

SECTION 07 46 00 -SIDING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Fiber-cement siding and accessories.

- B. Related Sections:

- 1. Division 06 Section "Rough Carpentry" for wood furring, grounds, nailers, and blocking.
 - 2. Division 06 Section "Sheathing" for wall sheathing and weather-resistive barriers.
 - 3. Division 06 Section "Exterior Finish Carpentry" for wood and wood-based sidings and for exterior trim.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

- B. LEED Submittals:

- 1. Product Data for Credits MR 3.1 and MR 3.2: For reused products (salvaged and/or refurbished), submit invoices and documentation indicating origin and actual material costs (taxes, fees, shipping, labor, profit, etc. not included) and estimated material costs if purchased brand new from manufacturer.
 - 2. Product Data for Credits MR 4.1 and MR 4.2: For products having recycled content, submit invoices and documentation from manufacturer indicating percentages (by weight) of post-consumer and pre-consumer recycled content. Include material costs (taxes, fees, shipping, labor, profit, etc. not included) for each product having recycled content.
 - 3. Manufacturing Data for Credits MR 5.1 and MR5.2: Submit invoices and documentation indicating location of manufacture and locations of extraction and/or harvest for each raw material sourced within 500 miles of the project site. Indicate method of calculating distance from location to project site.

- C. Samples for Verification: For each type, color, texture, and pattern required.

- 1. 12-inch- long-by-actual-width Sample of siding.

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2. 12-inch- (300-mm-) long Samples of trim and accessories.
- D. Product Certificates: For each type of siding, from manufacturer.
- E. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for fiber-cement siding.
- F. Maintenance Data: For each type of siding and related accessories to include in maintenance manuals.
- G. Warranty: Sample of special warranty.

1.4 QUALITY ASSURANCE

- A. Labeling: Provide fiber-cement siding that is tested and labeled according to ASTM C 1186 by a qualified testing agency acceptable to authorities having jurisdiction.
- B. Source Limitations: Obtain each type, color, texture, and pattern of siding, including related accessories, from single source from single manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Package for delivery to best protect finish surfaces while using the least amount of single-use packaging as possible. If possible, package and ship product using reusable blankets and fabrics or reusable cardboard and crate systems.
- B. Store materials in a dry, well-ventilated, weather-tight place. Keep materials protected against damage from weather, condensation, direct sunlight, construction traffic, and other causes.

1.6 COORDINATION

- A. Coordinate installation with flashings and other adjoining construction to ensure proper sequencing.

1.7 WARRANTY

- A. Special Warranty: Standard form in which manufacturer agrees to repair or replace siding that fails in materials or workmanship within specified warranty period.
 1. Failures include, but are not limited to, the following:
 - a. Structural failures including cracking, deforming, and fading.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 2. Fading is defined as loss of color, after cleaning with product recommended by manufacturer, of more than 7 Hunter color-difference units as measured according to ASTM D 2244.
 3. Warranty Period: 50 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 FIBER-CEMENT SIDING

- A. General: ASTM C 1186, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E 136; with a flame-spread index of 25 or less when tested according to ASTM E 84.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. CertainTeed Corp.; WeatherBoards Lap Siding.
 - b. James Hardie; HardiePlank Lap Siding.
 - c. MaxiTile, Inc; MaxiPlank.
 - 2. Horizontal Pattern: Boards 9-1/4 to 9-1/2 inches wide in Traditional/Textured style.
 - a. Texture: Smooth, factory primed.
 - 3. Factory Priming: Manufacturer's standard acrylic primer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of siding and related accessories.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrates of projections and substances detrimental to application.

3.3 INSTALLATION

- A. General: Comply with siding manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
 - 1. Do not install damaged components.
- B. Install fiber-cement siding and related accessories.
 - 1. Install fasteners no more than 24 inches o.c.
- C. Install joint sealants as specified in Division 07 Section "Joint Sealants" and to produce a weather-tight installation.

3.4 ADJUSTING AND CLEANING

- A. Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.

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- B. Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.

3.5 WASTE MANAGEMENT

- A. Separate waste in accordance with the Waste Management plan. Set aside and protect offcuts and remainder 12 inches long or greater for small infill areas or reuse by Owner; deliver to MRWMD's Last Chance Mercantile any sizable items not being reused on site.

END OF SECTION