

# N A I L I T E

## Architectural Specifications Section 07464

### SIDING

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Replica Cedar and Masonry Siding Panels.
- B. Accessories

##### 1.2 RELATED SECTIONS

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

##### 1.3 REFERENCES

- A. ASTM D 635 - Standard Test Method for Rate of Burning and/or Extent and time of Burning of Plastics in a Horizontal Position.
- B. ASTM D 638 -- Standard Test Method for Tensile Properties of Plastics.
- C. ASTM D 648 - Standard Test Method for Deflection Temperature of Plastics under Flexural Load in the Edgewise Position.
- D. ASTM D 696 -- Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics between -30 Degrees C and 30 Degrees C.
- E. ASTM D 790 -- Standard Test Methods for Flexural Properties of non reinforced and Reinforced Plastics and Electrical Insulating Materials.
- F. ASTM G 53 -- Exposure to Ultraviolet light
- G. ASTM D 1929 -- Standard Test Method for Ignition Properties of Plastics.

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- H. ASTM D 3679 -- Standard Specification for Rigid Poly Siding.
- I. ASTM D 4226 -- Standard Test Method for Impact Resistance
- J. ASTM D 5206 -- Standard Test Method for Wind load Resistance.
- K. ASTM E 84 -- Standard Test Method for Surface Burning Characteristics of Building Materials.
- L. ASTM D 2843-- Standard Test Methods for Smoke Density Development
- M. ASTM E 331- Standard Test for Wind Driven Rain

#### 1.4 SUBMITTALS

- A. Make submittals under provisions of Section 01300.
- B. Product Data: Provide manufacturer's printed information and installation instructions on siding products and accessories.
- C. Samples: Provide 3 samples of siding products in colors specified, not less than 12 inches in length.

#### 1.5 QUALITY ASSURANCE

- A. Installer: Provide installer with not less than three years of experience with products specified.

#### 1.6 WARRANTY

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

### PART 2 PRODUCTS

#### 2.1 MANUFACTURER

- A. Acceptable Manufacturer: Nailite 1111 165<sup>th</sup> NW Street, Miami, FL 33169
- B. Substitutions: Not permitted.

## 2.2 MATERIALS

- A. Thermoplastic Components: Provide siding made of mineral filled polypropylene meeting or exceeding the following physical properties:
1. Tensile Strength: 2900 psi, per ASTM D 638.
  2. Tensile Modulus: 241,000-340,000 psi, per ASTM D 638.
  3. Flexural Modulus: 180,000 psi, per ASTM D 790.
  4. Coefficient of Linear Thermal Expansion: 0.000053 in/in/degree F, per ASTM D 696.
  5. Deflection Temperature: 144-202 degrees F, under load of 264 psi.
  6. Self-Ignition Temperature: 809 degrees F, minimum, when tested in accordance with ASTM D 1929.
  7. Flammability: Rate of burning not greater than 4 inches (100 mm) per minute, when tested in accordance with ASTM D 635.
  8. Smoke Density: 6.3%-9.4%, when tested in accordance with ASTM D 2843.

## 2.3 REPLICA CEDAR AND MASONRY SIDING PANELS

- A. Siding: Hand-Split Shake.
1. Style Nailite Hand Split Shake Design.41 3/8" x 18 3/4" overall, injected molded to replicate heavy natural shake façade. Tested per ASTM D-5206 to exceed 200 psf negative pressure
  2. Nominal Panel Thickness 0.090 inches
  3. Color: \_\_\_\_\_.
  4. Color: As indicated on drawings.
  5. As selected by Architect from manufacturer's standard colors after award of contract.
- B. Siding: Rough Sawn Cedar Shakes.
1. Style: Rough Sawn Cedar; 59 1/4" inch by 15 inch; tested per ASTM D 5206 to exceed 100 psf negative pressure.
  2. Nominal Panel Thickness: 0.090 inches with side interlock and nailing flange
  3. Color: \_\_\_\_\_.
  4. Color: As indicated on the drawings.
  5. Color: As selected by Architect from manufacturer's standards after award of the contract.
- C. Siding: Cape Cod Perfection.
1. Style: Cape Cod Perfection; 48 5/8" inch by 15 1/2 inch; tested per ASTM D 5206 to exceed 100 psf negative pressure.
  2. Nominal Panel Thickness: 0.090 inches with side interlock and nailing flange

3. Color: \_\_\_\_\_.
  4. Color: As indicated on the drawings.
  5. Color: As selected by Architect from manufacturer's standards after award of the contract.
- D. Siding: Perfection Plus Cedar.
1. Style: Perfection Plus Cedar 36 1/8" inch by 15 inch; tested per ASTM D 5206 to exceed 100 psf negative pressure.
  2. Nominal Panel Thickness: 0.090 inches with side interlock and nailing flange
  3. Color: \_\_\_\_\_.
  4. Color: As indicated on the drawings.
  5. Color: As selected by Architect from manufacturer's standards after award of the contract.
- E. Siding: Scalloped Perfection.
1. Style: Scalloped Perfection 59 1/4" inch by 15 inch; tested per ASTM D 5206 to exceed 100 psf negative pressure.
  2. Nominal Panel Thickness: 0.090 inches with side interlock and nailing flange
  3. Color: \_\_\_\_\_.
  4. Color: As indicated on the drawings.
  5. Color: As selected by Architect from manufacturer's standards after award of the contract.
- F. Siding: Hand Laid Brick.
1. Style: : Hand Laid Brick 44 1/4" inch by 18 5/8 inch; tested per ASTM D 5206 to exceed 200 psf negative pressure.
  2. Nominal Panel Thickness: 0.090 inches with side interlock and nailing flange
  3. Color: \_\_\_\_\_ Hand Laid Brick Red.
- G. Siding: Hand Cut Stone
1. Style: : Hand Cut Stone 44 1/4" inch by 18 5/8 inch; tested per ASTM D 5206 to exceed 200 psf negative pressure.
  2. Nominal Panel Thickness: 0.090 inches with side interlock and nailing flange
  3. Color: \_\_\_\_\_ Hand Cut Stone.

## 2.4 ACCESSORIES

- A. Provide coordinating accessories for complete and proper installation, whether or not specifically shown on the drawings.
1. Color: Provide accessories in color matching adjacent siding.
  2. Color: Provide accessories in contrasting color, as follows:

\_\_\_\_\_.

3. Profiles: Provide types as indicated on the drawings.
- B. Schedule of Accessories
    1. Starter Strip: Metal.
    2. Scalloped Perfection Starter Clip: Metal.
    3. Outside Corners: Individual or vinyl.
    4. Miscellaneous J-channels and dividers to suit project conditions.
  - C. Fasteners: Provide galvanized or other corrosion-resistant nails as recommended by manufacturer of siding products.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Prior to commencing installation, verify governing dimensions of building and condition of substrate.

### 3.2 PREPARATION

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

### 3.3 INSTALLATION

- A. General: Install products in accordance with the latest printed instructions of the manufacturer, with all components true and plumb.

### 3.4 CLEANING

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

END OF SECTION