

19. Dormer flashings shall run 3" up under the sheathing paper and not less than 3" horizontally.
20. Window caps and all other projections at points where rain water accumulates must be provided with flashings. Such flashings must extend a distance of 3" up the wall behind the sheathing paper.
21. Soil pipes: Metal shall extend no less than 6" in all directions and shall be installed to lap and shed water to the Certi-label® shakes or shingles below.

Hip and Ridge

22. All Certi-label® shake/shingle hip and ridge shall be of alternate overlap type applied at the same exposure as field of roof and with nails long enough to penetrate into sheathing at least 3/4", position fasteners approximately 2" above exposure line. Install a strip of felt, eave protection material or metal over hip or ridge under the ridge or hip cap. If longer or shorter ridge cap is used, adjust exposure accordingly.

Valleys

23. Certi-label® shakes/shingles extending into the valley shall be sawed to the proper miter.
24. Do not lay shakes or shingles with grain parallel with the centerline of valleys.
25. All valleys shall be installed with Certi-label® shakes/shingles lapping the valley flashing not less than 7" on each side.
26. On Certi-label® shingle roofs of less than 6:12 slope, flashing should extend at least 11" on each side.
27. For Certi-label® shakes, metal valley sheets shall be center-crimped; of 20" minimum width; underlaid with a strip of No. 30 ASTM D226 Type II or No. 30 ASTM D4869 Type IV organic roofing felt over the sheathing and coated with a metal paint.
28. Valley metals that have proved reliable in a particular geographic region should be selected. Copper flashing: check with local building code official on the durability of copper valleys in your area.

Fasteners

29. **For projects within 15 miles of salt water** – Certi-label® roof shakes and shingles must be secured with two (2) stainless steel Type 316 nails. Check with local building code official.

For locations outside the 15 mile range of salt water – Certi-label® roof shakes and shingles shall be secured with two (2) fasteners: stainless steel Type 304, Type 316 or hot-dipped galvanized after fastener fabrication with a coating weight of ASTM A153 Class D (1.0 oz/ft).

For Pressure-Impregnated Treated Products –

Fasteners used with fire-retardant-treated (Certi-Guard®) or preservative-treated (Certi-Last®) shakes or shingles must be stainless steel Type 316. For specifics on installation, accessory building materials (flashing, etc.), finishes and maintenance please contact the treatment company directly.

Fasteners shall be long enough to penetrate into the solid wood sheathing at least 3/4" or all the way through.

30. Fasteners shall be driven flush but not so that the nail head crushes the wood. They shall be placed approximately 3/4" to 1" from the side edges of the shakes/shingles and approximately 1 1/2" above the butt line of the following course.
31. Each Certi-label® roof shake/shingle shall be secured with two full-driven, corrosion-resistant fasteners. (Specify size and type.)
32. Ensure that fasteners used are accepted by your local building code official. Also check with local fastener manufacturers.

Shingles

33. Use 3d "box" nails for new roofs with 16" and 18" shingles.
34. Use 4d "box" nails for new roofs with 24" shingles.
35. Use 5d "box" nails for over-roofing with 16" and 18" shingles and for hip and ridge.

Shakes

36. Use 5d "box" nails for new roofs with 18" straight-split shakes.
37. Use 6d "box 2" nails for new roofs with 18" and 24" handsplit-and-resawn shakes.
38. Use 5d "box" nails for new roofs with 24" tapersplit.
39. Use 6d "box 2" nails for new roofs with 18" and 24" tapersawn.
40. 6d nails are usually adequate for Certi-label® shakes, but longer nails shall be used as Certi-label® shake or shingle thickness or weather exposure dictates.