

## SECTION 07312 – PVC THATCH SHINGLE ROOFING SYSTEM

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### PART 3- EXECUTION

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#### 3.01 EXAMINATION

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- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.
  - 1. Examine roof sheathing to verify that sheathing joints are supported by framing and blocking or metal clips and that installation is within flatness tolerances.
  - 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and completely anchored; and that provision has been made for flashings and self-adhering membrane.
  - 3. Submit written report, to the Contractor signed by Installer, listing conditions detrimental to performance of work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.02 UNDERLAYMENT INSTALLATION

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- A. Self-Adhering Sheet Underlayment: Install self-adhering sheet underlayment, wrinkle free, on roof deck. Comply with low-temperature installation restrictions of underlayment manufacturer if applicable. Install at locations indicated below and on Drawings, lapped in direction to shed water. Lap sides not less than 3-1/2 inches Lap ends not less than 6 inches staggered 24 inches between courses.
  - 1. Hips: Extend bottom corner inches on each side 3 inches

#### 3.03 FLASHING INSTALLATION

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- A. General: Install metal flashings and other sheet metal to comply with requirements in Section 07600-SHEET METAL FLASHING.
  - 1. Eave Drip Edges: Install eave drip edge flashings below underlayment and fasten to roof sheathing.

#### 3.04 PVC THATCH SHINGLE INSTALLATION

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- A. Install Endureed® Kilimanjaro PVC Thatch Shingles according to manufacturer’s written instructions.
  - 1. Eave & Beginning Course installation: Install “Eave Wadd” block or “Starter” bent shingles as required by project, with spacing & layout per manufacturer’s installation drawings.
  - 2. Install the remaining courses of thatch shingles with Endureed® Kilimanjaro field shingles, stair-stepping diagonally across roof deck with manufacturer’s recommended offset pattern at succeeding courses, maintaining uniform exposure of 5 -inches.
  - 3. At hips, bend Endureed® Kilimanjaro shingle to conform to hip, install shingle spaced evenly to allow for two hip courses to one field course.
  - 4. Fasten Endureed® Kilimanjaro PVC thatch shingle with a minimum of three roofing nails through pre-punched holes in binder strip, according to manufacturer’s written instructions. For shingle application

at hips, when pre-punched holes may not be available, nail holes may be drilled through the binder strips, or stapled with pneumatic narrow crown stainless steel staples.