

For best results, display hidden notes to specifier.

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format

This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings. Delete all "Specifier Notes" after editing this section.

SECTION 07 46 33
Composite Stone, Polymer Shake and Shingle Siding

PART 1 GENERAL

1.1 SECTION INCLUDES

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

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

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

1.3 REFERENCES

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

- 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

1.4 DESIGN/PERFORMANCE REQUIREMENTS

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

- 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 Rustic Cedar 6
 - 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 (13420-R and 13429-R)
 - d. FBC (FL14428) – including HVHZ (Florida Building Codes – High Velocity Hurricane Zones)
 - i. Beach House Shake
 - ii. TandoShake Cape Cod Perfection
 - 1. excluding the HVHZ (refer to FL14428 and FL17789)
 - e. Miami Dade County Notice of Acceptance NOA #20-1211.02
 - i. Beach House Shake
 - ii. TandoShake Cape Cod Perfection

- f. TDI Approvals (EC-76)
 - i. Beach House Shake
 - ii. TandoShake Profiles
 - 1. Cape Cod Perfection
 - 2. Rustic Cedar 9
 - 3. Rustic Cedar 6
 - 4. Hand-Split Shake
 - 5. Rough Sawn Cedar Single
 - 6. Rough Sawn Cedar Dual
 - iii. TandoStone Profiles
 - 1. Stacked Stone
 - 2. Creek LedgeStone
- g. CALGreen 2016 (ESR-2888 and ESR-3070)
- h. National Green Building Standard 2015 (ESR-2888 and ESR-3070)
- i. Abu Dhabi International Building Code (ADIBC) 2013 (ESR-2888 and ESR-3070)

1.5 SUBMITTALS

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

- 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

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

- 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 Limited Warranty (all Tando Products), 20-Year Beautiful Freedom Limited Warranty (Beach House Shake®), 20-Year Rock Solid Limited Warranty (TandoStone®), or 10-Year Limited Warranty (TandoShake®) as appropriate.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Derby Building Products, Inc. 160, rue des Grands-Lacs, St-Augustin-de-Desmaures (Quebec), Canada G3A 2K1. Tel: 418-878-6161; www.Tandobp.com; Email: Customerservice@derbybp.com

B. Substitutions: Not permitted.

C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

2.2 MATERIALS

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

- 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
- Provide elongated nailing slots on nailing flanges to allow movement
 - Provide product that offers KAPGUARD® with Kynar® coating
 - Provide product that meet weathering requirements of ASTM D 7254
 - Provide product with weathering warranty no less than 20-year Delta E >3
 - In accordance with ICC – ES Acceptance Criteria AC366 (ESR-3070)
 - Provide positioning aids allowing for proper spacing in various temperatures
 - Provide product that does not contain airborne silica particles
 - Provide hydrophobic material that does not absorb moisture, acceptable for ground and roofline contact
 - 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
- Provide elongated nailing slots on nailing flanges to allow movement
 - Provide products that meet weathering requirements of ASTM D 7254
 - Provide product with weathering warranty no less than 20-year Delta E >3
 - Provide product that offers KAPGUARD® with Kynar® coating
 - In accordance with ICC – ES Acceptance Criteria AC366 (ESR-2888)
 - Provide panel positioning aids allowing for proper spacing in various temperatures
 - Provide product that offers applied translucent stain
 - Provide product that does not contain airborne silica particles
 - Provide hydrophobic material that does not 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
- Provide elongated nailing slots on nailing flanges to allow movement
 - Provide products that meet weathering requirements of ASTM D 7254
 - Solid Color Series: Color-through: Provide product with weathering warranty for no less than 10-year Delta E > 4
 - Natural Color Series: Painted: Provide product with weathering warranty no less than 10-year Delta E > 3
 - In accordance with ICC – ES Acceptance Criteria AC366 (ESR-2888)
 - Provide panel positioning aids allowing for proper spacing in various temperatures
 - Provide product that does not contain airborne silica particles
 - Provide hydrophobic material that does not absorb moisture, acceptable for ground and roofline contact
- D. Accessories: Molded Polypropylene accessories
- E. Trim: Provide products made of extruded polyvinyl chloride

2.3 COMPOSITE STONE SIDING

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

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)
- h. Panel Projection: 0.97" (2.47cm)
- i. Panel Weight: 3.65lbs (1.66kg)
- j. Wind Load Resistance: refer to ESR-3070 table 1
- 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. KAPGUARD® with Kynar® coating
- q. Complementary Corner Options:
 - i. 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)
 1. Color: Coordinate with Stacked Stone panel
 - ii. Vinyl Outside Corner Post:
 1. 10' Long, 1 1/8" opening, 3 3/4" face
 2. Color: As selected by Architect from manufacturers standard colors
- r. Color: As selected by Architect from manufacturers standard colors
- s. Color shall be as follows:
 - i. Lewiston Crest
 - ii. Sedona Bluff
 - iii. Santa Fe
 - iv. Chestnut Hills
 - v. Glacier Bay

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 1
- 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. KAPGUARD® with Kynar® coating
- q. Complementary Corner Options:
 - i. Creek LedgeStone 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)
 1. Color: Coordinate with Creek LedgeStone panel
 - ii. Vinyl Outside Corner Post:
 1. 10' Long, 1 1/8" opening, 3 3/4" face
 2. Color: As selected by Architect from manufacturers standard colors
- r. Color: As selected by Architect from manufacturers standard colors
- s. Color shall be as follows:
 - i. Appalachian Ash
 - ii. Bucks County Gray
 - iii. Rocky Mountain Clay
 - iv. Arizona Sandstone
 - v. Nordic Mist

2.4 STAINED POLYMER SHAKE AND SHINGLE SIDING

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

- 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 rebuted 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 #20-1211.02
 - 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: ¼" graduation on back of panel for visual reference when cutting
 - s. KAPGUARD® with Kynar® coating
 - t. Complementary Corner Options:
 - i. Beach House Shake® 90 Degree Outside Corner: 16.75" H X 3.75" W (42.55cm H X 9.53cm W)
 1. Color: Coordinate with Beach House Shake panel
 - ii. Vinyl Outside Corner Post:
 1. 10' Long, ¾" opening, 3 ¾" face
 2. Color: As selected by Architect from manufacturers standard colors
 - u. Color: As selected by Architect from manufacturers standard colors
 - v. Color shall be as follows:
 - i. Sandcastle
 - ii. Hatteras
 - iii. Pacifica
 - iv. Atlantica
- 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. Complementary Corner Options:
 - i. Rustic cedar 6 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)
 1. Color: Coordinate with Rustic Cedar 6 panel
 - ii. Vinyl Outside Corner Post:
 1. 10' Long, 1 1/8" opening, 3 ¾" face
 2. Color: As selected by Architect from manufacturers standard colors
 - r. Color(s): [As selected by Architect from manufacturer's standard colors]
 - s. Color shall be as follows:
 - i. Signature Stain: Stain
 1. Graphite

2.5 POLYMER SHAKE AND SHINGLE SIDING

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

- 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 #20-1211.02
 - k. Impact Resistance: meet requirement per ASTM D7254
 - i. Miami Dade Notice of Acceptance
 - 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: ¼" graduation on back of panel for visual reference when cutting
 - s. Complementary Corner Options:
 - i. Cape Cod Perfection 90 Degree Outside Corner: 16.75" H X 3.75" W (42.55cm H X 9.53cm W)
 - 1. Color: Coordinate with Cape Cod Perfection panel
 - ii. Vinyl Outside Corner Post:
 - 1. 10' Long, ¾" opening, 3 ¾" face
 - 2. Color: As selected by Architect from manufacturers standard colors
 - t. Color(s): [As selected by Architect from manufacturer's standard colors]
 - u. Color shall be as follows:
 - i. Ashwood Gray
 - ii. Char
 - iii. Mariner Blue
 - iv. Slate Gray
 - v. White
 - vi. Wheat
- B. TandoShake® – Roughsawn Cedar Single: 6 ½-inch exposure, random mill saw marks and a long, subtle grain for a clean, classic look
- a. Material: Polypropylene
 - 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" H X 0.61" D (228.60cm W X 21.59cm H 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 1
 - 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. Complementary Corner Options:
 - i. 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)
 - 1. Color: Coordinate with Roughsawn Cedar Single panel
 - ii. Vinyl Outside Corner Post:
 - 1. 10' Long, ¾" opening, 3 ¾" face
 - 2. Color: As selected by Architect from manufacturers standard colors
 - o. Color(s): [As selected by Architect from manufacturer's standard colors]
 - p. Color shall be as follows:
 - i. Solid Color Series: Color-through
 - 1. Ashwood Gray
 - 2. Barn Red
 - 3. Classic White



4. Coastal Brown
 5. Coastal Clay
 6. Cypress Green
 7. Denim Blue
 8. Desert Clay
 9. Desert Sand
 10. Mariner Blue
 11. Slate Gray
- ii. Natural Color Series: Painted
1. Antique Gray
 2. Autumn Cedar
 3. Harvest Cedar
 4. Newport Cedar
 5. Seaside Gray

C. TandoShake® – Roughsawn Cedar Dual: 6 ½-inch exposure, random mill saw marks and a long, subtle grain for a clean, classic look

- a. Material: Polypropylene
- 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 13.00" H (140.97cm W X 33.02cm 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 1
- 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. Complementary Corner Options:
 - i. 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 10.80cm D)
 1. Color: Coordinate with Roughsawn Cedar Dual panel
 - ii. Vinyl Outside Corner Post:
 1. 10' Long, ¾" opening, 3 ¾" face
 2. Color: As selected by Architect from manufacturer's standard colors
- q. Color(s): [As selected by Architect from manufacturer's standard colors]
- r. Color shall be as follows:
 - i. Solid Color Series: Color-through
 1. Ashwood Gray
 2. Barn Red
 3. Classic White
 4. Coastal Brown
 5. Coastal Clay
 6. Cypress Green
 7. Denim Blue
 8. Desert Clay
 9. Desert Sand
 10. Mariner Blue
 11. Slate Gray
 - ii. Natural Color Series: Painted
 1. Antique Gray
 2. Autumn Cedar
 3. Harvest Cedar
 4. Newport Cedar
 5. Seaside Gray

D. TandoShake® – Rustic Cedar 9: 9-inch exposure and rich deep texture

- a. Material: Polypropylene
- 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 1
- 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. Complementary Corner Options:
 - i. 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)
 - 1. Color: Coordinate with Rustic Cedar 9 panel
 - ii. Vinyl Outside Corner Post:
 - 1. 10' Long, 1 1/8" opening, 3 3/4" face
 - 2. Color: As selected by Architect from manufacturers standard colors
- p. Color(s): [As selected by Architect from manufacturer's standard colors]
- q. Color shall be as follows:
 - i. Solid Color Series: Color-through
 - 1. Ashwood Gray
 - 2. Barn Red
 - 3. Classic White
 - 4. Coastal Brown
 - 5. Coastal Clay
 - 6. Cypress Green
 - 7. Denim Blue
 - 8. Desert Clay
 - 9. Desert Sand
 - 10. Mariner Blue
 - 11. Slate Gray
 - ii. Natural Color Series: Painted
 - 1. Antique Gray
 - 2. Autumn Cedar
 - 3. Harvest Cedar
 - 4. Newport Cedar
 - 5. Seaside Gray

E. TandoShake® – Hand-Split Shake: Rugged and rough look of hand-cut cedar with random grooves and a 7" exposure

- a. Material: Polypropylene
- 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 1
- 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. Complementary Corner Options:
 - i. 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)
 - 1. Color: Coordinate with Hand-Split Shake panel
 - ii. Vinyl Outside Corner Post:
 - 1. 10' Long, 1 1/8" opening, 3 3/4" face
 - 2. Color: As selected by Architect from manufacturers standard colors
- p. Color(s): [As selected by Architect from manufacturer's standard colors]
- q. Color shall be as follows:
 - i. Solid Color Series: Color-through
 - 1. Ashwood Gray
 - 2. Barn Red
 - 3. Classic White
 - 4. Coastal Brown
 - 5. Coastal Clay
 - 6. Cypress Green
 - 7. Denim Blue



8. Desert Clay
9. Desert Sand
10. Mariner Blue
11. Slate Gray
- ii. Natural Color Series: Painted
 1. Antique Gray
 2. Autumn Cedar
 3. Harvest Cedar
 4. Newport Cedar
 5. Seaside Gray

2.6 ACCESSORIES, TRIM, AND FASTENERS

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

A. Universal Accessories:

- a. Architectural Sill: 30.13" W X 2.63" H x 2.5" D (76.52cm W X 6.67cm H X 6.35cm D)
 - i. Color: As selected by Architect from manufacturers standard colors
 - ii. Color shall be as follows:
 1. Pewter
 2. Raven
 3. Sable
- b. Architectural Sill Corner: 5.0" W X 2.63" H X 2.5" D (12.7cm W X 6.67cm H X 6.35cm D)
 - i. Color: Coordinate with Architectural Sill
- c. Universal Starter Strip: 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)

B. Trim: Extruded vinyl j-channel

- a. J-channel 1 1/8" – 12'6" Long, 1 1/8" opening, 1 1/8" Face
 - i. Color: As selected by Architect from manufacturers standard colors
- b. J-channel 3/4" – 12'6" Long, 3/4" opening, 1 1/8" Face
 - i. Color: As selected by Architect from manufacturers standard colors

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. High Velocity Hurricane Zone (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