

SECTION 07 4600 – FIBER CEMENT BOARD SIDING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes fiber-cement siding.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Samples: For siding including related accessories.
- C. Qualification Data: For qualified vinyl siding Installer.
- D. Product certificates.
- E. Product test reports.
- F. Research/evaluation reports.
- G. Warranty: Sample of special warranty.
- H. Maintenance data.

1.3 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.
- C. Preinstallation Conference: Conduct conference at the project site.

1.4 WARRANTY

- A. Special Warranty: Standard form in which manufacturer agrees to repair or replace siding that fail(s) in materials or workmanship within specified warranty period.
 - 1. Warranty Period: 15 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 available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 2. Basis-of-Design Product: Subject to compliance with requirements, provide James Hardie, HardiePanel and Vertical Batten Board Fiber Cement Siding; or comparable product by one of the following:
 - a. Cemplank.
 - 3. Batten Pattern: Vertical Batten Boards, 2-inch nominal width.
 - a. Texture: 'Rough' Wood grain.
 - 4. Panel Texture: 48-inch- (1200-mm-) wide sheets with wood-grain texture.
 - 5. Factory Priming: Manufacturer's standard acrylic primer for field finish specified in Div 9 – Painting.

2.2 FIBER-CEMENT SOFFIT

- 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. Basis-of-Design Product: Subject to compliance with requirements, provide James Hardie, Fiber Cement Soffit Boards (Vented); or comparable product by one of the following:
 - a. Cemplank.
 - 2. Panel Texture: smooth texture.
 - 3. Venting: provide perforated soffit panels
 - 4. Factory Priming: Manufacturer's standard acrylic primer for field finish specified in Div 9 – Painting.

2.3 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.

1. Provide accessories made from same material as, matching color and texture of adjacent siding unless otherwise indicated.
- B. Flashing: Provide aluminum flashing complying with Section 076200 "Sheet Metal Flashing and Trim" at window and door heads and where indicated.
 1. Finish for Aluminum Flashing: High-performance organic finish, same color as siding.
- C. Fasteners:
 1. For fastening to wood, use siding nails or ribbed bugle-head screws of sufficient length to penetrate a minimum of 1 inch (25 mm) into substrate.
 2. For fastening to metal, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch (6 mm), or three screw-threads, into substrate.
 3. For fastening fiber cement, use stainless-steel fasteners.

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 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.
 2. Center nails in elongated nailing slots without binding siding to allow for thermal movement.
- B. Install fiber-cement siding and related accessories.
 1. Install fasteners no more than 12 inches o.c. or as recommended by mfg.
- C. Install joint sealants as specified in Section 079200 "Joint Sealants" and to produce weathertight installation.

3.3 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 4600