

## SECTION 074600

### VINYL SIDING

#### PART 1 - GENERAL

##### 1.1 STIPULATIONS

- A. The specifications sections “General Conditions of the Construction Contract,” “Special Conditions,” and “Division 1 – General Requirements” form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

##### 1.2 SUMMARY

- A. Section Includes:
  - 1. Vinyl siding.
  - 2. Vinyl soffit.
  - 3. Vinyl skirting

##### 1.3 SUBMITTALS

- A. Make submissions in accordance with Division 1 Specifications and ‘SCHEDULE OF MATERIAL SUBMITTALS’, attached at the end of the Specifications.
- B. No deviations, substitutions or changes of materials, to be incorporated into this project, shall be made after approval by the Department, except for written direction by and the approval of the manufacturer of a specific item and re-approval by the Department.
- C. The Department retains the right to require additional items not specifically denoted to be submitted for approval and/or additional clarification.

##### 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. Vinyl Siding Installer Qualifications: A qualified installer who employs a VSI-Certified Installer on Project.
- C. Vinyl Siding Certification Program: Provide vinyl siding products that are listed in VSI's list of certified products.
- D. Source Limitations: Obtain siding and soffit, including related accessories, from single source from single manufacturer.

## 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, and fading.
  - 2. Fading is defined as loss of color, after cleaning with product recommended by manufacturer, of more than 4 Hunter color-difference units as measured according to ASTM D 2244.
  - 3. Warranty Period: 10 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 VINYL SIDING

- A. General: Integrally colored vinyl siding complying with ASTM D 3679.
  - 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. Alcoa Home Exteriors, Inc.
    - b. CertainTeed Corp.
    - c. Crane Performance Siding.
    - d. Owens Corning.
    - e. "Or Approved Equal."
- B. Horizontal Pattern: 8-inch exposure in Dutch-lap, double, 4-inch board style.
- C. Texture: Smooth.
- D. Nominal Thickness: 0.040 inch.
- E. Minimum Profile Depth (Butt Thickness): 1/2 inch or 5/8 inch.
- F. Nailing Hem: Double thickness.
- G. Finish:

1. Colors: As selected by Government Design Professional from manufacturer's full range of industry colors.

## 2.2 VINYL SOFFIT

- A. General: Hidden Vented and Solid vinyl soffit complying with ASTM D 4477.
- B. Texture: Smooth
- C. Panel Projection: 1/2 inch or 5/8 inch.
- D. Nominal Thickness: 0.040 inch.
- E. Finish:
  1. Colors: As selected by Government Design Professional from manufacturer's full range of industry colors.

## 2.3 VINYL SKIRTING

- A. General: Vented vinyl skirting complying with ASTM D 4477.
- B. Texture: Smooth
- C. Panel Projection: 1/2 inch or 5/8 inch.
- D. Nominal Thickness: 0.040 inch.
- E. Finish:
  1. Colors: As selected by Government Design Professional from manufacturer's full range of industry colors.

## 2.4 ACCESSORIES

- A. Siding Accessories, General: Provide starter strips, edge trim, outside and inside corner caps, and other items as recommended by siding manufacturer for building configuration.
  1. Provide accessories made from same material as matching color and texture of adjacent siding unless otherwise indicated.
- B. Vinyl Accessories: Integrally colored vinyl accessories complying with ASTM D 3679 except for wind-load resistance.
  1. Texture: Smooth.
- C. Fasteners:
  1. For fastening to wood, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1 inch into substrate.
  2. For fastening to metal, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch (6 mm), or three screw-threads, into substrate.

3. For fastening vinyl, use hot-dip galvanized fasteners. Where fasteners will be exposed to view, use prefinished aluminum fasteners in color to match item being fastened.

### 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 and soffit 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 vinyl siding accessories according to ASTM D 4756.
  1. Install fasteners for horizontal vinyl siding no more than 16 inches o.c.
- 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.

END OF SECTION