



## SECTION 07464

### SIMULATED WOOD SIDING

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Solid Vinyl Siding.
- B. Vinyl Accessories and Trim.
- C. Vinyl Soffits.

##### 1.2 RELATED SECTIONS

- A. Section 06100 - Framing and Sheathing.
- B. Section 07260 - Vapor Retarders.
- C. Section 07900 - Joint Sealers.

##### 1.3 REFERENCES

- A. ASTM D 3679 – Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding.
- B. ASTM D 4477 – Specification for Rigid (Unplasticized) Poly(Vinyl Chloride) (PVC) Soffit.
- C. ASTM D 5206 – Standard Wind load Resistance Test.
- D. ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials.
- E. ASTM E 119 – Standard Test Methods for Fire Tests of Building Construction and Materials.

##### 1.4 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Code compliance in accordance with the following:
  - 1. IBC and IRC
  - 2. ICC Evaluation Service
  - 3. CCMC
  - 4. State of Florida
- B. PVC Fire Resistance: Provide vinyl siding products that meet or exceed the following ratings:
  - 1. Flame spread index <25, smoke development rating <450, per ASTM E 84.

2. Fire endurance classification of 1 hour, per ASTM E 119 in a wall assembly.

#### 1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  1. Preparation instructions and recommendations.
  2. Storage and handling requirements and recommendations.
  3. Installation methods.
- C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- D. Verification Samples: For each finish product specified, two samples, minimum size 12 inches (300 mm) long, representing actual product, color, and patterns.
- E. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

#### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Provide installer with not less than three years of experience with products specified or has obtained Master Craftsman credentials from CertainTeed.
- B. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  1. Finish areas designated by Architect.
  2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
  3. Refinish mock-up area as required to produce acceptable work.
  4. Accepted mock-ups shall be comparison standard for remaining Work

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store products flat, under cover in manufacturer's unopened packaging until ready for installation.
- B. Stack no more than 12 boxes high.
- C. Do not store in location where temperatures may exceed 130 degrees F.

#### 1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

#### 1.9 WARRANTY

- A. Provide manufacturer's standard limited warranty on siding products, transferable to new owners.

### PART 2 PRODUCTS

## 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Vytec Corporation, P.O. Box 860, Valley Forge, Pennsylvania 19482. ASD. Tel: (800) 233-8990. Fax: (610) 341-7940; Email: ctsiding@certainteed.com; Web: www.certainteed.com.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

## 2.2 MATERIALS

- A. Provide siding, soffit and accessory materials that:
  - 1. Provide elongated nailing slots on nailing flanges to allow for movement.
  - 2. Provide factory-notch ends of horizontal panels to form overlapping joints.
  - 3. Meet weathering requirements of ASTM D 1435.
  - 4. Meet all requirements of ASTM D 3679.

## 2.3 VINYL SIDING AND TRIM

- A. Vinyl Siding Type \_\_\_\_\_:
  - 1. Acceptable Product:
    - a. Vytec Prestige D4.5 Vinyl Siding.
    - b. Vytec Prestige D4.5 DL Vinyl Siding.
    - c. Vytec Prestige D5 DL Vinyl Siding.
  - 2. Product Description:
    - a. Double 4-1/2 inch (114 mm) Traditional, Low Gloss, Oak wood grain finish.
    - b. Double 4-1/2 inch (114 mm) Dutch Lap, Low Gloss, Oak wood grain finish.
    - c. Double 5 inch (127 mm) Dutch Lap, Low Gloss, Oak wood grain finish.
    - d. Double rolled over nail hem.
  - 3. Physical Characteristics:
    - a. Average Thickness: 0.044 inch (1.11 mm), plus or minus 0.001 inch (.025 mm).
    - b. Butt height:
      - 1) .560 inch (14.22 mm) – D4.5, nominal.
      - 2) .500 inch (12.7 mm) – D4.5 DL, nominal.
      - 3) .650 inch (16.51 mm) – D5 DL, nominal.
    - c. Piece length:
      - 1) 12 feet 11-1/8 inch (3.94 m) – D4.5 & D4.5 DL nominal.
      - 2) 12 feet 11-1/2 inch (3.94 m) – D5, nominal.
    - d. Exposure:
      - 1) 9 inches (228 mm) – D4.5 & D4.5 DL nominal.
      - 2) 10 inches (250 mm) – D5, nominal.
  - 4. Color: As selected by Architect from manufacturer's standard colors.
  - 5. Color shall be as follows:
    - a. Clipper Gray.
    - b. Twilight Gray.
    - c. Tundra Moss.
    - d. Southwestern Sand.
    - e. Sierra Brown.
    - f. Lakeshore Blue.
    - g. White.
    - h. Autumn Leaf.

- i. Irish Linen.
- j. Spring Meadow.
- k. Country Almond.
- l. Antique Ivory.
- m. Canyon Ridge.
- n. Autumn Ash.
- o. Desert.
- p. Castle Stone.
- q. Forest.
- r. Harbor.
- s. Redwood.
- t. Shoreline.
- u. Smokestone.

B. Vinyl Siding Type\_\_\_\_\_:

1. Acceptable Product:
  - a. Vytec Proside LG D4.5 Vinyl Siding.
  - b. Vytec Proside LG D4.5 DL Vinyl Siding.
  - c. Vytec Proside LG D4.0 Vinyl Siding.
  - d. Vytec Proside LG Single row 8 inch Vinyl Siding.
2. Product Description:
  - a. Double 4-1/2 inch (114 mm) Traditional, Low Gloss, Single row nailing hem, Maple wood grain finish.
  - b. Double 4-1/2 inch (114 mm) Dutch Lap, Low Gloss, Single row nailing hem, Maple wood grain finish.
  - c. Double 4.0 inch (102 mm) Traditional, Low Gloss, Single row nailing hem, Maple wood grain finish.
  - d. Single row 8 inch (204 mm) Traditional, Regular Gloss, Single row nailing hem, Maple wood grain finish.
3. Physical Characteristics:
  - a. Average Thickness:
    - 1) 0.042 inch (1.06 mm), plus or minus 0.001 inch (.025 mm)-D4.5 and D4.5.
    - 2) DL 0.045 inch, plus or minus 0.001 inch (.025 mm) - Single row 8 inch (204 mm).
  - b. Butt height:
    - 1) .560 inch (14.22 mm) – D4.5 and D4, nominal.
    - 2) .440 inch (11.17 mm) – D4.5 DL, nominal.
    - 3) .650 inch (16.51 mm) - Single row 8 inch (204 mm), nominal
  - c. Piece length:
    - 1) 12 feet 11-1/8 inch (3.94 m) – D4.5 and D4.5 DL, nominal.
    - 2) 12 feet 3-5/8 inch (3.75 m) – 8 inch (204 mm) and D4, nominal.
  - d. Exposure:
    - 1) 9 inches (228 mm) – D4.5 and D4.5 DL, nominal.
    - 2) 8 inches (203 mm)- 8 inch and D4, nominal.
4. Color: As selected by Architect from manufacturer's standard colors.
5. Color shall be as follows:
  - a. Antique Ivory.
  - b. White.
  - c. Autumn Ash.
  - d. Clipper Gray.
  - e. Country Almond.
  - f. Desert.
  - g. Estate Gray.
  - h. Horizon Blue.
  - i. Irish Linen.
  - j. Sage Green.

- k. Sierra Brown.
- l. Storm.
- m. Terra Clay.

C. Vinyl Siding Type \_\_\_\_\_:

1. Acceptable Product:
  - a. Vytec Nantucket D4 Vinyl Siding.
  - b. Vytec Nantucket D4 DL Vinyl Siding.
  - c. Vytec Nantucket D4.5 DL Vinyl Siding.
2. Product Description:
  - a. Double 4 inch (102 mm) Traditional, Low Gloss, Single row nailing hem, Cedar Wood grain finish.
  - b. Double 4 inch (102 mm) Dutch Lap, Low Gloss, Single row nailing hem, Cedar Wood grain finish.
  - c. Double 4-1/2 inch (114 mm) Dutch Lap, Low Gloss, Single row nailing hem, Cedar Wood grain finish.
3. Physical Characteristics:
  - a. Average Thickness:
    - 1) 0.040 inch, plus or minus 0.001 inch (.025 mm).
  - b. Butt height:
    - 1) .560 inch (14.224 mm)—D4, nominal.
    - 2) .445 inch (11.303 mm) – D4 DL, nominal.
    - 3) .500 inch (12.7 mm) – D4.5 DL, nominal.
  - c. Piece length:
    - 1) 12 feet 3-5/8 inch (3.75 m) – D4 and D4 DL, nominal.
    - 2) 12 feet 11-1/8 inch (3.94 m) – D4.5 DL, nominal.
  - d. Exposure:
    - 1) 7.883 inches (200 mm)—D4, nominal.
    - 2) 7.858 inches (200 mm)– D4 DL, nominal.
    - 3) 9 inches (228 mm) – D4.5 DL, nominal.
4. Color: As selected by Architect from manufacturer's standard colors.
5. Color shall be as follows:
  - a. Antique Ivory.
  - b. Autumn Ash.
  - c. Clipper Gray.
  - d. Country Almond.
  - e. Estate Gray.
  - f. Irish Linen.
  - g. Sage Green.
  - h. Sierra Brown.
  - i. Terra Clay.
  - j. White.

## 2.4 VINYL SOFFIT PANELS

A. Vinyl Soffit Type \_\_\_\_\_:

1. Acceptable Product:
  - a. Vytec Double 5 inch (127 mm) Select Solid Vinyl Soffit.
  - b. Vytec Double 5 inch (127 mm) Select Full Vent Vinyl Soffit.
2. Product Description:
  - a. Double 5 inch (127 mm) panel, Single nailing hem, Cedar wood grain finish.
3. Physical Characteristics:
  - a. Average Thickness: 0.0400 inch, plus or minus 0.001 inch (.025 mm).
  - b. Butt height: .520 inch (13.208mm), nominal.
  - c. Piece length: 12 feet ( 3.65 m), nominal.

- d. Exposure: 10 inches (254 mm), nominal.
- 4. Color: As selected by Architect from manufacturer's standard colors.
- 5. Color shall be as follows:
  - a. White.
  - b. Irish Linen.
  - c. County Almond.
  - d. Antique Ivory.
  - e. Sierra Brown.
  - f. Desert.
  - g. Autumn Ash.
  - h. Autumn Leaf.
  - i. Canyon Ridge.
  - j. Castle Stone.
  - k. Driftwood.
  - l. Forest.
  - m. Harbour.
  - n. Lakeshore Blue.
  - o. Redwood.
  - p. Shoreline.
  - q. Smokestone.
  - r. Spring Meadow.
  - s. Southwestern Sand.
  - t. Tundra Moss.
  - u. Twilight Gray.
  - v. Clipper Gray.

B. Vinyl Soffit Type\_\_\_\_\_:

- 1. Acceptable Product:
  - a. Vytec T4 inch (102 mm) Solid Vinyl Soffit.
  - b. Vytec T4 inch (102 mm) Center Vent Vinyl Soffit.
  - c. Vytec T4 inch (102 mm) Full Vent Vinyl Soffit.
- 2. Product Description:
  - a. Triple 4 inch (102 mm) panels, Single nailing hem, Maple wood grain finish.
- 3. Physical Characteristics:
  - a. Average Thickness: 0.0360 inch, plus or minus 0.001 inch (.025 mm).
  - b. Butt height: .400 inch (10.16 mm), nominal.
  - c. Piece length: 12 feet (3.65 m), nominal.
  - d. Exposure: 12 inches (305 mm), nominal.
- 4. Color: As selected by Architect from manufacturer's standard colors.
- 5. Color shall be as follows:
  - a. White.
  - b. Irish Linen.
  - c. County Almond.
  - d. Antique Ivory.
  - e. Sierra Brown.
  - f. Desert.
  - g. Autumn Ash.
  - h. Terra Clay.
  - i. Estate Gray.
  - j. Clipper Gray.
  - k. Storm.
  - l. Horizon Blue.
  - m. Sage Green.

C. Vinyl Soffit Type\_\_\_\_\_:

1. Acceptable Product:
  - a. Vytec T4 inch (102 mm) Economy Solid Vinyl Soffit.
  - b. Vytec T4 inch (102 mm) Economy Center Vent Vinyl Soffit.
  - c. Vytec T4 inch (102 mm) Economy Full Vent Vinyl Soffit.
2. Product Description:
  - a. Triple 4 inch (102 mm) panels, Single nailing hem, brushed finish.
3. Physical Characteristics:
  - a. Average Thickness: 0.0360 inch, plus or minus 0.001 inch (.025 mm).
  - b. Butt height: .400 inch (10.16 mm), nominal.
  - c. Piece length: 12 feet (3.65 m), nominal.
  - d. Exposure: 12 inches (305 mm), nominal.
4. Color: As selected by Architect from manufacturer's standard colors.
5. Color shall be as follows:
  - a. White.
  - b. Irish Linen.
  - c. County Almond.
  - d. Antique Ivory.
  - e. Sierra Brown.
  - f. Desert.
  - g. Autumn Ash.
  - h. Terra Clay.
  - i. Estate Gray.
  - j. Clipper Gray.
  - k. Storm.
  - l. Horizon Blue.
  - m. Sage Green.

## 2.5 VINYL ACCESSORIES

- A. Provide coordinating vinyl accessories for complete and proper installation, whether or not specifically shown on the Drawings.
- B. Color: Provide accessories in color matching adjacent siding or soffit panels.
- C. Color: Provide accessories in contrasting color, as follows:\_\_\_\_\_.
- D. Profiles: Provide types as indicated on the Drawings.
- E. Schedule of Accessories
  1. Vinyl Starter Strip.
  2. Shakes Metal Starter Strip.
  3. Under sill trim: Standard type.
  4. 3/4" Outside Corner Post.
  5. Inside Corner Post.
  6. Cedar Shake Mitered Corner Post.
  7. 5/8" pocket J-Channel
  8. 3/4" pocket J-Channel
  9. 1/2" pocket F-channel

## 2.6 FASTENERS

- A. Provide galvanized or other corrosion-resistant nails as recommended by manufacturer of siding products.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Verify governing dimensions of building and condition of substrate.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Examine, clean, and repair as necessary any substrate conditions which would be detrimental to proper installation.
- B. Do not begin installation until unacceptable conditions have been corrected.

### 3.3 INSTALLATION

- A. Install products in accordance with the latest printed instructions of the manufacturer. Installer should have current Master Craftsman credentials.
- B. Install products with all components true and plumb.
- C. Nail horizontal panels by placing nail in center of slot. Nail vertical panels by placing first nail at top of top slot and remaining nails in center of slots. Drive nails straight, leaving 1/16 inch (1.6 mm) space between nail head and flange of panel.
- D. Stapling: Staple horizontal panels by resting head of stapler onto nail hem. Shoot staple legs into the center and top of nail slots, leaving 1/16 inch (1.6 mm) space between the staple crown and flange of panel.
- E. Allow space between both ends of siding panels and trim for thermal movement. Overlap horizontal panel ends one-half the width of factory pre-cut notches.
- F. Stagger lap joints in horizontal siding in uniform pattern as successive courses of siding are installed.
- G. Install J-channel and flashing to accommodate successive courses of vertical siding. Install wood shims at building corners to bring cut edges of vertical siding out to correct plane.

### 3.4 PROTECTION

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

### 3.5 CLEANING

- A. At completion of work, remove debris caused by siding installation from project site.

END OF SECTION