep (see figure #10). The drip edge does not sit above the roof thus allowing heavy amounts of water to exit the roof and into the gutter. Also the drip edge is equipped with a 1/2" channel that sits below the panel to drain any excess water that would enter into the panel.

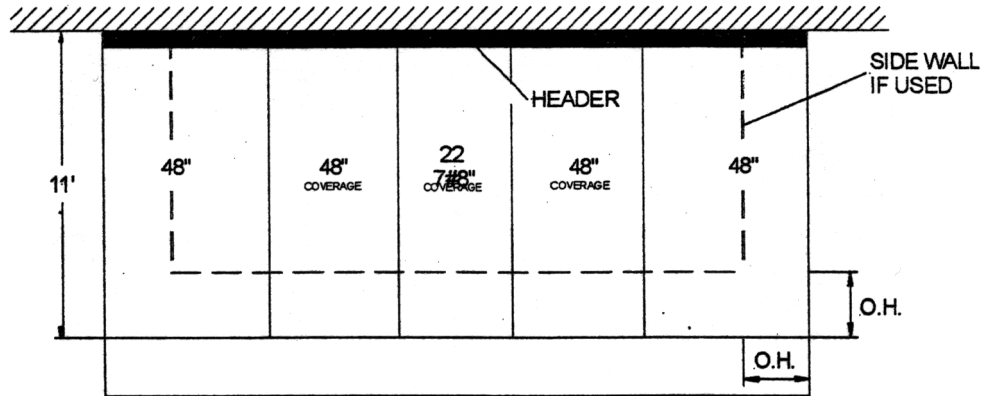


FIGURE 8 Plan VIEW FOR PANEL COVERAGE

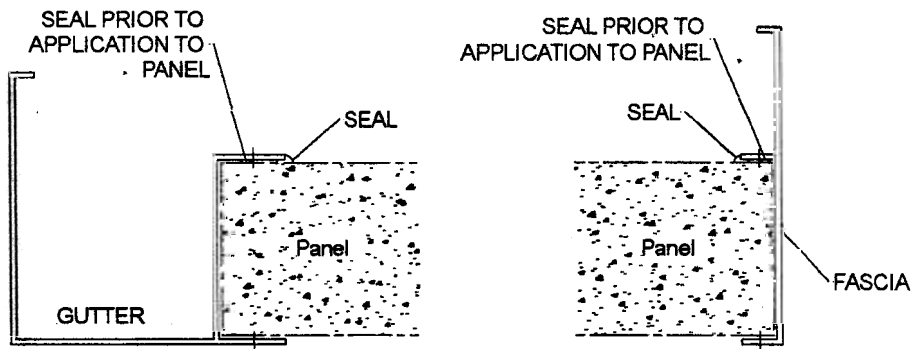


FIGURE 9 PANEL WITH GUTTER

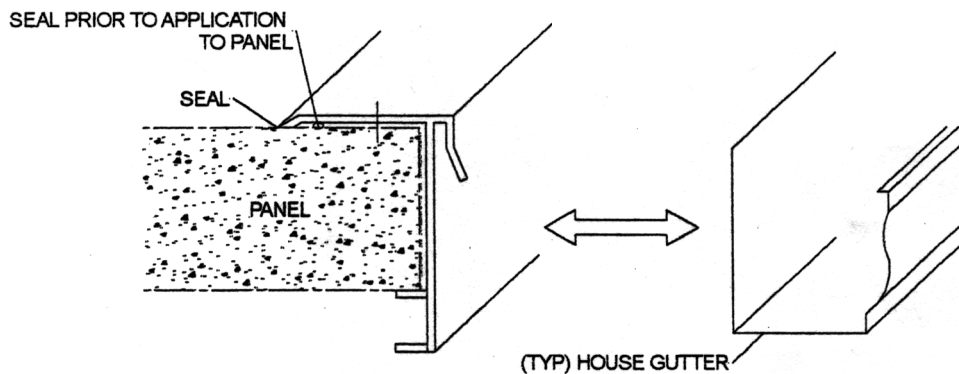


FIGURE 10 PANEL WITH DRIP-EDGE FASCIA

NOTE: Flashing is not recommended; however, if you must, please involve a licensed roofer to insure correct procedure is followed