



SECTION 07 31 00
PREFABRICATED SHINGLE PANELS
Copyright 2015 - 2016 ARCAT, Inc. - All rights reserved

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Prefabricated cedar shingle panels and accessories for siding applications.

1.2 RELATED SECTIONS

- A. Section 06 11 16 - Mechanically Graded Lumber.

1.3 REFERENCES

- A. Cal Fire Wildland Urban Interface (W.U.I) 12-7a-1 tested and approved panel for High Severity Fire Zones. BML Listing # 8140:2023.0002

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Verification Samples: For each finish product specified, two samples, minimum size 2 feet (610 mm) long representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 30 year experience manufacturing similar products.
- B. Installer Qualifications: Minimum 2 year experience installing similar products.
- C. Evaluation Reports: The panels shall have evaluation reports (ER) from ICC-ESR 1862, State of Florida and Texas T.D.I. as assurance of quality and that they meet all applicable building codes.
- D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship is approved by Architect.
 - 3. Replace mock-up area as required to produce acceptable work.

1.6 PRE-INSTALLATION MEETINGS

- A. Convene minimum two weeks prior to starting work of this section.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Handle materials to avoid damage.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.9 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.10 WARRANTY

- A. Provide manufacturer's standard limited warranty against defects due to workmanship, manufacture or defective raw materials used in that manufacture, to the extent that such defective materials will be either repaired or replaced at the option of Cedar Valley Manufacturing, Inc.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Cedar Valley Manufacturing, Inc., which is located at: 943 San Felipe Rd.; Hollister, CA 95023; Toll Free Tel: 800-521-9523; Tel: 831-636-8110; Fax: 831-636-8109; Email: info@cedar-valley.com; Web: www.cedar-valley.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 PREFABRICATED SHINGLE PANELS

- A. Prefabricated Shingle Panels: Exterior sidewall system consisting of one course of Western Red Cedar tapered shingles bonded to 3/8 inch (9 mm) CDX plywood sheathing with galvanized steel staples and glue bead over a fiberglass matte laminate. Plywood shall be square cut on top and bottom to allow stackable installation. Panel ends shall have overlapping shingle design, which provides all vertical seams with weather tight lap.
 - 1. Shingle Material: 100% vertical grain Western Red Cedar tapered shingles 5/16 inch (7.9 mm) thickbutt shingles.
 - 2. Textures: Random Resawn.
- B. Panel: 7-1/8 Exposure Panels: Actual 96-1/4 inches (2445 mm) wide by 8.6 inches (219 mm) high (96 inches x 7-1/8 inches (2438 mm x 181 mm) net coverage) with one shingle course, with net surface coverage of 4.76 sq. ft. (0.44 sq. m) per panel, twenty-one panels per 100 sq. ft. (9.3 sq. m) (One Siding Square).
 - 1. Style: Even Buttline, Open Keyway.

2.3 TRIM

- A. Corners: Flush-mounting corner units are prefabricated of Western Red Cedar tapered shingles stapled to exterior plywood sheathing in "Boston Weave" construction. Manufactured and supplied in four different widths so, when alternated with each panel row the vertical corner line is eliminated. Corners shall be offered in 90 and 135-degree angles. No starter strip is required.

2.4 REGULATORY REQUIREMENT

- A. Approvals:
 - 1. State of Florida FL#7993.
 - 2. Texas T.D.I. EC-#53.
 - 3. California State Fire Marshall.
- B. Fire Resistance:
 - 1. Panel shall be listed and approved for use in Wildland Urban Interface (W.U.I) areas by the State Fire Marshall.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions and in proper relationship with adjacent construction.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION