

SECTION 07 46 46 - FIBER-CEMENT SIDING ~~AND WALL PANELS~~

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Fiber-cement ~~plank and~~ panel siding.
2. Fiber-cement soffit.
3. Fiber-cement trim.

B. Related Sections:

1. Section 06 16 00 "Sheathing" for wall sheathing and weather-resistive barriers.

1.2 ACTION 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: For each type, color, texture, and pattern required.
1. 12-inch- (300-mm-) long-by-actual-width Sample of siding.
 2. 12-inch- (300-mm-) long-by-actual-width Sample of soffit.
 3. 12-inch- (300-mm-) long-by-actual-width Samples of trim and accessories.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified siding Installer. Include project list, with references and photographs for at least one project.
- B. Warranty: Sample of special warranty.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of siding and soffit and related accessories to include in maintenance manuals.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- 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.

1.6 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.

Polytech Associates, Inc.
VA Project 662-622
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Machine Shop Rehabilitation/
New Modular Office Space
25 Liberty Ship Way, Sausalito

- B. Siding Installer Qualifications: An experienced installer with not less than three projects within five years of similar scope and complexity to the Work.
- 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 mockup of typical wall area as shown on Drawings.
 - 2. Build mockups for siding and soffit including accessories.
 - a. Size: 48 inches (1200 mm) long by 60 inches (1800 mm) high.
 - b. Include outside corner on one end of mockup.
 - 3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 - 4. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- D. Preinstallation Conference: Conduct conference at Project site.

1.7 DELIVERY, STORAGE, AND HANDLING

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

1.8 COORDINATION

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

1.9 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.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 2. 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: ~~Subject to compliance with requirements, provide products by the following manufacturers, or comparable by other manufacturers:~~
 - 1. James Hardie; vertical panelboard siding in Select Cedarmill texture texture and profile shown on Drawings, and panel siding, with HardiepanelReveal 2.0 Rainscreen System.

~~2. Allura; board siding in texture and profile shown on Drawings, and panel siding with Easy Trim reveals.~~

~~a. James Hardie; smooth profiles indicated in Drawings.~~

~~2.~~

~~2. Panel Siding Product: James Hardie; Reveal 2.0 Rainscreen System.~~

2. Factory ~~Finish~~Priming: Manufacturer's standard acrylic finish in color selected by Architect from manufacturer's full range~~primer~~.

C. Alternate Bid: ~~Subject to compliance with requirements, provide the following:~~

~~1. Board Siding Product: Allura; smooth profiles indicated in Drawings.~~

~~2.1.~~ Panel Siding Product: Allura Cement Fiber Boards with Easy Trim reveals.

~~3.2.~~ Factory ~~Finish~~Priming: Manufacturer's standard acrylic finish in color selected by Architect from manufacturer's full range~~primer~~.

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. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. CertainTeed Corp.

b. James Hardie.

B. Pattern: 12-inch- (300-mm-), 16-inch- (400-mm-), or 24-inch- (600-mm-) wide sheets with smooth texture.

C. Ventilation: Perforated soffit.

D. Factory ~~Finish~~Priming: Manufacturer's standard acrylic finish, matching siding~~primer~~.

2.3 ACCESSORIES

A. Decorative Accessories: Provide the following fiber-cement decorative accessories as indicated:

1. Fiber Cement Moldings and Trim: Profiles indicated in Drawings, primed for field painting.

B. Aluminum Reveals: Standard for panel rainscreen product indicated, in finish selected by Architect.

C. Colors for Decorative Accessories: As selected by Architect from manufacturer's full range of industry colors.

D. Flashing: Provide factory painted galvanized steel sheet flashing complying with Section 07 62 00 "Sheet Metal Flashing and Trim"~~at window and door heads and where indicated.~~ Provide continuous Z flashing at horizontal joints.

E. Insect Screen: Use manufacturer's standard insect screen at exposed horizontal panel joints above Z flashing.

E-F. Fasteners:

1. For fastening fiber cement, use SFS color match stainless steel screws matching panel color~~hot dip galvanized fasteners~~.
2. For fastening reveals and trim, use manufacturer's recommended fasteners, ~~hot dip galvanized or~~ stainless steel.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. 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 and soffit 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 soffit and related accessories.
 1. Install fasteners no more than 24 inches (600 mm) o.c.
- C. Install joint sealants as specified in Section 07 92 00 "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.

END OF SECTION 07 46 46