PRI Evaluation Report

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Last Issue: Original Issue
This Report is Reviewed Annually
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Report Holder:

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SCOPE

Subject: Asphalt Shingles

CSI MasterFormat®:

DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION
Sub-level 2: 07 30 00 – Steep Slope Roofing
Sub-level 3: 07 31 00 – Shingles and Shakes
Sub-level 4: 07 31 13 – Asphalt Shingles

Code References:

- F.A.C. Rule 61G20-3
- Florida Building Code, 8th Edition (2023) including the High-Velocity Hurricane Zone

Properties Evaluated:

- External Fire Exposure (ASTM E108)
- Wind Resistance (ASTM D3161; ASTM D7158; TAS 100; TAS 107)
- Wind Driven Rain Resistance (TAS 100)
- Physical Properties (ASTM D3462)
- Impact Resistance (UL 2218)

Evidence Submitted:

- Recognized test report(s) indicating compliance with ASTM E108
- Recognized test report(s) indicating compliance with ASTM D3161 & TAS 107
- Recognized test report(s) indicating compliance with ASTM D7158
- Recognized test report(s) indicating compliance with ASTM D3462
- Recognized test report(s) indicating compliance with UL 2218
- Recognized test report(s) indicating compliance with TAS 100
- Quality Documentation
- Manufacturer's Drawings and Installation Instructions

Manufacturing Locations:

Factory ID	Location
Ardmore, OK	2300 South Veterans Blvd Ardmore, OK 73401
Daingerfield, TX	1100 E. Georgia Pacific Dr. Daingerfield, TX 75638
Franklin, OH	675 Oxford Rd. Franklin, OH 45005
Hampton, GA	100 Pine View Dr. Hampton, GA 30228
Meridian, MS	802 Hwy 19 N. #190 Meridian, MS 39307

PRODUCT DESCRIPTIONS and APPLICATIONS

Products:

Pinnacle® Impact
Pinnacle® Pristine
Pinnacle® Sun
ProLam®
StormMaster® Shake
Pro-Cut® Hip & Ridge
ProLam® Hip & Ridge
StormMaster® Hip & Ridge
Pro-Cut® HP42® Starter

Product Descriptions:

ATLAS ROOFING asphalt shingles are roof covering materials that conform with the following properties when installed as instructed in this report. The products come in standard sizes and consist of laminated shingles and accessory shingles.

Laminated (multi-layer): Laminated shingles. The shingles are manufactured with 2 layers of fiberglass mat coated with asphalt on both sides, and surfaced on the weather-exposed side with mineral granules.

Product:	Factory IDs:	Dimensions:
Pinnacle® Impact	Daingerfield, TX; Meridian, MS	42” x 14”
Pinnacle® Pristine	Ardmore, OK; Daingerfield, TX; Franklin, OH; Hampton, GA; Meridian, MS	42” x 14”
Pinnacle® Sun	Meridian, MS	42” x 14”
ProLam®	Ardmore, OK; Daingerfield, TX; Franklin, OH; Hampton, GA; Meridian, MS	42” x 14”
StormMaster® Shake	Daingerfield, TX	42” x 14”

Accessory (hip and ridge): Prefabricated hip and ridge shingles.

Product:	Factory IDs:	Dimensions:
Pro-Cut® Hip & Ridge	Ardmore, OK; Hampton, GA	12” x 12”
ProLam® Hip & Ridge	Ardmore, OK; Hampton, GA	12” x 12”
StormMaster® Hip & Ridge	Ardmore, OK	12” x 12”

Accessory (starter): Prefabricated starter course shingles.

Product:	Factory IDs:	Dimensions:
Pro-Cut® HP42® Starter	Ardmore, OK; Hampton, GA	42” x 8”

Fire Classification:

ATLAS ROOFING asphalt shingles are a classified roof covering in accordance with ASTM E108 when installed in accordance with the listing directory for PRI Validation Program for Building Materials and the ATLAS ROOFING installation instructions, and qualify for use under the following code:

- *FBC* Section 1505.1
- *FRC* Section R902.1

Listing directory for PRI Validation Program for Building Materials:

Wind Resistance:

ATLAS ROOFING asphalt shingles covered under this report have been tested for wind resistance in accordance with the following test methods:

Shingles tested in accordance with ASTM D3161 & TAS 107 are classified as Class F and qualify for use under the exception to the following code:

- *FBC* Section 1507.2.7.1 & 1523.6.5.1
- *FRC* Section R905.2.6.1

Shingles tested in accordance with ASTM D7158 are classified as Class H and qualify for use in locations as shown in the following code:

- *FBC* Section 1507.2.7.1
- *FRC* Section R905.2.6.1

Outside of the HVHZ, where the maximum basic wind speed is 194 mph or less in exposure category B or C (ASCE 7) and a

maximum building height of 60 feet (18.3 m), installation must be in accordance with the following code as applicable:

- *FBC* Section 1507.2.7
- *FRC* Section R905.2.6

Inside the HVHZ, installation of asphalt shingles must be limited to a mean roof height of 33 feet. Installation must be in accordance with the following code as applicable:

- *FBC* Section 1523.7 and RAS 115

Wind Driven Rain Resistance:

ATLAS ROOFING asphalt shingles covered under this report have been tested for wind driven rain resistance in accordance with TAS 100 and qualify for use under *FBC* Section 1523.6.5.1.

Physical Properties:

ATLAS ROOFING asphalt shingles covered under this report have been tested for physical properties in accordance with ASTM D3462 and qualify for use under the following code:

- *FBC* Section 1507.2.5 and 1523.6.5.1
- *FRC* Section R905.2.4

Impact Resistance:

ATLAS ROOFING asphalt shingles covered under this report have been tested for impact resistance in accordance with UL 2218. Classification of asphalt shingles accessories can be found at the PRI Validation Program for Building Materials.

INSTALLATION – GENERAL

ATLAS ROOFING asphalt shingles must be installed in accordance with the applicable code, this report, and the manufacturer's published installation instructions, which must be available at all times on the jobsite during installation. Minimum roof slopes must be 2:12 (16.67% slope or 9°). The shingles must be installed in accordance with the following code as applicable, except as noted in this report:

- *FBC* Section 1507.2 or 1518.7
- *FRC* Section R905.2

Deck:

The roof deck must be code-complying, minimum $^{3}/_{8}$ inch thick, Exposure 1, plywood complying with DOC PS-1; OSB rated sheathing complying with DOC PS-2; or solid sheathing using minimum nominal 1 by 6 lumber.

Underlayment:

Underlayment must comply with ASTM D226, ASTM D1970, ASTM D4869, ASTM D6757, or ASTM D8257 as specified in the following code:

- *FBC* Section 1507.1.1 or 1518.2
- *FRC* Section R905.1.1

Underlayment shall be installed in accordance with the following code:

- *FBC* Section 1507.1.1.1 or 1518.2.1
- *FRC* Section R905.1.1.1

Fasteners:

Fasteners must comply with the code, ASTM F1667, and be minimum No. 12 gage (0.105 inch), $^{3}/_{8}$ inch diameter head, galvanized, stainless steel, aluminum or copper corrosion-resistance nails. Fasteners must penetrate into the deck minimum $^{3}/_{4}$ inch, or through the deck, where the deck is less than $^{3}/_{4}$ inch thick. Inside the HVHZ, only *approved* roofing nails shall be used.

Asphalt Cement:

Asphalt cement must comply with ASTM D4586.

Sealant:

Sealant must comply with ASTM C920.

Valley Construction and Other Flashing:

Valleys must consist of woven, open valley or closed-cut construction and must be flashed in accordance with the following code as applicable:

- *FBC* Section 1507.2.9.2 or RAS 115
- *FRC* Section R905.2.8.2

Other flashings must comply with the following code as applicable:

- *FBC* Section 1507.2.9 or RAS 115
- *FRC* Section R905.8

Reroofing:

Prior to the reroofing, hip and ridge coverings must be removed. The existing asphalt shingle roof covering must be inspected in accordance with the provisions and limitations of the following codes as applicable:

- *FBC* Section 1511 or 1521
- *FRC* Section R908

The shingles must be installed in accordance with this report. Fasteners must be of sufficient length to penetrate $^{3}/_{4}$ inch into the deck, or through the deck where the deck is less than $^{3}/_{4}$ inch thick.

INSTALLATION – ASPHALT SHINGLES

Starter Shingles:

A starter course of **Pro-Cut® HP42® Starter** must be separated along the factory perforation and attached to the eave edge using a minimum of four (4) fasteners per shingle, located 1-$^{1}/_{2}$ to 3 inches from the eave edge and spaced a shown in Figure 2 below. The starter strip must overhang the eaves and rake edges by $^{1}/_{4}$ to $^{3}/_{4}$ inch. See Figures 1 and 2.

Figure 1 – Pro-Cut® HP42® Starter

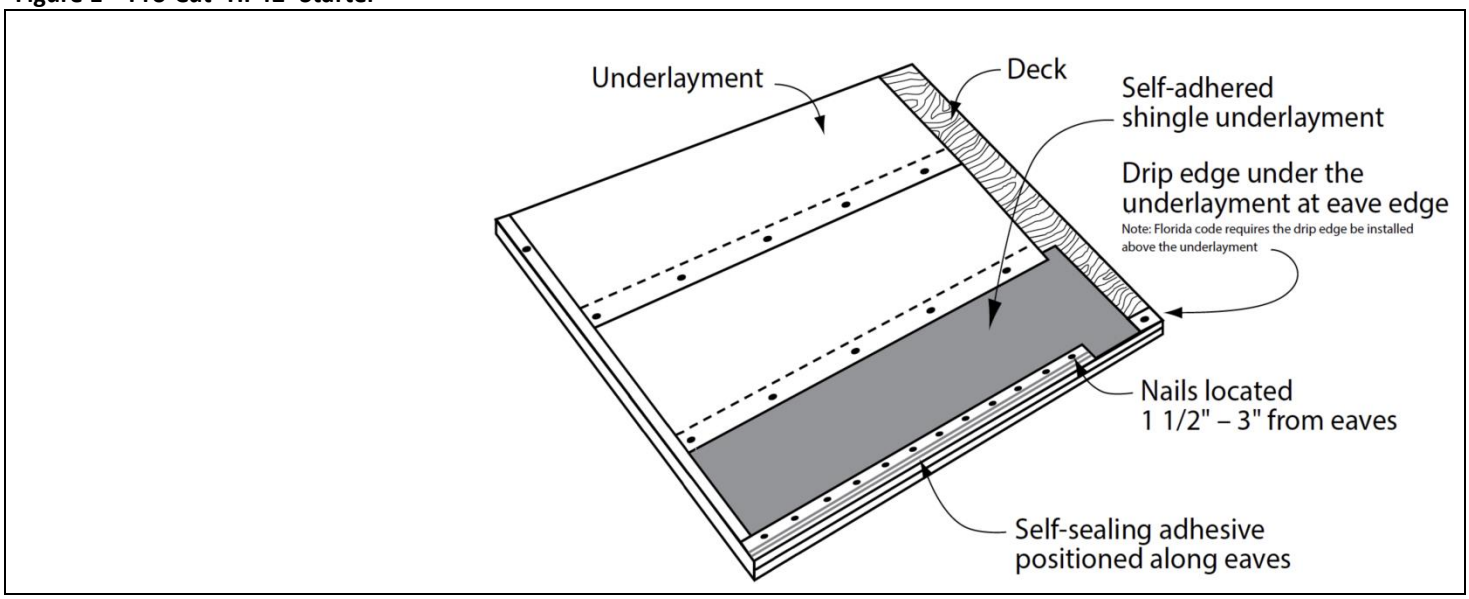
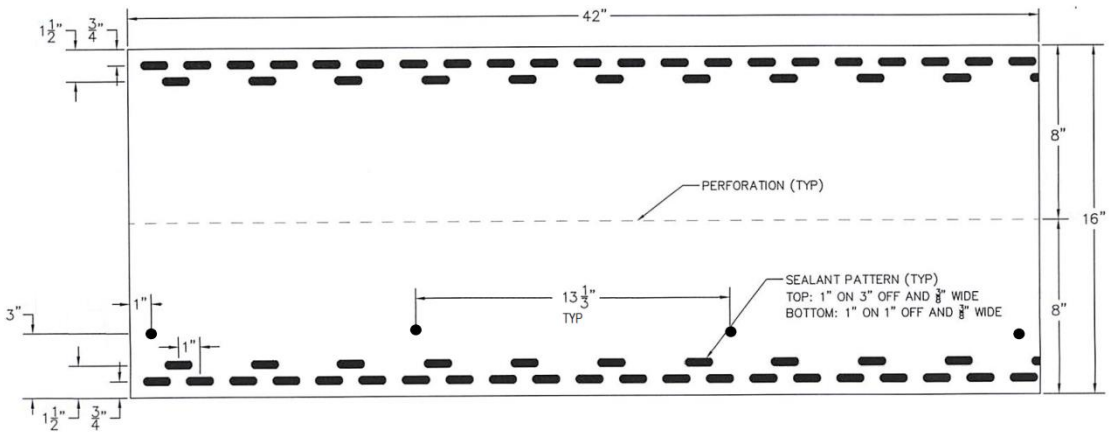


Figure 2 – Pro-Cut® HP42® Starter

Fastening Pattern:



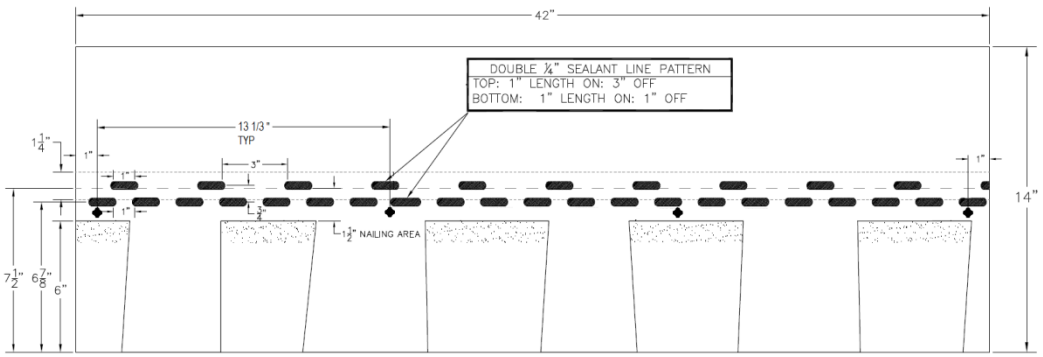
Field Shingles:

Pinnacle® Pristine, Pinnacle® Impact, Pinnacle® Sun, StormMaster® Shake: For roof slopes of 2:12 up to 21:12 (16.67% or 9° up to 175% or 60°), use a minimum of four (4) fasteners per shingle; a minimum of six (6) fasteners per shingle must be used in the High-Velocity Hurricane Zones. For roof slopes over 21:12 (175% or 60°), use a minimum of six (6) fasteners per shingle and six (6) 1 inch diameter spots of asphalt cement placed 1 inch up from the bottom edge of the shingle and spaced equally across the shingle with the two outer spots located 1 inch from each outer edge. See Figure 3 for fastener spacing. Fasteners must be located 7 inch from the bottom edge of the shingles, with one nail 1 inch from each outer edge, and the remaining fasteners equally spaced between the outer nails. Maximum exposure to the weather must be 6 inches.

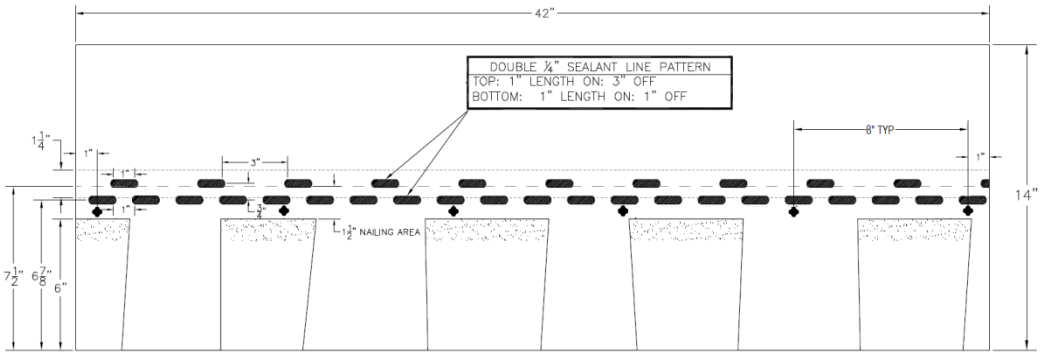
Apply the first course starting with a full shingle, aligned even with starter. Subsequent shingle courses must be installed with vertical joints offset 6 inches apart from preceding and succeeding courses in staircase fashion.

Figure 3 - Pinnacle® Pristine, Pinnacle® Impact, Pinnacle® Sun, and StormMaster® Shake

Four (4) Fastener Pattern:



Six (6) Fastener Pattern:



ProLam®: For roof slopes of 2:12 up to 21:12 (16.67% or 9° up to 175% or 60°), use a minimum of four (4) fasteners per shingle; a minimum of six (6) fasteners per shingle must be used in the High-Velocity Hurricane Zones. For roof slopes over 21:12 (175% or 60°), use a minimum of six (6) fasteners per shingle and six (6) 1 inch diameter spots of asphalt cement placed 1 inch up from the bottom edge of the shingle and spaced equally across the shingle with the two outer spots located 1 inch from each outer edge. See Figure 4 for fastener spacing. Fasteners must be located 7 inch from the bottom edge of the shingles, with one nail 1 inch from each outer edge, and the remaining fasteners equally spaced between the outer nails. Maximum exposure to the weather must be 6 inches.

Apply the first course starting with a full shingle, aligned even with starter. Subsequent shingle courses must be installed with vertical joints offset 6 inches apart from preceding and succeeding courses in staircase fashion.

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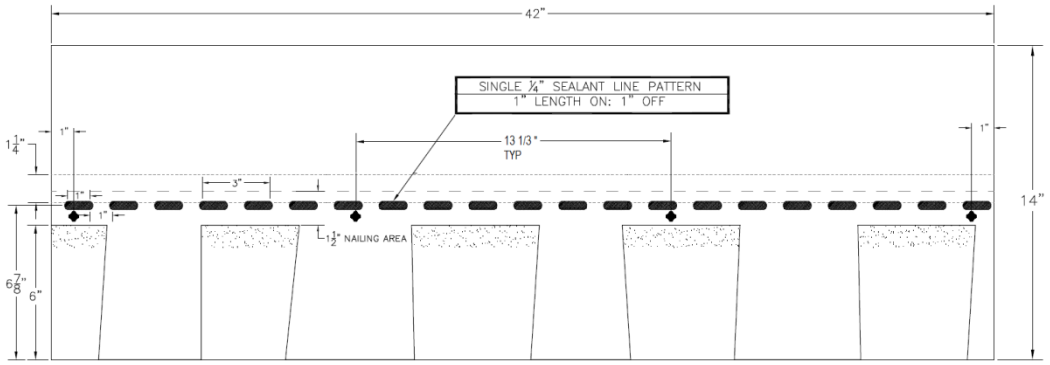
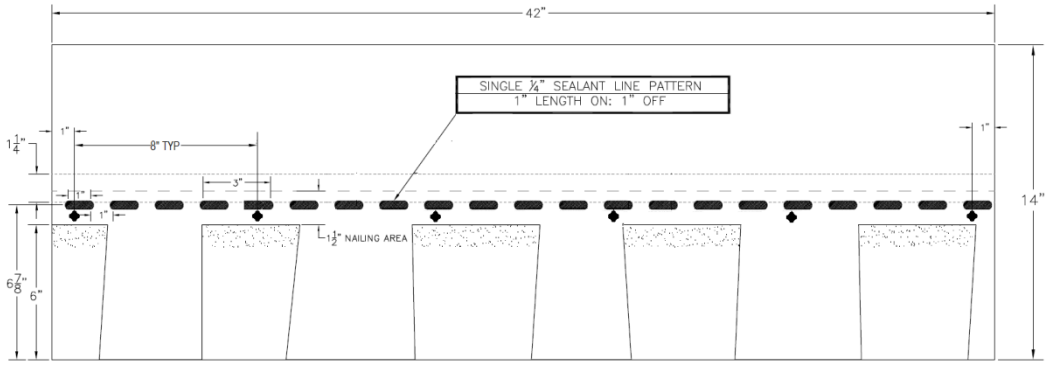
Figure 4 - ProLam®

Four (4) Fastener Pattern:



Six (6) Fastener Pattern:

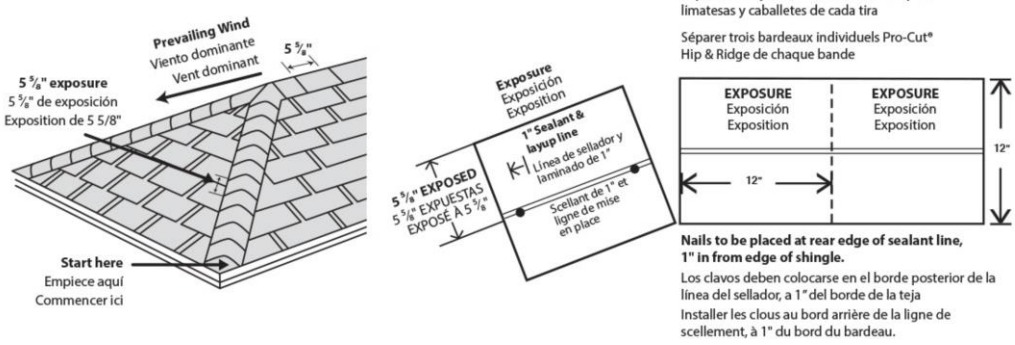


Hip and Ridge Shingles:

Complete field shingle application before applying hip and ridge shingles. Hip shingles must be applied before applying ridge shingles. Arrange hip and ridge shingles along center line so that both halves of the laminated piece fall on opposite sides of the hip or ridge. When finishing ridge, leave no headlap or laminated portion exposed; cover exposed fasteners with asphalt cement.

Pro-Cut® Hip & Ridge, ProLam® Hip & Ridge, and StormMaster® Hip & Ridge: Use two (2) fasteners per shingle applied 6 inches from the exposed edge and 1 inch from each outer edge. See Figure 5 for fastener placement. Maximum exposure to the weather must be 5-$^{5}/_{8}$ inches.

Figure 5 - Pro-Cut® Hip & Ridge, ProLam® Hip & Ridge, and StormMaster® Hip & Ridge

Two (2) Fastener Pattern: 12” x 12” shingle	

CONDITIONS OF USE & IDENTIFICATION

The ATLAS ROOFING Asphalt Shingles described in this report comply with the codes listed in this report, subject to the following conditions:

- The products as well as the installation methods must be in compliance with the applicable code, this report, and the installation instruction provided by the manufacturer. If the manufacturer's installation instructions differ from what is listed in this report, this report governs.
- This report does not supersede the local jurisdiction regulations and the final approval of the building products, materials, or systems in this report is the responsibility of the authorities having jurisdiction.
- This report is only valid if the product(s) and/or the referenced documentation/codes related to the products do not change. If there is a change in product(s) and/or the referenced documentation/codes related to the products, PRI Construction Materials Technologies, LLC must be informed and further action may be necessary to revalidate this report.
- This report, in its entirety, must be available at job sites upon request by the user or for inspection by the Building Official. A copy of this report in full shall be provided by the manufacturer or its distributors.
- The products are identified by marks bearing the report holder's name, the manufacture location, the product name, and the Seal of PRI Validation Program for Building Materials. The Seal shall indicate, at a minimum, the following:
  a. ASTM E108 – Class A
  b. ASTM D3161 – Class F
  c. ASTM D7158 – Class H
  d. ASTM D3462
- The products are manufactured at the locations listed in this report and are manufactured under a quality control program with surveillance and/or inspections by PRI Construction Materials Technologies, LLC.
- This report is a supplement to product certification. The products listed herein must be certified separately under the PRI Validation Program for Building Products. This report alone is not a product certification and requires separate product certification under the PRI Validation Program for Building Products to be valid.
- The current status of this report as well as a directory of certified products, including supplemental PRI Evaluation Reports, can be found at pri-group.com.