

SECTION 074610 - FIBER-CEMENT 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 board siding.
 - 2. Fiber-cement shingle siding.

- 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, fiber-cement panels and fiber-cement exterior trim.
 - 4. Division 07 Section "Self-Adhering Sheet Waterproofing" for substrate flashings and transitions.
 - 5. Division 07 Section "Water Resistive Barrier / Air Barrier" for weather barrier substrate.

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. Samples for Verification:
 - 1. 12-inch- (300-mm-) long-by-actual-width Sample of board siding.
 - 2. 4 full size pieces of selected shingle siding product.
- C. Qualification Data: For qualified siding Installer.
- 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. Research/Evaluation Reports: For each type of siding required, indicating compliance with requirements of the authorities having jurisdiction.

- G. Maintenance Data: For each type of siding and soffit and related accessories to include in maintenance manuals.
- H. 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 siding, including related accessories, from single source from single manufacturer.
- C. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.
 - 1. Build mockups for siding including accessories.
 - a. Include outside corner on one end of mockup and inside corner on other end.
 - 2. Acceptance of mockups does not constitute acceptance of deviations from the Contract Documents contained in mockups unless Architect specifically accepts such deviations in writing.
 - 3. Accepted mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- D. Preinstallation Conference: Conduct conference at Project site.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store materials in a dry, well-ventilated, weathertight place.

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 and soffit that fail(s) in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including cracking, deforming.
 - 2. Warranty Period: 10 years from date of Substantial Completion.

1.8 EXTRA MATERIALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Furnish full lengths of siding and soffit including related accessories, in a quantity equal to 2 percent of amount installed.

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:
 - a. Boral Building Products (Basis of Design).
 - b. Cemplank.
 - c. CertainTeed Corp.
 - d. GAF Materials Corporation.
 - e. James Hardie.
 - f. Nichiha Fiber Cement.
 - 2. Horizontal Pattern: Lap siding boards installed with 6" and 10" exposure as indicated.
 - a. Texture: Wood grained texture.
 - 3. Shingle Pattern: Shingle pattern siding panels as indicated.
 - a. Texture: Wood grained texture.
 - 4. Factory Priming: Manufacturer's standard acrylic primer.

2.2 ACCESSORIES

- A. Decorative Accessories: Provide the following fiber-cement decorative accessories as indicated:
 - 1. Corner posts and trim boards.
 - 2. Door and window casings.
 - 3. Moldings and trim.

- B. Flashing: Provide flashing complying with Division 07 Section "Sheet Metal Flashing and Trim" at window and door heads and where indicated.
- C. Fasteners:
 - 1. For fastening fiber cement, use hot-dip galvanized fasteners complying with manufacturer's directions.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of siding and soffit 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.
 - 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 24 inches (600 mm) o.c. and according to manufacturer's directions and applicable requirements of the authorities having jurisdiction.
- C. Install joint sealants as specified in Division 07 Section "Joint Sealants" and to produce a weathertight installation.

3.4 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.

GRAND OAKS APARTMENTS
LEE COUNTY, FL
FK PROJECT No. 5331

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PRICING SET

END OF SECTION 074600