SPECIFICATION GUIDELINES

This information has been designed to aid architects and builders in specifying red cedar shingles and shakes. It suggests a standardized terminology and style for ordering in the hope of improving accuracy. And, it incorporates a general outline of the latest application information. Please note, however, that this is a specification guide only. It is not intended to be a complete reference to the characteristics or application of red cedar shingles and shakes. Comprehensive literature on such subjects is available from the Bureau on request.

General Specification Data

1. The contractor shall cover all wall surfaces with Red Cedar Certigrade shingles or Certi-Split shakes bearing the Cedar Shake & Shingle Bureau's official grade marked label.
2. Shingles/shakes for sidewalls shall be (specify grade and length).
3. Shingles/shakes for outer courses shall be (specify grade and length).
4. Shingles/shakes for undercourses shall be (specify grade and length).
5. Shingles/shakes shall be laid with a weather exposure of (specify in inches).

Sidewall Application

6. Sidewall shingles/shakes shall be doubled or tripped at foundation lines.
7. Sidewall shingles shall be spaced apart 1/8" to 1/4" or if closed joints, not hammered together.
8. Joints of shingles in any one course shall be offset not less than 1 1/2" from the joints in adjacent courses.
9. Shakes on sidewalls shall be spaced apart not more than 1/2".
10. Sidewall shingles/shakes shall be applied with a weather exposure of (specify in inches from following table).

<table>
<thead>
<tr>
<th>Shingle Size</th>
<th>Single Course</th>
<th>Double Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot; x ½&quot;</td>
<td>7&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>18&quot; x ½&quot;</td>
<td>8½&quot;</td>
<td>14&quot;</td>
</tr>
<tr>
<td>24&quot; x ½&quot;</td>
<td>11½&quot;</td>
<td>16&quot;</td>
</tr>
</tbody>
</table>

Note: Maximum exposure for Grade 1: 10".

Fastening Sidewall Shingles/Shakes

11. Fasteners. Each shingle or shake shall be secured with two hot-dipped, zinc-coated nails or stainless steel (type 304 or 316) or aluminum nails or staples. Staples shall have a minimum crown width of 3/8" and a minimum wire gauge of 16. Nails and staples shall be long enough to penetrate the sheathing 1 1/2" to 3/4". All fasteners shall be driven flush to the wood surface and not over driven so as to crush the wood fibers. Staples shall be applied with crowns parallel with the butt of the shingle.

12. Sidewalls. Use 5d "box" or special 14-gauge shingle nails for new double-coated shingle sideward applications. Use 5c nails for applying shingles to lath or gypsum or insulated board sheathing. In butt nailing double courses the nails are exposed and should be placed 2" to 3" above the buttline. Sidewall shakes shall be nailed not more than 1" from each side.

Note: Do not use bright or blued steel wire nails in applying Certigrade shingles or Certi-Split shakes.

QUALITY CONTROL

Western Red Cedar shingles and shakes are made by experienced craftsmen—specialists who take pride in their trade and the quality of their product. Despite their varying sizes and sometimes remote locations, those member mills that market shingles and shakes under the labels of the Cedar Shake & Shingle Bureau are bound together by a rigid quality code. Unscheduled checks conducted by expert shingle and shake inspectors assure that the products are of the highest grade attainable—top quality materials graded, packed, labeled, and shipped according to strict standards. Inside or out, the Certigrade, Certi-Split, and Certigroove labels are your guarantee that only the finest materials and the most meticulous craftsmanship have gone into producing shingles and shakes. Insist on these time-honored, time-tested, and nationally-recognized industry labels.
Definition:
Shake hip-and-ridge units shall be manufactured from No. 1 grade handsplit and resawn shakes, or No. 1 or No. 2 taper-sawn shakes that have one edge sawn on a bevel and fastened together to produce the cap for the hip or ridge of the roof.

Quality Standards:
No. 1 hip and ridge units shall be produced from material that meets the standard for No. 1 shakes; No. 2 units shall be produced from material that meets the standard for No. 2 taper-sawn shakes. Lower grade material is not permitted.

Size:
At the time of manufacture, the shake hip and ridge assembly width shall be 9 inches, measured on the underneath side of the assembly at the butt end. A minus tolerance of 1/8 inch is allowed. Butt misalignment of assemblies in excess of 1/4 inch is not permitted. The narrow component shall have a minimum width of 4 1/2 inches at the butt end. For taper-sawn ridge, top corners at the outer edge of the units shall be not more than a 90-degree angle.

Packing:
Individual shake hip and ridge units are made up of one wide and one narrow component. They shall be packed 20 units per bundle with an equal number of right-hand and left-hand units (for alternating laps). Units shall be manufactured to a 4:12 pitch or steeper. Units shall be joined with not less than two fasteners applied between 1 and 8 inches from the butt. Either staples or nails are acceptable. Fasteners shall be corrosion resistant, spaced approximately 4 inches apart.

Inspection:
Each off-grade unit counts as 5 percent of the grade; more than two off-grade units per bundle shall preclude a passing grade.

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