

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fiber cement siding.
- B. Trims, flashings, furrings, accessories, and fastenings.

1.2 RELATED REQUIREMENTS

- A. Section 01 40 10 - The Air Barrier System:
- B. Section 01 40 13 - Freestanding Mockup:
- C. Section 06 10 00 - Rough Carpentry: Wall framing.
- D. Section 07 19 00 - Water Repellent & Anti-Graffiti Treatment.
- E. Section 07 25 00 - Weather Barriers: Weather barrier under siding.
- F. Section 07 46 13 - Siding Support System: siding support system components
- G. Section 07 92 00 - Joint Sealants: Sealing joints between siding and adjacent construction and fixtures.
- H. Section 09 21 16 - Gypsum Board Assemblies: Siding substrate.

1.3 REFERENCE STANDARDS

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
- B. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- C. ASTM C1186 - Standard Specification for Flat Fiber Cement Sheets; 2008 (Reapproved 2012).

1.4 SUBMITTALS

- A. Comply with Section 01 30 00 - Administrative Requirements.
- 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 nail patterns.
- C. Samples: Submit four (4) samples 12 x12 inch in size illustrating surface texture.
- D. Maintenance Instructions: Periodic inspection recommendations and maintenance procedures.
- E. Installer Qualifications: Provide written documentation of individuals installing products indicating required experience level below.
- F. Warranty: Submit copy of manufacturer's warranty, made out in Owner's name, showing that it has been registered with manufacturer.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified in this section with minimum 3 years of documented experience with commercial projects.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products under waterproof cover and elevated above grade, on a flat surface.

1.7 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

1.8 WARRANTY

- A. Panels, Lap Board, Shingles and Shingle Panels shall carry a manufacturer's written warranty as follows: 10 year non-pro-rated limited warranty
- ~~B. Wall Panel and Support System Warranty: Provide a jointly written warranty by manufacturer of the specified wall cladding panel system and support system installer, agreeing to correct defects in manufacturing or installation within a five year period after Date of Substantial completion.~~

PART 2 PRODUCTS

2.1 SIDING

- A. Panel Siding: Vertically oriented panels made of cement and cellulose fiber formed under high pressure with smooth surface texture, complying with ASTM C1186, Type A, Grade II; with machined edges, for screw attachment.
1. Length (Height): 98 inches (2500mm) & 124 inches (3150mm) panel lengths.
 2. Width: 48 inches (1220 mm).
 3. Thickness: 5/16 inch, nominal (8mm).
 4. Finish: Unfinished. Seal backside of cementitious panels.
 5. Warranty : 10 years
 6. Panel Siding Manufacturers:
 - a. American Fiber Cement Corporation: Minerit HD (Raw) Facade Boards, www.americanfibercement.com

2.2 ACCESSORIES

- A. Metal Furring Channels: 16 ga. galvanized metal furring channels, painted black to where exposed through panel joints.
- B. Fasteners: Stainless Steel; length as required to penetrate minimum 1-1/4 inch.
- C. Joint Sealer: As specified in Section 07 92 00.
- D. Insect Screen: Galvanized metal screen.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine substrate, clean and repair as required to eliminate conditions that would be detrimental to proper installation.

- B. Verify that weather barrier has been installed over substrate completely and correctly.
- C. Do not begin until unacceptable conditions have been corrected.
- D. If substrate preparation is responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Install Sheet Metal Flashing:
 - 1. Above door and window trim and casings.
 - 2. Install sealant to all six surfaces of each panel. Seal field cuts and fastener holes.

3.3 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. Pre-drill nail holes if necessary to prevent breakage.
- B. Install siding panels over vertical furring channels to provide 1-inch air space. Coordinate with metal flashing to allow 3/4-inch clear venting of base and top of walls and at window and door openings as indicated on Drawings.
- C. Do not install siding less than 6 inches from surface of ground nor closer than 1 inch to roofs, patios, porches, and other surfaces where water may collect.
- D. After installation, seal joints; seal around penetrations and seal cut edges.
- E. Apply water repellent over exterior face of siding panels after installation, per manufacturer instructions.
- F. Apply anti-graffiti treatment over water repellent up to horizontal panel joint at 10'-6" above Level 1 floor elevation, per manufacturer instructions.

3.4 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