

**PART I GENERAL**

**I.1 SECTION INCLUDES**

- A. Composite Stone Siding
- B. Polymer Shake and Shingle
- C. Stained Polymer Shake and Shingle Siding
- D. Accessories and Trim

**I.2 RELATED SECTIONS**

- A. Section 06 10 00 - Framing and Sheathing
- B. Section 07 26 00 - Vapor Retarders
- C. Section 07 90 00 - Joint Sealers

**I.3 REFERENCES**

- A. ASTM D 5206 - Standard Wind load Resistance Test
- B. ASTM E 84 - Standard test Method for Surface Burning Characteristics of Building Materials
- C. ASTM D7254 – Standard Specification for Polypropylene (PP) Siding
- D. ASTM D4426 – Standard Impact Resistance Test

**I.4 DESIGN/PERFORMANCE REQUIREMENTS**

- A. Regulatory Requirements: Code compliance in accordance with the following:
  - a. IBC and IRC
    - i. TandoStone and TandoShake
      - 1. Type VB construction
    - ii. Beach House Shake and TandoShake RC6 Signature Stain
      - 1. When installed in accordance with section 4.3.2 of ICC-ES report ESR-2888, one-hour fire-resistance-rated assembly (exposed from both sides) specified in 2018 IBC Item 15-1.15 of Table 721.1 (2). Use on all exterior wall types I, II, III, IV Construction in

- accordance under the 2018 IBC
- b. ICC Evaluation Service (ESR-2888 and ESR-3070)
- c. CCMC (I3420-R and I3429-R)
- d. FBC (FL14428) – including HVHZ (Florida Building Codes – High Velocity Hurricane Zones)
  - i. Beach House Shake
  - ii. Tando Cape Cod Perfection
    - 1. excluding the HVHZ (refer to FL14428 and FL17789)
- e. Miami Dade County Notice of Acceptance #19-0829.10
- f. Beach House Shake
- g. TDI Approvals (EC-76)
  - i. TandoShake Profiles
    - 1. Rustic Cedar 9
    - 2. Hand-Split Shake
    - 3. Rough Sawn Cedar Single
    - 4. Rough Sawn Cedar Dual
    - 5. TandoStone Profiles
    - 6. Stacked Stone
    - 7. Creek LedgeStone
- h. CALGreen 2016 (ESR-2888 and ESR-3070)
- i. National Green Building Standard 2015 (ESR-2888 and ESR-3070)
- j. Abu Dhabi International Building Code (ADIBC) 2013 (ESR-2888 and ESR-3070)

**I.5 SUBMITTALS**

- A. Submit under provisions of Section 01 30 00.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
- C. Preparation instructions and recommendations.
- D. Storage and handling requirements and recommendations.
- E. Installation methods.
- F. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
  - a. List of proposed materials with recycled content. Indicate post-consumer recycled content for each product having recycled content.

- b. Product data and certification letter indicating percentages by weight of post-consumer content for products having recycled content.
  - c. Environmental Data Sheet
    - i. Beach House Shake
    - ii. TandoShake Cape Cod Perfection
  - d. Product Declaration
    - i. Beach House Shake
- G. Selection Samples: For each finish product specified, two samples, minimum size 12 inches (300 mm) long, representing actual product, color, and patterns.

## 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Provide installer with not less than three years of experience with products specified
- B. Manufacturing Qualifications: Minimum 10 years of experience manufacturing a similar product
- C. Mock-Up: Provide a mock-up for evaluation of installation techniques and workmanship.
  - a. Finish areas designated by Architect. Do not proceed with remaining work until workmanship and color is approved by Architect. Reinstall mock-up area as required to produce acceptable work.

## 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation. Refer to manufacturer's installation instructions for specific storage and handling requirements.

## 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. Within 30 days of completion of the work of this section, deliver manufacturer's written "50 Year Performance Plus" or "10 Year Like New" transferable limited warranty.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Derby Building Products LLC, 1111 NW 165th St, Miami, FL 33169. Tel: 418-878-6161; www.Tandobp.com; Email: Customerservice@derbybp.com
- B. Acceptable Manufacturer: Derby Building Products, Inc. 160, Grands-Lacs street, St-Augustin-de-Desmaures (Quebec), Canada G3A 2K1. Tel: 418-878-6161; www.Tandobp.com; Email: Customerservice@derbybp.com
- C. Substitutions: Not permitted.
- D. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

### 2.2 MATERIALS

- A. Composite Stone Siding: Molded polypropylene-mineral composite stone siding as specified in this section and manufactured to comply with requirement of ASTM D 7254
  - a. Provide elongated nailing slots on nailing flanges to allow movement
  - b. Provide product that offers Kynar® coating
  - c. Provide product that meet weathering requirements of ASTM D 7254
    - i. Provide product with color warranty no <15-year Delta E
  - d. In accordance with ICC – ES Acceptance Criteria AC366 (ESR-3070)
  - e. Provide positioning aids allowing for proper spacing in various temperatures
  - f. Provide product that does not contain airborne silica particles
  - g. Provide hydrophobic material that does absorb moisture, acceptable for ground and roofline contact
  - h. Provide product that offers Tando TruGrit™ Technology
- B. Stained Polymer Shake and Shingle Siding: Molded stained polypropylene shake and shingle siding as specified in this section and manufactured to comply with requirement of ASTM D 7254
  - a. Provide elongated nailing slots on nailing flanges to allow movement
  - b. Provide products that meet weathering requirements of ASTM D 7254
    - i. Provide product with color warranty no <

### 10-year Delta E 2

- c. In accordance with ICC – ES Acceptance Criteria AC366 (ESR-2888)
  - d. Provide panel positioning aids allowing for proper spacing in various temperatures
  - e. Provide product that offers applied translucent stain
  - f. Provide product that does not contain airborne silica particles
  - g. Provide hydrophobic material that does absorb moisture, acceptable for ground and roofline contact
- C. Polymer Shake and Shingle Siding: Molded polypropylene shake and shingle siding as specified in this section and manufactured to comply with requirement of ASTM D 7254
- a. Provide elongated nailing slots on nailing flanges to allow movement
    - i. If painted, product that provides Kynar® coating
  - b. Provide products that meet weathering requirements of ASTM D 7254
    - i. Solid Color Series: Color-through - provide product with color warranty no < 10-year Delta E 4
    - ii. Natural Color Series: Painted - provide product with color warranty no < 7-year Delta E 7
  - c. In accordance with ICC – ES Acceptance Criteria AC366 (ESR-2888)
  - d. Provide panel positioning aids allowing for proper spacing in various temperatures
  - e. Provide product that does not contain airborne silica particles
  - f. Provide hydrophobic material that does absorb moisture, acceptable for ground and roofline contact.
  - h. Panel Projection: 0.97” (2.47cm)
  - i. Panel Weight: 3.65lbs (1.66kg)
  - j. Wind Load Resistance: refer to ESR-3070 table I
  - k. Impact Resistance: meet requirement per ASTM D7254
  - l. Temperature Positioning Pins: Ensure precise installation
  - m. Temperature Reference Line: Ensure precise installation
  - n. Center Nailing Hole: Minimize movement by evenly spreading expansion and contraction
  - o. Tando TruGrit™ Technology: gritty stone texture
  - p. Kynar® coating
  - q. Trim Accessories:
    - i. PVC J-channel, 1 1/8” opening
    - ii. Stacked Stone 90 Degree Outside Corner: 20.83” H X 6.38” W X 6.50” D (52.92cm H X 16.19cm W X 16.51cm D)
    - iii. Stacked Stone Ledge Trim: 32.25” W X 2.63” H X 1.88” D (81.92 cm W x 6.67 cm H x 0.89 cm D)
  - r. Coordinating Accessories:
    - i. Galvanized steel universal starter strip: 120” W x 1.88” H x 0.35” D (304.80 cm W x 4.78 cm H x 0.89 cm D)
  - s. Color(s): [As selected by Architect from manufacturer’s standard colors]  
Color(s): [As indicated on Drawings]  
Color(s): \_\_\_\_\_
    - i. Lewiston Crest
    - ii. Sedona Bluff
    - iii. Sante Fe
    - iv. Chestnut Hills
    - v. Shadow Ridge
    - vi. Glacier Bay

## 2.3 COMPOSITE STONE SIDING

- A. TandoStone – Stacked Stone: Dry stack profile without mortar lines between stones, intricate detail of small stones gives a precision hand-laid dry-stack set
- a. Material: Polypropylene-mineral composite
  - b. Design: Mortar-less panelized masonry unit
  - c. Lock: Stack on panel
  - d. Overall: 44.38” W X 19.38” H X 0.97” D (112.71cm W X 49.21cm H X 2.47cm D)
  - e. Exposed Dimension: 39.68” W X 18.25” H (100.77cm W X 46.36cm H)
  - f. Exposure: 18.25” (46,36cm)
  - g. Material Thickness: 0.092” (2.34mm)
- B. TandoStone – Creek LedgeStone: Various sized stones with mortar lines in-between, rugged look of hand-picked stone
- a. Material: Polypropylene-mineral composite
  - b. Design: Mortar-less panelized masonry unit
  - c. Lock: Stack on panel
  - d. Overall: 45.63” W X 19.50” H X 1.07” D (115.89cm W X 49.53cm H X 2.72cm D)
  - e. Exposed Dimension: 40.03” W X 18.13” H (101.68cm W X 46.04cm H)
  - f. Exposure: 18.13” (46.04cm)
  - g. Material Thickness: 0.083” (2.11mm)
  - h. Panel Projection: 1.07” (2.72cm)
  - i. Panel Weight: 3.79lbs (1.72kg)
  - j. Wind Load Resistance: refer to ESR-3070 table I
  - k. Impact Resistance: meet requirement per ASTM

## D7254

- l. Temperature Positioning Pins: Ensure precise installation
- m. Temperature Reference Line: Ensure precise installation
- n. Center Nailing Hole: Minimize movement by evenly spreading expansion and contraction
- o. Tando TruGrit™ Technology: gritty stone texture
- p. Kynar® coating
- q. Trim Accessories:
  - i. PVC J-channel, 1 1/8" opening
  - ii. Stacked Stone 90 Degree Outside Corner: 21.88" H X 7.25" W X 7.38" D (55.56cm H X 18.42cm W X 18.73cm D)
  - iii. Stacked Stone Ledge Trim: 32.25" W X 2.63" H X 1.88" D (81.92cm X 6.67cm X 4,76cm)
- r. Coordinating Accessories:
  - i. Galvanized steel universal starter strip: 120" W x 1.88" H x 0.35" D (304.80 cm W x 4.78 cm H x 0.89 cm D)
- s. Color(s): [As selected by Architect from manufacturer's standard colors]  
Color(s): [As indicated on Drawings]  
Color(s): \_\_\_\_\_
  - i. Appalachian Ash
  - ii. Bucks County Gray
  - iii. Rocky Mountain Clay
  - iv. Arizona Sandstone
  - v. Golden Montana
  - vi. Nordic Mist
- k. Impact Resistance: meet requirement per ASTM D7254
- l. Temperature Positioning Pins: Ensure precise installation
- m. Temperature Reference Line: Ensure precise installation
- n. Center Nailing Hole: Minimize movement by evenly spreading expansion and contraction
- o. Hammer Stop: limits nail penetration to ensure smooth panel expansion and contraction
- p. Roofing Nailer Positioning System: Nailing channel allows the use of roofing nailer
- q. Nail Locator: Nail locators for quick and precise nail positioning when nailed by hand
- r. Built in Ruler: 1/4" graduation on back of panel for visual reference when cutting
- s. Trim Accessories:
  - i. PVC J-channel, 3/4" opening
  - ii. Beach House Shake 90 Degree Outside Corner: 16.75" H X 3.75" W (42.55cm H X 9.53cm W)
- t. Coordinating Accessories:
  - i. Galvanized steel universal starter strip: 120" W x 1.88" H x 0.35" D (304.80 cm W x 4.78 cm H x 0.89 cm D)
- u. Color(s): [As selected by Architect from manufacturer's standard colors]  
Color(s): [As indicated on Drawings]  
Color(s): \_\_\_\_\_
  - i. Sandcastle
  - ii. Hatteras
  - iii. Pacifica
  - iv. Atlantica

## 2.4 STAINED POLYMER SHAKE AND SHINGLE SIDING

- A. Beach House Shake: 5" exposure, cedar texture and clean lines, replicates the look of natural cedar shingles
  - a. Material: Stained polypropylene
  - b. Design: 5" re-squared and rebutedted cedar shingle; sawmill texture finish
  - c. Lock: Continuous stack up panel
  - d. Overall: 47.00" W X 16.63" H X 0.63" D (119.38cm X 42.23cm X 1.59cm)
  - e. Exposed Dimension: 42.63" W X 15.00" H (108.27cm X 38.10cm)
  - f. Exposure: 5" (12.7cm)
  - g. Material Thickness: 0.080" (2.03mm)
  - h. Panel Projection: 0.63" (1.59cm)
  - i. Panel Weight: 2.07 pounds (0.94kg)
  - j. Wind Load Resistance: refer to ESR-2888 section 4.2 and for FBC including HVHZ (FL14428) and Miami-Dade County Notice of Acceptance NOA #19-0829.10
- B. TandoShake – Rustic Cedar 6: 6.5" exposure with a rustic, rough-split cedar texture
  - a. Material: Stained polypropylene
  - b. Design: Handcut; rough-split cedar texture
  - c. Lock: Continuous Stack up panel
  - d. Overall: 96.50" W x 8.50" H x 0.88" D (245.11 cm W x 21.59 cm H x 2.22 cm D)
  - e. Exposed Dimension: 95.25" W x 6.63" H (241.94 cm W x 16.83 cm H)
  - f. Exposure: 6.63" (16.83 cm)
  - g. Material Thickness: 0.085" (2.16 mm)
  - h. Panel Projection: 0.88" (2.22 cm)
  - i. Panel Weight: 3.10lbs (1.41 kg)
  - j. Wind Load Resistance: refer to ESR-2888 section 4.2
  - k. Impact Resistance: meet requirement per ASTM D7254
  - l. Temperature Positioning Pins: Ensure precise installation

- m. Temperature Reference Line: Ensure precise installation
- n. Center Nailing Hole: Minimize movement by evenly spreading expansion and contraction
- o. Hammer Stop: limits nail penetration to ensure smooth panel expansion and contraction
- p. Nail Locator: Nail locators for quick and precise nail positioning when nailed by hand
- q. Trim Accessories:
  - i. PVC J-channel, 1 1/8" opening
  - ii. Rustic cedar 90 degree outside corner: 15.18" W x 4.50" H x 4.50" D (38.56 cm W x 11.43 cm H x 11.43 cm D)
- r. Coordinating Accessories:
  - i. Galvanized steel universal starter strip: 120" W x 1.88" H x 0.35" D (304.80 cm W x 4.78 cm H x 0.89 cm D)
- s. Color(s): [As selected by Architect from manufacturer's standard colors]  
Color(s): [As indicated on Drawings]  
Color(s): \_\_\_\_\_
  - i. Signature Stain: Stain
    - 1. Graphite
    - 2. Fawn
    - 3. Acorn
    - 4. Bark

- m. Temperature Reference Line: Ensure precise installation
- n. Center Nailing Hole: Minimize movement by evenly spreading expansion and contraction
- o. Hammer Stop: limits nail penetration to ensure smooth panel expansion and contraction
- p. Roofing Nailer Positioning System: Nailing channel allows the use of roofing nailer
- q. Nail Locator: Nail locators for quick and precise nail positioning when nailed by hand
- r. Built in Ruler: 1/4" graduation on back of panel for visual reference when cutting
- s. Trim Accessories:
  - i. PVC J-channel, 3/4" opening
  - ii. Beach House Shake 90 Degree Outside Corner: 16.75" H X 3.75" W (42.55cm H X 9.53cm W)
- t. Coordinating Accessories:
  - i. Galvanized steel universal starter strip: 120" W x 1.88" H x 0.35" D (304.80 cm W x 4.78 cm H x 0.89 cm D)
- u. Color(s): [As selected by Architect from manufacturer's standard colors]  
Color(s): [As indicated on Drawings]  
Color(s): \_\_\_\_\_
  - i. Mariner Blue
  - ii. Ashwood Gray
  - iii. Slate Gray
  - iv. White
  - v. Wheat

## 2.5 POLYMER SHAKE AND SHINGLE SIDING

- A. TandoShake – Cape Cod Perfection: 5" exposure, cedar texture and clean lines that replicates the look of painted cedar shingles
  - a. Material: Color-through polypropylene
  - b. Design: 5" re-squared and rebuted cedar shingle; painted cedar look; sawmill texture finish
  - c. Lock: Continuous stack up panel
  - d. Overall: 47.00" W X 16.63" H X 0.63" D (119.38cm X 42.23cm X 1.59cm)
  - e. Exposed Dimension: 42.63" W X 15.00" H (108.27cm W X 38.10cm H)
  - f. Exposure: 5" (12.7cm)
  - g. Material Thickness: 0.080" (2.03mm)
  - h. Panel Projection: 0.63" (1.59cm)
  - i. Panel Weight: 2.07 pounds (0.94kg)
  - j. Wind Load Resistance: refer to ESR-2888 section 4.2 and for FBC including HVHZ (FL14428) and Miami-Dade County Notice of Acceptance NOA #19-0829.10
  - k. Impact Resistance: meet requirement per ASTM D7254
    - i. Miami Dade Notice of Acceptance
  - l. Temperature Positioning Pins: Ensure precise installation

- B. TandoShake – Roughsawn Cedar Single: 6 1/2-inch exposure, random mill saw marks and a long, subtle grain for a clean, classic look
  - a. Material: Polypropylene-mineral composite
  - b. Design: Straight edge, single course; roughsawn cedar texture
  - c. Lock: Stack up panel; continuous front and back hooks
  - d. Overall: 90.00" W X 8.50" W X 0.61" D (228.60cm H X 21.59cm W X 1.55cm D)
  - e. Exposed Dimension: 89.13" W X 6.50" H (226.38cm W X 16.51cm H)
  - f. Exposure: 6.50" (16.51cm)
  - g. Material Thickness: 0.075" (1.91mm)
  - h. Panel Projection: 0.61" (1.55cm)
  - i. Panel Weight:
    - i. Solid Color: 2.43 pounds (1.10kg)
    - ii. Painted Color: 2.70 pounds (1.23kg)
  - j. Wind Load Resistance: refer to ESR-3070 table I
  - k. Impact Resistance: meet requirement per ASTM D7254
  - l. Temperature Positioning Pins: Ensure precise

- installation
- m. Center Nailing Hole: Minimize movement by evenly spreading expansion and contraction
  - n. Trim Accessories:
    - i. PVC J-channel, 3/4" opening
    - ii. Roughsawn cedar single 90 degree outside corner: 26.69" H X 4.25" W X 4.25" D (67.79cm H X 10.80cm W X 10.80cm D)
  - o. Coordinating Accessories:
    - i. Galvanized steel universal starter strip: 120" W x 1.88" H x 0.35" D (304.80 cm W x 4.78 cm H x 0.89 cm D)
  - p. Color(s): [As selected by Architect from manufacturer's standard colors]  
 Color(s): [As indicated on Drawings]  
 Color(s): \_\_\_\_\_
    - i. Solid Color Series: Color-through
      - 1. Classic White
      - 2. Ashwood Gray
      - 3. Slate Gray
      - 4. Desert Sand
      - 5. Wheat
      - 6. Coastal Clay
      - 7. Desert Clay
      - 8. Coastal Brown
      - 9. Cypress Green
      - 10. Denim Blue
      - 11. Barn Red
    - ii. Natural Color Series: Painted - Kynar® coating
      - 1. Antique Gray
      - 2. Harvest Cedar
      - 3. Seaside Gray
      - 4. Newport Cedar
      - 5. Sunset Cedar
      - 6. Autumn Cedar
- C. TandoShake – Roughsawn Cedar Dual: 6 1/2-inch exposure, random mill saw marks and a long, subtle grain for a clean, classic look
- a. Material: Polypropylene-mineral composite
  - b. Design: Straight edge, dual course; roughsawn cedar texture
  - c. Lock: Stack up panel;
  - d. Overall: 59.10" W X 15.00" H X 0.75" D (150.11cm W X 38.10cm H X 1.91cm D)
  - e. Exposed Dimension: 55.50" W X 13.50" H (140.97cm W X 34.29cm H)
  - f. Exposure: 6.50" (16.51cm)
  - g. Material Thickness: 0.090" (2.29mm)
  - h. Panel Projection: 0.75" D (1.91cm D)
  - i. Panel Weight:
    - i. Solid Color: 2.97lbs (1.35kg)
    - ii. Painted Color: 3.16lbs (1.43kg)
- j. Wind Load Resistance: refer to ESR-3070 table I
  - k. Impact Resistance: meet requirement per ASTM D7254
  - l. Temperature Positioning Pins: Ensure precise installation
  - m. Temperature Reference Line: Ensure precise installation
  - n. Center Nailing Hole: Minimize movement by evenly spreading expansion and contraction
  - o. Elongated Nailing Slots: Easy positioning
  - p. Trim Accessories:
    - i. PVC J-channel, 3/4" opening
    - ii. Roughsawn cedar dual 90 degree outside corner: 26.69" H X 4.25" W X 4.25" D (67.79cm H X 10.80cm W X 10.800cm D)
  - q. Coordinating Accessories:
    - i. Galvanized steel universal starter strip: 120" W x 1.88" H x 0.35" D (304.80 cm W x 4.78 cm H x 0.89 cm D)
  - r. Color(s): [As selected by Architect from manufacturer's standard colors]  
 Color(s): [As indicated on Drawings]  
 Color(s): \_\_\_\_\_
    - i. Solid Color Series: Color-through
      - 1. Classic White
      - 2. Ashwood Gray
      - 3. Slate Gray
      - 4. Desert Sand
      - 5. Wheat
      - 6. Coastal Clay
      - 7. Desert Clay
      - 8. Coastal Brown
      - 9. Cypress Green
      - 10. Denim Blue
      - 11. Barn Red
    - ii. Natural Color Series: Painted - Kynar® coating
      - 1. Antique Gray
      - 2. Harvest Cedar
      - 3. Seaside Gray
      - 4. Newport Cedar
      - 5. Sunset Cedar
      - 6. Autumn Cedar
- D. TandoShake – Rustic Cedar 9: 9-inch exposure and rich deep texture
- a. Material: Polypropylene-mineral composite
  - b. Design: staggered; rustic cedar texture
  - c. Lock: Stack up panel; continuous back hooks
  - d. Overall: 72.88" W X 11.50" H X 0.70" D (185.10cm W X 29.21cm H X 1.77cm D)
  - e. Exposed Dimension: 72.38" W X 9.13" H

(183.83cm W X 23.18cm H)

- f. Exposure:Varies 8.88" - 9.13" (Varies 22.54cm – 23.18cm)
- g. Material Thickness: 0.090" (2.29mm)
- h. Panel Projection: 0.70" (1.77cm)
- i. Panel Weight:
  - i. Solid Color: 3.22lbs (1.46kg)
  - ii. Painted Color: 3.54lbs (1.61kg)
- j. Wind Load Resistance: refer to ESR-3070 table I
- k. Impact Resistance: meet requirement per ASTM D7254
- l. Temperature Positioning Pins: Ensure precise installation
- m. Temperature Reference Line: Ensure precise installation
- n. Center Nailing Hole: Minimize movement by evenly spreading expansion and contraction
- o. Trim Accessories:
  - i. PVC J-channel, ¾" opening
  - ii. Rustic cedar 90 degree outside corner: 11.91" W X 4.33" H X 4.22" D (30.25cm H X 11.00cm W X 10.72cm D)
- p. Coordinating Accessories:
  - i. Galvanized steel universal starter strip: 120" W x 1.88" H x 0.35" D (304.80 cm W x 4.78 cm H x 0.89 cm D)
- q. Color(s): [As selected by Architect from manufacturer's standard colors]  
Color(s): [As indicated on Drawings]  
Color(s): \_\_\_\_\_
  - i. Solid Color Series: Color-through
    - 1. Classic White
    - 2. Ashwood Gray
    - 3. Slate Gray
    - 4. Desert Sand
    - 5. Wheat
    - 6. Coastal Clay
    - 7. Desert Clay
    - 8. Coastal Brown
    - 9. Cypress Green
    - 10. Denim Blue
    - 11. Barn Red
  - ii. Natural Color Series: Painted - Kynar® coating
    - 1. Antique Gray
    - 2. Harvest Cedar
    - 3. Seaside Gray
    - 4. Newport Cedar
    - 5. Sunset Cedar
    - 6. Autumn Cedar

7" exposure

- a. Material: Polypropylene-mineral composite
- b. Design: Handcut; rough-split cedar texture
- c. Lock: Stack on panel
- d. Overall: 40.13" W X 18.75" H X 1.23" D (101.93cm W X 47.63cm H X 3.12cm D)
- e. Exposed Dimension: 39.25" W X 17.54" H (99.70cm W X 44.55cm H)
- f. Exposure:Varies 8.5"-9.25" (Varies 21.59cm – 23.50cm)
- g. Material Thickness: 0.076" (1.93mm)
- h. Panel Projection: 1.23"
- i. Panel Weight:
  - i. Solid Color: 2.57lbs (1.17kg)
  - ii. Painted Color: 2.88lbs (1.31kg)
- j. Wind Load Resistance: refer to ESR-3070 table I
- k. Impact Resistance: meet requirement per ASTM D7254
- l. Temperature Positioning Pins: Ensure precise installation
- m. Temperature Reference Line: Ensure precise installation
- n. Center Nailing Hole: Minimize movement by evenly spreading expansion and contraction
- o. Trim Accessories:
  - i. PVC J-channel, 1 1/8" opening
  - ii. Hand-split 90-degree single outside corner: 12.88" H X 5.75" W X 5.75" W (32.70cm H X 14.61cm W X 14.61cm W)
- p. Coordinating Accessories:
  - i. Galvanized steel universal starter strip: 120" W x 1.88" H x 0.35" D (304.80 cm W x 4.78 cm H x 0.89 cm D)
- q. Color(s): [As selected by Architect from manufacturer's standard colors]  
Color(s): [As indicated on Drawings]  
Color(s): \_\_\_\_\_
  - i. Solid Color Series: Color-through
    - 1. Classic White
    - 2. Ashwood Gray
    - 3. Slate Gray
    - 4. Desert Sand
    - 5. Wheat
    - 6. Coastal Clay
    - 7. Desert Clay
    - 8. Coastal Brown
    - 9. Cypress Green
    - 10. Denim Blue
    - 11. Barn Red
  - ii. Natural Color Series: Painted - Kynar® coating
    - 1. Antique Gray
    - 2. Harvest Cedar

E. TandoShake – Hand-Split Shake: Rugged and rough look of hand-cut cedar with random grooves and a

3. Seaside Gray
4. Newport Cedar
5. Sunset Cedar
6. Autumn Cedar

## 2.6 FASTENERS AND ACCESSORIES

- A. Trim: Provide manufacturer's standard trim and finishing accessories with properties and in colors comparable to vinyl siding products specified.
- B. Starter Strip: Provide manufacturer's standard starter strip with properties comparable to siding products specified.
- C. Fasteners: Provide galvanized or other corrosion-resistant nails as recommended by manufacturer.

## PART 3 EXECUTION

### 3.1 EXAMINATION

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

### 3.2 PREPARATION

- A. Product should be applied over a smooth flat

surface following all local building codes.

- B. Do not begin installation until unacceptable conditions have been corrected.

### 3.3 INSTALLATION

- A. Install products in accordance with the latest instructions of the manufacturer.
- B. Miami Dade – Refer to specific installation instructions located on Manufacturer's website
- C. HVHZ - Refer to specific installation instructions located on Manufacturer's website

### 3.4 PROTECTION

- A. Protect installed products from damage during construction operations.
- B. Repair or replace damaged products before substantial completion.

### 3.5 CLEANING

- A. Prior to substantial completion using materials recommended by the manufacturer to remove dirt and debris prior to final acceptance.

## END OF SECTION