



SECTION 07464

VINYL SIDING

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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Vinyl shingle siding.
- B. Vinyl shake siding.
- C. Vinyl staggered shake siding.
- D. Vinyl shaped siding.
- E. Vinyl stone siding.
- F. Vinyl brick siding.
- G. Vinyl trim and accessories.

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Framing and sheathing.
- B. Section 07900 - Joint Sealers.

1.3 REFERENCES

- A. ASTM E 84 - Test Method for Surface Burning Characteristics of Building Materials.
- B. ASTM D 256 - Test Method for Determining the Pendulum Impact Resistance of Notched Specimens of Plastics.
- C. ASTM D 635 - Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supported Plastics in a Horizontal Position.
- D. ASTM D 3679 - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding.
- E. VSI - The Vinyl Siding Institute, VSI Product Certification Program.
- F. VSI - The Vinyl Siding Institute, Vinyl Siding Installation Manual.
- G. VSI - The Vinyl Siding Institute, Vinyl Siding Cleaning and Maintenance Guide.

1.4 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. Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
- D. Certificate: Manufacturer's certification that siding as supplied meets or exceeds the conditions specified herein.

1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Maintain rigorous production quality control standards to ensure that vinyl siding will perform as expected for its intended use. Products meet or exceed the requirements of ICC and VSI and listed by ICC International Code Council and VSI Vinyl Siding Certification Programs.
- B. Regulatory Requirements: Products shall conform with the following:
 - 1. International Code Council - ESR-1728.
 - 2. Florida Building Code Commission Report # FL6356.
 - 3. Florida Building Code Commission Report # FL14766.
 - 4. Texas Department of Insurance Evaluation - EC-51.
- C. 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 texture are approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Pack siding products in cartons and clearly mark each carton with manufacturer's name, siding style, color, identifying lot number, and VSI Certification Stamp.
- B. Store products and accessories in clean, dry area, out of direct sunlight.
- C. Handle material to prevent damage. Do not allow cartons to crease.

1.7 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.

1.8 WARRANTY

- A. Upon completion, provide a written transferable, limited lifetime warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: The Foundry™ - The Tapco Group, which is located at: 29797 Beck Rd. ; Wixom, MI 48398-2834; Toll Free Tel: 800-771-4486; Fax: 800-

582-0508; E-mail:wayne_Sanderson@tapcoint.com; Web:
www.foundry siding.com.

- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

2.2 MATERIALS

- A. Vinyl Siding General Requirements: Produced from polyvinyl chloride (PVC) compounds meeting ASTM D 3679 requirements.
 - 1. Vinyl Siding Institute Certified.
 - 2. Fire Properties:
 - a. ASTM E 84: Class 1 (A).
 - 1) Flame Spread Index: No more than 25, when tested in accordance with ASTM E 84.
 - 2) Smoke Developed Index: No greater than 450, when tested in accordance with ASTM E 84.
 - 3) Fuel Contributed: 0.
 - b. Ignition Temperature: When tested in accordance with ASTM D 1929, no self ignition and no flaming; no smoldering at less than 875 degrees F (468 degrees C).
 - c. Average Time of Burning: Less than 5 seconds, when tested in accordance with ASTM D 635.
 - d. Average Extent of Burning: Less than 5 mm, when tested in accordance with ASTM D 635.
 - 3. Typical Siding Properties:
 - a. Camber: Meet all requirements for camber per ASTM D 3679.
 - b. Heat Shrinkage: Meet all requirements for heat shrinkage per ASTM D 3679.
 - c. Weather ability: No surface or structural defects such as peeling, cracking, or chipping or blistering when tested per ASTM D 3679.
 - d. Surface Distortion: No distortion at 120 degrees F (40.5 degrees C), per ASTM D 3679.
 - e. Impact Resistance: 60 ft-lbs/in at 20 degrees C when tested in accordance with ASTM D 256.
 - f. Color Formulation: All colors to be formulated with acrylic capstock for fade protection.
- B. Vinyl Shingles: Foundry Narrow Sawn Cedar Shingle, 7 inch (178 mm).
 - 1. Description: Wood grains are authentic and the appearance of knots, gouges, splits, etc. are considered design features. Twenty different wood grains per panel by 8 panel series = 40 feet no repeat.
 - 2. Width Exposure: 7 inch (178 mm).
 - 3. Length Exposure: 60-3/4 inches (1543 mm).
 - 4. Color: As selected by Architect from manufacturers standards.
 - 5. Color shall be as follows: Uptown Collection
 - a. 202 - Oceanside.
 - b. 658 - Oak Leaf.
 - c. 692 - Deep Granite.
 - d. 528 - Smoke Grey.
 - e. 248 - Cocoa.
 - f. 594 - Musket Brown.
 - g. 278 - Russet.

The Timeless Collection

 - h. 123 - Snow.

- i. 034 - Eggshell.
- j. 048 - Sahara.
- k. 069 - Oatmeal.
- l. 095 - Lite Khaki.
- m. 008 - Shadow.
- n. 258 - Eastern Grey.
- o. 112 - Light Moss.
- p. 152 - Forest Green.

The Shoreline Collection

- q. 622 - Coconut.
- r. 524 - Warm Yellow.
- s. 640 - Papaya.
- t. 638 - Key Lime.
- u. 253 - Blueberry.

C. Vinyl Shingles: Foundry Classic Perfection Shingle, 7 inch (178 mm).

1. Description: Wood grains are authentic and the appearance of knots, gouges, splits, etc. are considered design features. Ten different wood grains per panel by 8 panel series = 40 feet no repeat.
2. Width Exposure: 7 inch (178 mm).
3. Length Exposure: 60-3/4 inches (1543 mm).
4. Color: As selected by Architect from manufacturers standards.
5. Color shall be as follows:

The Uptown Collection

- a. 202 - Oceanside.
- b. 658 - Oak Leaf.
- c. 692 - Deep Granite.
- d. 528 - Smoke Grey.
- e. 248 - Cocoa.
- f. 594 - Musket Brown.
- g. 278 - Russet.

The Timeless Collection

- h. 123 - Snow.
- i. 034 - Eggshell.
- j. 048 - Sahara.
- k. 069 - Oatmeal.
- l. 095 - Lite Khaki.
- m. 008 - Shadow.
- n. 258 - Eastern Grey.
- o. 112 - Light Moss.
- p. 152 - Forest Green.

The Shoreline Collection

- q. 622 - Coconut.
- r. 524 - Warm Yellow.
- s. 640 - Papaya.
- t. 638 - Key Lime.
- u. 253 - Blueberry.

The Weathered Collection

- v. 804 - Vanilla Bean.
- w. 806 - Golden Straw.
- x. 809 - Rustic Cedar.
- y. 820 - Vintage Taupe.
- z. 821 - Sandalwood.
- aa. 822 - Harvest Wheat.
- bb. 826 - Moonrock.
- cc. 827 - Colonial Grey.

- dd. 828 - Rustic Brown.
- ee. 834 - Red Cedar.

D. Vinyl Split Shakes: Foundry Split Shakes, hand split cedar shakes, 7 inch (178 mm).

1. Description: Wood grains are authentic and the appearance of knots, gouges, splits, etc. are considered design features. Ten different wood grains per panel by 8 panel series = 40 feet no repeat.
2. Width Exposure: 7 inch (178 mm).
3. Length Exposure: 60-3/4 inches (1543 mm).
4. Color: As selected by Architect from manufacturers standards.
5. Color shall be as follows:

The Uptown Collection

- a. 202 - Oceanside.
- b. 658 - Oak Leaf.
- c. 692 - Deep Granite.
- d. 528 - Smoke Grey.
- e. 248 - Cocoa.
- f. 594 - Musket Brown.
- g. 278 - Russet.

The Timeless Collection

- h. 123 - Snow.
- i. 034 - Eggshell.
- j. 048 - Sahara.
- k. 069 - Oatmeal.
- l. 095 - Lite Khaki.
- m. 008 - Shadow.
- n. 258 - Eastern Grey.
- o. 112 - Light Moss.
- p. 152 - Forest Green.

The Shoreline Collection

- q. 622 - Coconut.
- r. 524 - Warm Yellow.
- s. 640 - Papaya.
- t. 638 - Key Lime.
- u. 253 - Blueberry.

The Weathered Collection

- v. 831 - 804 - Vanilla Bean.
- w. 806 - Golden Straw.
- x. 809 - Rustic Cedar.
- y. 820 - Vintage Taupe.
- z. 821 - Sandalwood.
- aa. 822 - Harvest Wheat.
- bb. 826 - Moonrock.
- cc. 827 - Colonial Grey.
- dd. 828 - Rustic Brown.
- ee. 834 - Red Cedar.

E. Vinyl Staggered Shake: Foundry Staggered Shakes, 7 inch (178 mm) staggered split shakes.

1. Description: Wood grains are authentic and the appearance of knots, gouges, splits, etc. are considered design features. Ten different wood grains per panel by 8 panel series = 40 feet no repeat.
2. Width Exposure: 7 inch (178 mm).
3. Length Exposure: 60-3/4 inches (1543 mm).
4. Color: As selected by Architect from manufacturers standards.
5. Color shall be as follows:

The Uptown Collection

- a. 202 - Oceanside.
- b. 658 - Oak Leaf.
- c. 692 - Deep Granite.
- d. 528 - Smoke Grey.
- e. 248 - Cocoa.
- f. 594 - Musket Brown.
- g. 278 - Russet.

The Timeless Collection

- h. 123 - Snow.
- i. 034 - Eggshell.
- j. 048 - Sahara.
- k. 069 - Oatmeal.
- l. 095 - Lite Khaki.
- m. 008 - Shadow.
- n. 258 - Eastern Grey.
- o. 112 - Light Moss.
- p. 152 - Forest Green.

The Shoreline Collection

- q. 622 - Coconut.
- r. 524 - Warm Yellow.
- s. 640 - Papaya.
- t. 638 - Key Lime.
- u. 253 - Blueberry.

The Weathered Collection

- v. 804 - Vanilla Bean.
- w. 806 - Golden Straw.
- x. 809 - Rustic Cedar.
- y. 820 - Vintage Taupe.
- z. 821 - Sandalwood.
- aa. 822 - Harvest Wheat.
- bb. 826 - Moonrock.
- cc. 827 - Colonial Grey.
- dd. 828 - Rustic Brown
- ee. 834 - Red Cedar.

F. Vinyl Staggered Shake: Foundry Staggered Shakes, 10 inch (254 mm) staggered split shakes.

1. Description: Wood grains are authentic and the appearance of knots, gouges, splits, etc. are considered design features. Ten different wood grains per panel by 8 panel series = 40 feet no repeat.
2. Width Exposure: 10 inch (254 mm).
3. Length Exposure: 62-3/4 inches (1594 mm).
4. Color: As selected by Architect from manufacturers standards.
5. Color shall be as follows:

The Uptown Collection

- a. 202 - Oceanside.
- b. 658 - Oak Leaf.
- c. 692 - Deep Granite.
- d. 528 - Smoke Grey.
- e. 248 - Cocoa.
- f. 594 - Musket Brown.
- g. 278 - Russet.

The Timeless Collection

- h. 123 - Snow.
- i. 034 - Eggshell.

- j. 048 - Sahara.
- k. 069 - Oatmeal.
- l. 095 - Lite Khaki.
- m. 008 - Shadow.
- n. 258 - Eastern Grey.
- o. 112 - Light Moss.
- p. 152 - Forest Green.

The Shoreline Collection

- q. 622 - Coconut.
- r. 524 - Warm Yellow.
- s. 640 - Papaya.
- t. 638 - Key Lime.
- u. 253 - Blueberry.

The Weathered Collection

- v. 804 - Vanilla Bean.
- w. 806 - Golden Straw.
- x. 809 - Rustic Cedar.
- y. 820 - Vintage Taupe.
- z. 821 - Sandalwood.
- aa. 822 - Harvest Wheat.
- bb. 826 - Moonrock.
- cc. 827 - Colonial Grey.
- dd. 828 - Rustic Brown.
- ee. 834 - Red Cedar.

- G. Vinyl Shapes Round: Foundry round sawn cedar shingle, 6 inch (152 mm).
 - 1. Description: Wood grains are authentic and the appearance of knots, gouges, splits, etc. are considered design features. Ten different wood grains per panel by 8 panel series = 40 feet no repeat.
 - 2. Width Exposure: 6 inch (152 mm).
 - 3. Length Exposure: 60 inches (1524 mm).
 - 4. Color: As selected by Architect from manufacturers standards.
 - 5. Color shall be as follows:
 - a. 202 - Oceanside.
 - b. 278 - Russet.
 - c. 123 - Snow.
 - d. 034 - Eggshell.
 - e. 008 - Shadow.
 - f. 112 - Light Moss.

- H. Vinyl Shapes Fish Scale: Foundry fish scale sawn cedar shingle, 6 inch (152 mm).
 - 1. Description: Wood grains are authentic and the appearance of knots, gouges, splits, etc. are considered design features. Ten different wood grains per panel by 8 panel series = 40 feet no repeat.
 - 2. Width Exposure: 6 inch (152 mm).
 - 3. Length Exposure: 60 inches (1524 mm).
 - 4. Color: As selected by Architect from manufacturers standards.
 - 5. Color shall be as follows:
 - a. 123 - Snow.

- I. Vinyl Stone Collection: Foundry Limestone Collection, 10 inch (254 mm) wide stone panel.
 - 1. Description: The Foundry Limestone Collection is created with molds cast from real stone. It provides detail and color that reflect the authentic, rugged qualities of hand-cut limestone.
 - 2. Width Exposure: 10 inch (254 mm).

3. Length Exposure: 62 inches (1575 mm).
 4. Color: As selected by Architect from manufacturer's standards.
 5. Color shall be as follows:
 - a. 850 - Cottonwood.
 - b. 851 - Desert Canyon.
 - c. 852 - Red Rocks.
 - d. 853 - Mesa.
- J. Vinyl Stone Collection: Foundry Stacked Stone Collection, 10 inch (254 mm) wide stone panel.
1. Description: The Foundry Stacked Stone Collection is created with molds cast from real stone. It provides detail and color that reflect the authentic, rugged qualities of stacked stone.
 2. Width Exposure: 10 inch (254 mm).
 3. Length Exposure: 62 inches (1575 mm).
 4. Color: As selected by Architect from manufacturer's standards.
 5. Color shall be as follows:
 - a. 885 - Durham County.
 - b. 886 - Dover Crest.
 - c. 887 - Auburn Hills.
- K. Vinyl Brick Collection.
1. Description: The Foundry Brick Collection is created with molds cast from real kiln-fired clay brick. It provides detail and color that reflect the authentic, brick-by-brick qualities of brick.
 2. Width Exposure: 10 inch (254 mm).
 3. Length Exposure: 62 inches (1575 mm).
 4. Color: As selected by Architect from manufacturer's standards.
 5. Color shall be as follows:
 - a. 008 - Natural Clay.
 - b. 123 - Glacier White.
 - c. 258 - Storm Grey.
 - d. 594 - Walnut Brown.
- L. Standard Accessories:
1. Consistent with shape, size, and properties shown on the drawings and as required for complete installation.
 2. Produced from the same compound materials and with comparable properties as the siding.
 3. Color: Matching or color coordinated with siding.
- M. Trim Accessories:
1. Profile matched Outside Corners:
 - a. Standard 7 inch shingle corner piece for shingle and shape profiles with separate 3/4 inch (19.05 mm) J-Channel.
 - b. Standard 7 inch shake corner piece for shake profiles with separate 3/4 inch (19.05 mm) J-Channel.
 - c. Standard 7 inch staggered corner piece for staggered and split shake profiles with separate 1 inch (25.4 mm) J-Channel.
 - d. Standard 10 inch staggered corner piece for staggered and split shake profiles with separate 1 inch (25.4 mm) J-Channel.
 - e. Standard limestone collection corner piece for limestone collection profiles with separate 1 inch (25.4 mm) J-Channel.
 - f. Standard stacked stone collection corner piece for stacked stone collection profiles with separate 1 inch (25.4 mm) J-Channel.
 - g. Standard brick collection corner piece for brick collection profiles with

- separate 1 inch (25.4 mm) J-Channel.
- 2. J-channel with pocket size determined by profile.
- 3. Starter strip:
 - a. Standard 7inch shingle starter strip.
 - b. Standard 7inch shake starter strip.
 - c. Standard 7 inch or 10inch staggered starter strip.
 - d. Standard 6 inch shape starter strip.
 - e. Standard stone and brick collection starter strip.
- 4. Undersill / Utility trim as needed.
- 5. Other accessories as approved by manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Confirm that all critical dimensions are as specified on the drawings.
- B. Beginning installation indicates Installer's acceptance of substrate as suitable to accept products specified.

3.2 PREPARATION

- A. Repair substrate flaws or defects before applying siding.
- B. Where necessary, use furring strips on uneven surfaces to even the substrate and ensure that the surfaces are free from obstructions before application.

3.3 INSTALLATION

- A. Install siding in accordance with the manufacturer's instructions, the latest edition of the VSI Vinyl Siding Institute's Installation Manual and special details from the Drawings.
- B. Securely attach siding using methods and materials recommended by siding manufacturer for wind load conditions at project site.
- C. Install vinyl siding and accessories with all joint members plumb and true.

3.4 FIELD QUALITY CONTROL

- A. After installation of siding check entire surface for obvious flaws or defects.
- B. Replace and repair any problem areas, paying close attention to the substrate for causes of the problem.

3.5 CLEANING

- A. After application of siding clean as necessary to remove all fingerprints and soiled areas.
- B. Clean siding in accordance with the Vinyl Siding Institute (VSI), Vinyl Siding Cleaning and Maintenance Guide.
- C. Upon completion of siding application, clean entire area, removing all scrap, packaging, and unused materials related to this work.

END OF SECTION