

These instructions describe and illustrate the steps involved in installing CertainTeed siding and trim. Their purpose is to provide detailed information and how-to tips that will simplify the installation process. CertainTeed shall not accept any liability or responsibility under its written warranty for failure caused by application that does not meet our minimum requirements for proper installation. These requirements are outlined throughout the CertainTeed Installation Guide (CTS205). Any deviations from these requirements should be approved in writing by CertainTeed Corporation.

NOTE: The following instructions focus on a gable installation. They also are geared towards an enclosed gable, started with a J-channel. The Half-Round can also be started with starter strip. This is an example only!

Installing receiving channels

Frame the border area with 3/4" J-channel. Nail in place loosely. Miter joints accordingly.

NOTE: You also can use 3-1/2" or 5" lineals to frame gable ends and gable base.

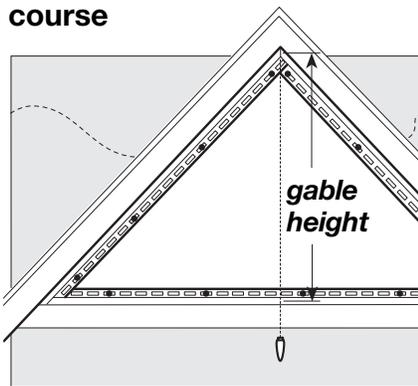
Cut enough J-channel to span the base of the gable, then secure it in place.

NOTE: The instructions below show how to create a gable installation with a complete, centered Half-Round at the peak.

Making the starter course

Gable installations properly terminate with a single round at the peak. To create this effect, you usually have to adjust the height of the starter course.

To determine the height of the starter course, calculate the number of rows required to complete the gable.

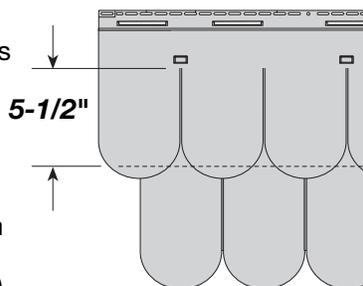


Use the following formula:

Gable height (inches) ÷ 12.5 (face exposure) = courses required

NOTE: Gable height is measured from inside the horizontal receiving channel to the peak (allowing 1/4" at the top and bottom for expansion).

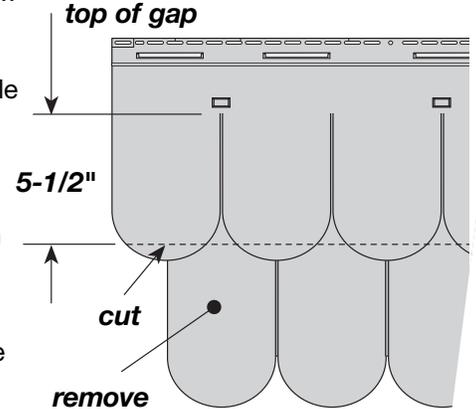
For example, with a 68" gable height, the calculations would be $68 \div 12.5 = 5$ with a remainder of 0.44. This means you would need 5 full courses plus 0.44×12.5 (face exposure of panel) = 5.5" measured from the top edge of the gap on the upper course (illustrated).



Installation Instructions Cedar Impressions® Half-Round Shingles on Gable Ends

This is the visible height for your starter course. The visible height is the vertical dimension of the panel you'll see below the first full row of rounds.

Once you've determined the visible height of the starter course, mark this dimension on a Half-Round Shingle panel. Measure from the top of the gap on the upper course (illustrated). Draw a cutting line the entire length of panel.



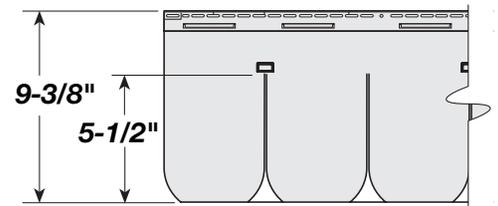
Cut and use the top section, which contains the locks, as your starter course. Cut enough panels to span the base of the gable.

Hanging the starter course

To end up with a single "round" centered at the peak of the gable, you must properly locate the first starter panel.

Begin by marking a vertical plumb line from the peak.

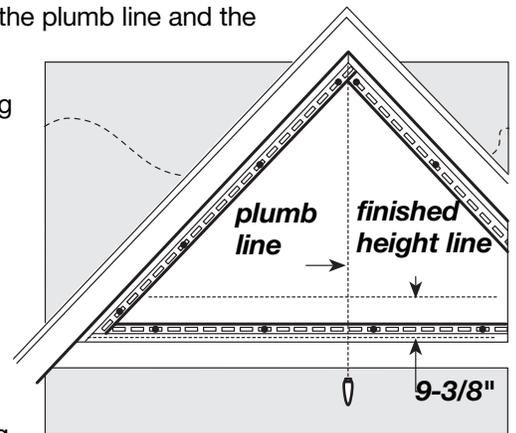
Then measure and mark the finished height line. In our example, using a starter course with a 5-1/2" visible height, the finished height is 9-3/8".



With your ruler inserted into the pocket of the lower J-channel, mark a line on the substrate equal to the finished height (remember to allow 1/4" for expansion). Repeat at several points along the gable base. Use these marks to strike a horizontal level line that will guide the nailing of the starter course.

The point where the plumb line and the horizontal level line intersect marks the starting point for hanging the first starter course panel (if the first starter panel intersects the plumb line).

Determine whether you will center a "scallop" or a "V" at the starting point. This decision is based on the number of courses required to complete the gable.



The rule of thumb is:

Center an upper scallop if the initial calculations had less than 0.5 courses remaining (0.44 in our example).

Center the gap or "V" of the upper course if more than 0.5 courses remained.

(In our example we require 5.44 courses, so we would center on a scallop.)

More than one panel will probably be required to reach the plumb line. Measure from the plumb line into the pocket receiving channel (leaving 1/4" for expansion) as illustrated.

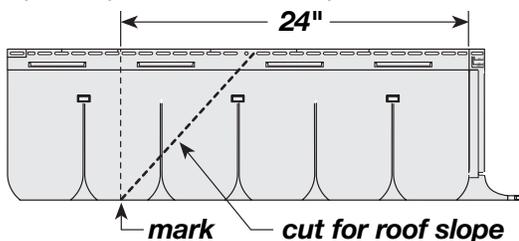
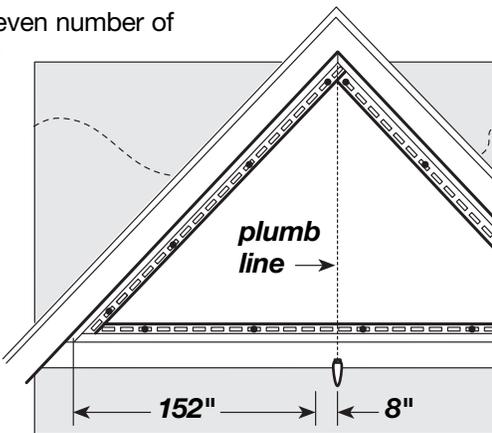
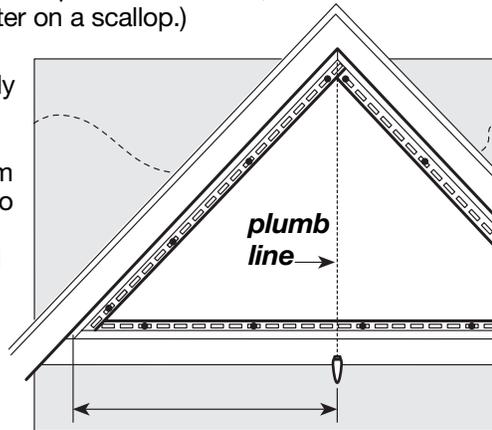
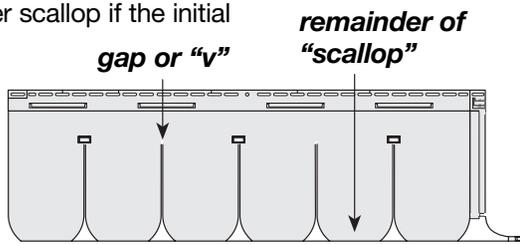
If you require an odd number of courses (i.e. five full courses plus starting course), subtract 8" from the distance from the plumb line to the left receiving pocket (remember to allow 1/4" for expansion).

If you require an even number of courses (i.e. 6 full courses plus starting course), subtract 18-1/2" from the dimension.

NOTE: The 8" and 18-1/2" dimensions ensure having a full centered scallop at the topmost part of the gable.

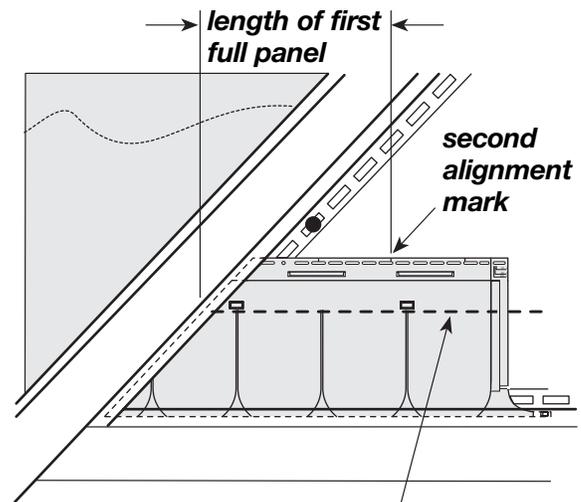
For example: If the measurement required to the plumb line (minus 8" for an odd number of full courses) is 152", then $152" \div 32" = 4$ full panels plus 0.75% of one panel or 24" measured from the edge of the texture on the right side (temperature indicator side).

Create a cutting guide as described earlier for gable applications and trim first panel (for this example) at 24". Continue to hang the remaining starter course strips, remembering to center nail first.



Installing first full panel

It is important to stagger the panels, as described in this section. The easiest way to determine the length of panel required is to measure from the alignment line on the nail flange of the starter panel to the edge of the roof slope (see illustration).



line represents the bottom of the first full course of scallops

Using this measurement, drill a hole centered in the remaining nail flange as described earlier. Lock the first full exposure panel to the starter course after trimming for roof slope.

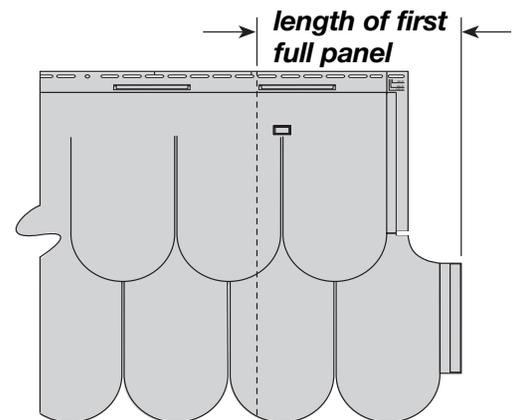
After locking panel in place, center pin the panel.

Lapping remaining panels

The remaining panels to be installed must be lapped in accordance with the current temperature.

Repeat this process for the entire course.

At the end of each course, trim panels to the gable angle. Be sure to allow for expansion at the J-channels.



Installing the last round

When you reach the peak, trim the last round to the desired height by removing the locks. Then face nail to the substrate, using a color-matched finishing nail.

If you have any questions about installing this product, please call us at 800-233-8990.