

SECTION 07 46 46 - FIBER-CEMENT SIDING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Fiber-cement siding.
2. Fiber-cement trim.
3. Metal trim.

1.2 SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For fiber-cement siding including related accessories.
- C. Product certificates.

1.3 QUALITY ASSURANCE

- A. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and to set quality standards for fabrication and installation.
1. Build mockup of typical wall area as shown on Drawings.

1.4 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace products that fail in materials or workmanship within specified warranty period.
1. Warranty Period: 30 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.
- B. Products:

1. James Hardie Building Products, Inc.; Artisan V Groove.
 - a. Climate Zone: Provide HardieZone HZ5 or HZ10 depending on location of project. Verify with manufacturer.
- C. 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.
- D. Nominal Thickness: Not less than **0.625 inch (16 mm)**.
- E. Board Length: Minimum **12 feet (3.66 m)**.
- F. Horizontal Pattern: Boards **8-1/4 inches (210 mm)** wide with V groove.
- G. Texture: Smooth.
- H. Factory Priming: Manufacturer's standard acrylic primer.

2.2 FIBER-CEMENT TRIM

- 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.
- B. Basis-of-Design Product: James Hardie Building Products, Inc.: HardieTrim Boards.
 1. Climate Zone: Provide HardieZone HZ5 or HZ10 depending on location of project. Verify with manufacturer.
- C. Nominal Thickness: **3/4 inch (19 mm)**.
- D. Width: As indicated on Drawings or if not indicated, as required for intended function.
- E. Texture: Smooth.
- F. Finish: Factory primed.

2.3 METAL TRIM

- A. General: Extruded aluminum trim complying with Aluminum Association (AA).
- B. Basis-of-Design Product: R.H. Tamlyn & Sons, LP; Xtreme or a comparable substitution by one of the following:
 1. Fry Reglet Corporation.
- C. Material: Extruded aluminum **ASTM B221 (ASTM B221M)**, Alloy 6063-T5.
- D. Thickness: **0.050 inches (1.3 mm)**.

- E. Size and Profile: As indicated on Drawings.
- F. Finish: Manufacturer's standard prime finish for field painting.

2.4 ACCESSORIES

- A. Siding Accessories, General: Provide starter strips, edge trim, outside and inside corner caps, and other items as recommended by siding manufacturer for building configuration.
- B. Butt Joint Flashing: Proprietary plastic, 20-year UV-rated, precut, self-adhering sheet.
 - 1. Product: Bear Cub Industries, LLC; Bear Skin.
 - 2. Size: 6 inches (152 mm) by 12 inches (305 mm).
 - 3. Thickness: 4 mil (0.1016 mm).
- C. Fasteners:
 - 1. For fastening to metal, use hot-dip galvanized ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch (6 mm), or three screw-threads, into substrate.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
- B. Install fiber-cement siding and related accessories.
 - 1. Install butt joint flashing at each butt joint per manufacturer's recommendations.
 - 2. Install fasteners no more than 24 inches (600 mm) o.c.
- C. Install joint sealants as specified in Section 079200 "Joint Sealants" and to produce a weathertight installation.

3.2 ADJUSTING AND CLEANING

- A. Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.
- B. Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.

END OF SECTION 07 46 46

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