

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

SECTION 07460

FIBER-CEMENT BOARD SIDING, TRIM AND SOFFIT PANELS

PART 1 – GENERAL

- A. Work under this section is subject to the provisions of the contract documents that in any way affect the work specified herein.

1.1 Scope

- A. Furnish and install Hardiplank fiber-cement siding or equivalent where shown on drawings or as specified herein.
- B. Coordinate this section with interfacing and adjoining work for proper sequence of installation.
- C. Work in other sections affecting this work.
 - 1. Wood framing and bracing 06100

1.2 Quality Assurance

- A. Submittals: within sixty (60) days of owner's notice
 - 1. Submit three 6 inch X 6 inch pieces of claddings in texture and widths shown and specified herein.
 - 2. Submit three copies of specifications, installation data and other pertinent manufacturer's literature.

1.3 Product Handling

- A. Stack cladding on edge or lay flat on a smooth, level surface. Protect edges and corners from chipping. Store sheets under cover and keep dry prior to installing.

1.4 Job Conditions

- A. Nominal framing as indicated on the drawings at gables only selected for minimal shrinkage and complying with local building codes, including the use of weather-resistive barriers and/or vapor barriers where required. Minimum 1 ½ inch face and straight, true, of uniform dimensions and properly aligned.
- B. Install weather-resistive barriers and claddings to dry surfaces.
- C. Repair any punctures or tears in the weather-resistive barrier prior to the installation of the siding.
- D. Protect siding from other trades.

1.5 Warranty

- A. 50 year limited product warranty against manufacturing defects.
- B. Workmanship: Application limited warranty for one year.

PART 2 - PRODUCTS

- 1.6 Fiber –cement Siding (Hardiplank cladding: Hardiplank cladding is listed here in order to establish product industry standards only. Equivalent products meeting these standards may be used upon approval of the architect and owner.)

- A. Non-asbestos fiber-cement siding to comply with ASTM Standard Specification C 1186 Grade II, Type A.
- B. Siding to meet the following building code compliance National Evaluation Report No. NER 405 (BOCA, ICBO, SBCCI); City of Los Angeles, Research Report No. 24862; Metro Dade County, Florida Acceptance No. 94-1234.04; US Department of Housing and Urban Development Materials Release 1263a; California DSA PS-019; and City of New York MEA 223-93-M. Non-asbestos fiber-cement siding to be non-combustible when tested in accordance with ASTM test method E136.
- C. Type: (Smooth 6 ¼" w / 5" EXP)
- D. Provide all exterior wall and window trim pieces and soffit panels as shown on drawings.

1.7 Fasteners

- A. Wood framing: 0.121" shank x 0.371" head x 1 ¼" corrosion resistant siding nails.

- B. Concrete Walls: Erico Stud Nail, ET&F ASM No.144-125, 0.14" shank x 0.30" head x 2" corrosion resistant nail.

PART 3 - EXECUTION

1.8 Surface Conditions

- A. Correct conditions detrimental to timely and proper completion of work.

1.9 Installation – Fiber-cement Siding

- A. Starting: Install a minimum ¼ inch thick lath starter strip at the bottom course of the wall. Apply planks horizontally with minimum 1 ¼ inch wide laps at the top. The bottom edge of the first plank overlaps the starter strip.
- B. Allow minimum 1 inch vertical clearance between roofing and bottom edge of siding.
- C. Align vertical joints of the planks over framing members.
- D. Maintain clearance between siding and adjacent finished grade.
- E. Locate splices at least one stud cavity away from window and door openings.
- F. Use off-stud metal joiner when vertical joints occur between framing members. Position metal joiner so that the bottom lip is resting on the solid course of planks. Fasten plank to the framing. Position and fasten abutting plank into place insuring that the lower edges of the two planks align. Locate metal joiner centrally behind the joint. Locate off-stud splices a minimum 24 inch intervals when located in the same wall cavity.
- G. Wind resistance: Where a specified level of wind resistance is required Hardiplank lap siding is installed to framing members and secured with fasteners described in Table No. 2 in National Evaluation Service Report No. NER-405.
- H. Install all fiber cement siding, trim and soffit panels over minimum ½" treated exterior plywood sheathing.

1.10 Finishing

- A. Finish unprimed siding with minimum one coat high quality, alkali-resistant primer and one coat of either 100% acrylic or latex or oil based, exterior grade topcoat or two coats high quality, alkali-resistant, 100% acrylic or latex, exterior grade topcoat within 90 days of installation. Follow paint manufacturer's written product recommendation and written application instructions.

END OF SECTION - 07460