

LOW SLOPE ROOF DETAILS

The minimum roof slope on which Certi-label® shakes are recommended is 4:12 and for Certi-label® shingles, 3:12. It is possible, however, to apply Certi-label® shakes or shingles to solid sheathed roofs of low slope between 3:12 and 4:12. Certi-Last® pressure-impregnated preservative-treated shakes or shingles are recommended in low slope installations. Shingles must be applied at a reduced exposure. Never interlay shingles with felt. The prescribed method provides a double roof on which the Certi-label® shakes or shingles are applied to a lattice-like framework embedded in a bituminous surface coating.

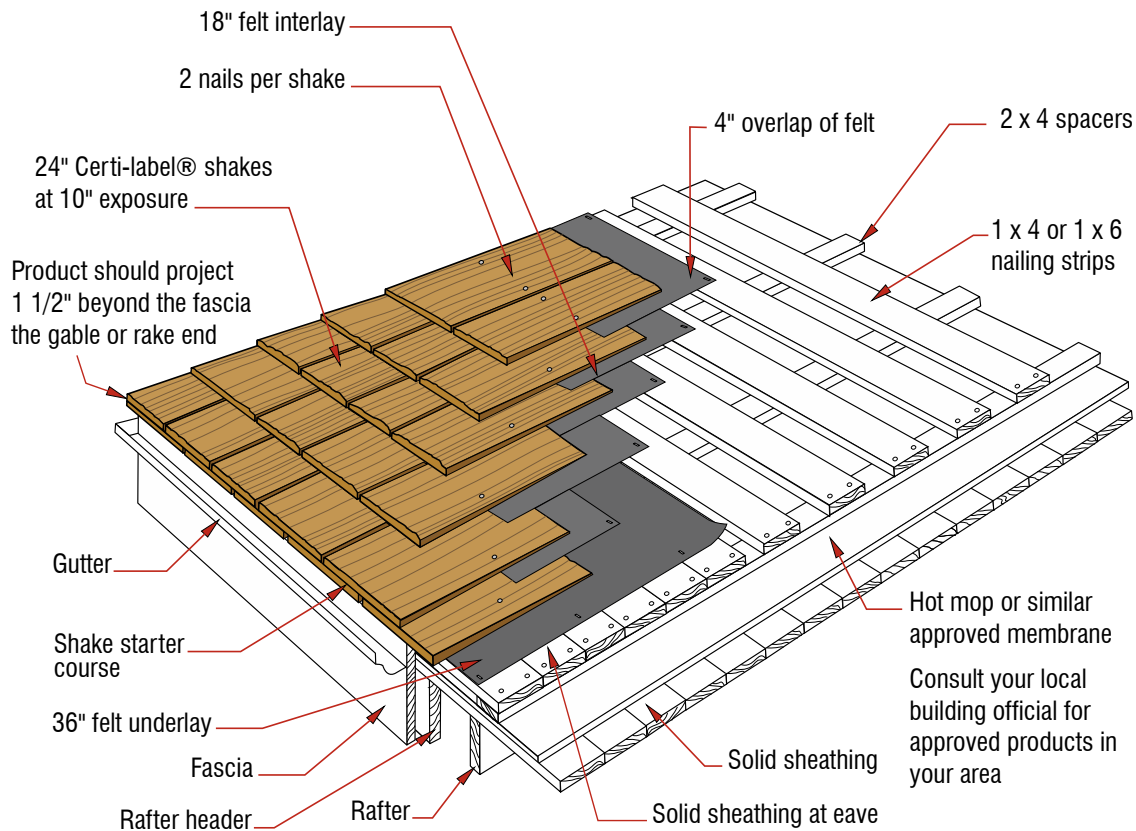
A hot mop or similar approved membrane should be applied over the roof deck. Consult your local building code official for approved products in your area. With the final hot-mop application 2 x 4 spacers of Western Red Cedar or preservative treated lumber are embedded in the bituminous coating. These

spacers are installed over the rafters and extend from eave to ridge. Check with your local building code official for their preference in your area.

Next, 1 x 4 or 1 x 6 nailing strips, spaced according to the weather exposure selected for the Certi-label® shakes or shingles, should be nailed across the spacers to form a lattice-like nailing base. For example, if 24" shakes are to be installed at a weather exposure of 10", the nailing strips would also be spaced at 10" on centers. When 1 x 4 spaced sheathing is installed at 10" on center, additional 1 x 4 boards must be installed.

Finally, the Certi-label® shakes or shingles are applied in the normal manner with a starter course at the eave and felt interlay between each course of shakes (Figure 7).

Figure 7: Certi-label® Shake Application to Low Slope Roofs



NOTE:

- When utilizing a non-permeable barrier (including non-permeable underlayment) over the entire roof deck/sheathing system, consult a Building Envelope Specialist.
- If installing shakes < 4:12 slope or shingles < 3:12 slope, check with your local building code official for approval to make sure the application complies with jurisdictional requirements.