

PART 1 GENERAL**1.01 SECTION INCLUDES**

- A. Fiber-cement siding.

1.02 RELATED REQUIREMENTS

- A. Section 06 1000 - Rough Carpentry: Siding substrate.
- B. Section 07 2500 - Weather Barriers: Weather barrier under siding.
- C. Section 07 3113 - Asphalt Shingles
- D. Section - Joint Sealers.

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Submit manufacturer's data sheets on each product to be used, including:
 - 1. Manufacturer's requirements for related materials to be installed by others.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Installation methods, including fastener patterns.
- C. Shop Drawings: Indicating panel layout, fastening, support and edge treatment details.
- D. Samples for Verification: Submit one sample minimum 4-inches by 6-inches of each color and finish specified.
- E. Test Report: Applicable model code authority evaluation report (e.g. ICC-ES).

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified in this section with minimum three years of experience.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store products under waterproof cover and elevated above grade, on a flat surface.
- B. Plastic should be removed if material is to be stored for a long period of time.
- C. Storage area should be well ventilated.
- D. Condensation on sheets under shrink wrap should be avoided.
- E. Care is to be taken to protect the edges of material from damage on construction site.

PART 2 PRODUCTS**2.01 FIBER-CEMENT SIDING**

- A. Panel Siding: Horizontally-oriented panels made of cement and cellulose fiber formed under high pressure with integral surface texture, complying with ASTM C 1186 Type A Grade II; with machined edges, for screw attachment.
 - 1. Product: Eter Color by Euro Panel: Foundry Service & Supplies, Inc.
www.foundryservice.com
 - 2. Size: As indicated on drawings.
 - 3. Thickness: 5/16 inch, nominal.
 - 4. Finish: Factory applied sealant. Field applied on cut edges.
 - 5. Color 1: As selected from manufacturer's standard range.
 - 6. Color 2: As selected from manufacturer's standard range.
 - 7. Warranty: 50 year limited; transferable.
- B. Soffit Panels: Panels made of cement and cellulose fiber formed under high pressure with integral surface texture, complying with ASTM C1186, Type A, Grade II; with machined edges, for nail attachment.
 - 1. Texture: Smooth.
 - 2. Length: 96 inches, nominal.
 - 3. Width: 48 inches.

4. Thickness: 5/16 inch, nominal.
5. Finish: Factory applied color.
6. Color: As selected by Architect from manufacturers full range of available colors.
7. Manufacturer:
 - a. James Hardie Building Products, Inc - ColorPlus Technology: www.jameshardie.com

2.02 ACCESSORIES

- A. Fasteners, sealants, extrusions, furring strips, and rubber gasket fillet material to be in accordance with manufactures written rules for installing and fastening exterior fiber cement cladding.
- B. Furring Strips: As indicated in drawings.
- C. Trim: Same material and texture as siding and soffit.
- D. Fasteners: Screws and Astro rivets to be stainless steel as specified in manufacturers written rules; length as required to penetrate minimum 1-1/4 inch.
- E. Exterior Soffit Vents: One piece, perforated, ASTM B221 (ASTM B221M), 6063 alloy, T5 temper, aluminum, with edge suitable for direct application to gypsum board and manufactured especially for soffit application, and provide continuous vent.
- F. Joint Sealer: 3-1/2-inch EDPM rubber strips.
- G. Joint Sealer: As specified in Section .

PART 3 EXECUTION

3.01 EXAMINATION

- A. All framing must be straight, plumb, true, and provide a firm support for the panels.
- B. Refer to the manufacturer's recommendations for spacing of wood furring for the type of fiber cement board specified and its intended use.
- C. Examine substrate, clean and repair as required to eliminate conditions that would be detrimental to proper installation.
- D. Verify that weather barrier has been installed over substrate completely and correctly.
- E. Do not begin until unacceptable conditions have been corrected.
- F. Install sheet metal flashing as indicated on drawings.
- G. If substrate preparation is responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions and recommendations.
 1. Read warranty and comply with terms necessary to maintain warranty coverage.
 2. Install in accordance with conditions stated in model code evaluation report applicable to location of project.
 3. Use trim details indicated on drawings.
 4. Touch up and or seal all field cut edges per manufacturer's written instructions before installing.
 5. Pre-drill nail holes if necessary to prevent breakage.
- B. Over weather barrier: Install furring strips as indicated on drawings. Leave space at top and bottom open; top may be behind soffit; at bottom install insect screen over opening by wrapping a strip of screen over bottom ends of vertical furring channels.
- C. Allow space between both ends of siding panels (as indicated in drawings) that butt against trim for thermal movement; seal joint between panel and trim with exterior grade sealant.
- D. Joints in Vertical Siding: Install Z-flashing in horizontal joints between successive courses of vertical siding as indicated in drawings.

- E. Exterior Soffit Vents: Install according to manufacturer's written instructions and in locations indicated on drawings, and provide vent area specified.

3.03 PROTECTION

- A. Protect installed products until Date of Substantial Completion.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION