

Architechural Specifications

I. MANUFACTURER:

Isaiah Industries, Inc.
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II. SCOPE

Work includes all labor, materials and equipment necessary to complete installation of Country Manor Shake aluminum roofing.

III. PRODUCTION INFO.

A. Product Design — All panels are designed for use in residential and light commerical applications with elevations up to 30 feet (9114 mm). For applications of a different nature, contact Perfection.

Height: 12" (304.8 mm)
Width: 48" (1219 mm)
Wt./Sq.: 46 lb.

Each Country Manor Shake panel is formed into eight individual simulated shakes of varying height, width and butt thickness to duplicate the random overlap appearance and three-dimensional effect of real cedar shakeds. The product's authentic appearance is further enhanced with a deep-rugged-looking grain formed into each of the eight individual shakes.

B. Finish — Country Manor Shake panels and factory formed accessories are formed with a two-coat, high performance Kynar 500 or Hylar 5000 coating, which includes a protective primer and baked-on high-performance topcoat that resists chalking, fading and deterioration.

C. Alloy and Temper — All aluminum panels and accessories are made of 3105-H26 aluminum sheet (minimum tensile strength 26,000 psi; minimum yield strength 22,000 psi) or equivalent.

D. Thickness — All panels have a nominal thickness of 0.019" (.483 mm).

IV. INSTALLATION

A. Fastening — Country Manor Shake panels are applied over minimum ½" plywood decking or equivalent. The system may also be applied over existing composition shingles (single or multi-layered), wood shingles or wood shakes with ¾" maximum butt thickness. In any case, the entire roof must be covered with a minimum of one layer of 30-lb. felt underlayment.

Country Manor Shake panels have a continuous nailing flange to provide for easy application. Panels are installed from left to right with left-hand end cuts as required to stagger the vertical joints between successive courses, enhancing the random appearance. Country Manor Shake panels should be attached with ring or screw shank aluminum mails that have a minimum shank diameter of 0.090" and a minimum head diameter of 0.215". Nails should provide a minimum of ¾" penetration, excluding point, into a solid nailing surface.

Minimum Acceptable Roof Pitch: 4:12 (101.6:304.8 mm) or, in non-snow areas, 3:12 (76.2:304.8 mm).

For weather protection and to imitate a joint between individual shakes, panels are locked together by engaging a formed lip on the left side of panels with a modified U-shaped water stop on the right side of the preceding panel. The concealed vertical lock hides the vertical joint, making it practically impossible to discern the interlock between full panels, no matter what the angle of sight. the top lock provides a continuous hooking lip for engagement with the bottom of each panel of succeeding courses. This type of snap-lock allows the panels to be installed like siding panels.

B. Dissimilar Materials — Aluminum materials should not be installed in

contact with dissimilar metals, concrete, stucco, asbestos siding, masonry or other corrosive nonmetallic materials that might be wet continually. To prevent problems with wood, use treatments such as creosote or zinc naphthanate pentachlorophenal (5% concentration).

To prevent chemical reactions from soil contaminants, do not install Country Manor Shake panels fewer than six inches above the soil line. Dissimilar materials should be painted or otherwise protected when they are in contact with aluminum or when drainage from them passes over aluminum. Do not permit water from copper flashing to drain over aluminum products.

V. CODE INFORMATION

Country Manor Shake aluminum roofing is listed with the following evaluation services:

- A. Underwriters Laboratories, Inc. listing as an approved fire-rated roof covering as Class A, B or C when applied using the specified underlayments and decking R5100(N).
- B. ICC ESR-1360 Internatioanl Code Council Evaluation Service
- C. State of Florida FL10687.2
- D. Texas Department of Insurance RC-53

NOTE: CSI Specifications are available upon request.