

Registry No. 29824 17520 Edinburgh Dr Tampa, FL 33647 (813) 480-3421

Issued February 11, 2021

EVALUATION REPORT

FLORIDA BUILDING CODE 7TH EDITION (2020)

Manufacturer: ATLAS ROOFING CORPORATION

2000 Riveredge Parkway, Suite 800

Atlanta, GA 30328 (770) 612-6267

Manufacturing Plants: Hampton, GA

> Meridian, MS Dangerfield, TX Ardmore, OK Franklin, OH

Quality Assurance: PRI Construction Materials Technologies, LLC

(QUA9110)

SCOPE

Category: Roofing

Asphalt Shingles Subcategory:

Florida Building Code, 7th Edition (2020) including High-Velocity Hurricane Zones (HVHZ) 1504.1.1, 1507.2.5, 1507.2.7.1, 1523.6.5.1 **Code Edition:**

Code Sections:

Physical properties, Wind Resistance, Wind Driven Rain **Properties:**

PRODUCT DESCRIPTION

Franklin & Meridian)

Legend (Ardmore) ASTM D 3161, Class F fiberglass reinforced, 3-tab asphalt shingle with a dashed,

thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462.

GlassMaster® 30 ASTM D 3161. Class F fiberglass reinforced, 3-tab asphalt shingle with a dashed.

(Ardmore & Hampton) thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462.

Tough-Master® 20 ASTM D 3161, Class F fiberglass reinforced, 3-tab asphalt shingle with a dashed,

(Ardmore & Hampton) thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462.

Pro-Cut® Hip & Ridge ASTM D 3161, Class F fiberglass reinforced, hip and ridge asphalt shingle with a (Ardmore & Hampton)

dashed, thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462.

Pro-Cut® Starter Strip ASTM D 3161, Class F fiberglass reinforced, starter asphalt shingle with a dashed,

(Ardmore & Hampton) thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462.

ProLAM™ Architectural ASTM D 3161, Class F & ASTM D 7158, Class H fiberglass reinforced, laminated (Hampton, Franklin & architectural asphalt shingle with a dashed, thermally-activated, self-sealing sealant

Meridian) stripe that complies with ASTM D 3462.

Pinnacle® Pristine, ASTM D 3161, Class F & ASTM D 7158, Class H fiberglass reinforced, laminated Pinnacle® Pristine architectural asphalt shingle with two, dashed, thermally-activated, self-sealing sealant Lifetime w/Scotchgard stripes that complies with ASTM D 3462. (Dangerfield, Hampton,

StormMaster® Hip & ASTM D 3161, Class F fiberglass reinforced, hip and ridge modified asphalt shingle Ridge (Ardmore) with a dashed, thermally-activated, self-sealing sealant stripe that complies with ASTM

D 3462.

ATL13002.10 FL 16305-R10 Page 1 of 11



StormMaster® Shake (Dangerfield)

ASTM D 3161, Class F & ASTM D 7158, Class H fiberglass reinforced, laminated architectural modified asphalt shingle with two, dashed, thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462.

StormMaster® Slate (Ardmore)

ASTM D 3161, Class F & ASTM D 7158, Class H fiberglass reinforced, laminated architectural modified asphalt shingle with two, dashed, thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462.

REFERENCES

PRI Construction Materials Technologies (TST5878) PRI Construction Materials Technologies (TST58	Entity PRI Construction Materials Technologies (TST5878)	Report No. ATL-079-02-01	Standard ASTM D 3161	<u>Year</u> 2016
PRI Construction Materials Technologies (TST5878) PRI Construction Materials Technologies (TST58	DDI Construction Materials Technologies (TCT5070)	ATI 000 00 04	TAS 107	2020
PRI Construction Materials Technologies (TST5878) ATL-106-02-01 ASTM D 3462 2010A 2020 2010A 2020 PRI Construction Materials Technologies (TST5878) ATL-106-02-01 Rev 1 ASTM D 3161 2016 ASTM D 3161 2016 TAS 107 2020 PRI Construction Materials Technologies (TST5878) ATL-106-02-01 Rev 1 ASTM D 3161 ASTM D 3161 2016 TAS 100 1995 ASTM D 3161 2016 TAS 100 1995 ASTM D 3162 2010 ASTM D 3462 2				
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ATL13002.10 FL 16305-R910	- ' '		TAS 107	2020
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This evaluation report is provided for State of Florida product approval under Rule 61G20-3. The manufacturer shall notify CREEK Technical Services, LLC of any product changes or quality assurance changes throughout the duration for which this report is valid.

This evaluation report does not express nor imply warranty, installation, recommended use, or other product attributes that are not specifically addressed herein.



Entity	Report No.	Standard	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	ATL-221-02-04	ASTM D 7158	2019
PRI Construction Materials Technologies (TST5878)	ATL-222-02-01	ASTM D 3462	2010A
PRI Construction Materials Technologies (TST5878)	ATL-222-02-02	TAS 100	1995
PRI Construction Materials Technologies (TST5878)	ATL-222-02-03	ASTM D 3161	2016
		TAS 107	2020
PRI Construction Materials Technologies (TST5878)	ATL-222-02-04	ASTM D 7158	2019
PRI Construction Materials Technologies (TST5878)	ATL-223-02-01	ASTM D 3462	2010A
PRI Construction Materials Technologies (TST5878)	ATL-223-02-02	TAS 100	1995
PRI Construction Materials Technologies (TST5878)	ATL-223-02-03	ASTM D 3161	2016
		TAS 107	2020
PRI Construction Materials Technologies (TST5878)	ATL-223-02-04	ASTM D 7158	2019
PRI Construction Materials Technologies (TST5878)	ATL-224-02-01	ASTM D 3462	2010A
PRI Construction Materials Technologies (TST5878)	ATL-225-02-01	ASTM D 3462	2010A
PRI Construction Materials Technologies (TST5878)	ATL-225-02-02	TAS 100	1995
PRI Construction Materials Technologies (TST5878)	ATL-225-02-03	ASTM D 3161	2016
		TAS 107	2020
PRI Construction Materials Technologies (TST5878)	ATL-225-02-04	ASTM D 7158	2019
PRI Construction Materials Technologies (TST5878)	117T0021	ASTM D 3462	2010A
PRI Construction Materials Technologies (TST5878)	117T0026	ASTM D 3462	2010A
PRI Construction Materials Technologies (TST5878)	117T0027	TAS 100	1995
PRI Construction Materials Technologies (TST5878)	117T0028	ASTM D 3161	2016
		TAS 107	2020
CREEK Technical Services LLC (ANE11669)	ATL13002.7	Calculations	2018



INSTALLATION

LegendBasic Wind Speed (V_{ult}): Max. 194 mph
Basic Wind Speed (V_{asd}): Max. 150 mph

Deck (HVHZ): In accordance with FBC requirements;

Solidly sheathed min. 19/32 in. plywood or wood plank for new construction; Min. 15/32 in. plywood existing

construction.

Deck (Non-HVHZ): Solidly sheathed in accordance with FBC requirements.

Underlayment: In accordance with FBC requirements.

Min. slope: 2:12 and in accordance with FBC requirements. Contact

the Atlas Roofing Corporation when installing at slope

greater than 21:12.

Installation (HVHZ): Installed with 5-inch exposure in accordance with RAS 115

and manufacturer's published installation instructions. Shingles shall be attached using "6 Nail Pattern" detailed

below.

Installation (Non-HVHZ): Installed with 5-inch exposure in accordance with FBC

requirements and manufacturer's published installation instructions. Shingles shall be attached using either "4 Nail

Pattern" or "6 Nail Pattern" detailed below.

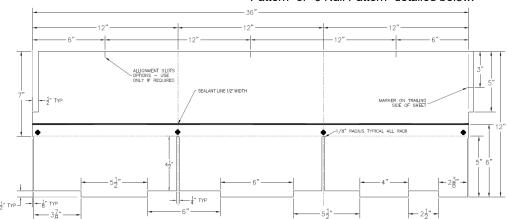


Figure 1. Legend 4 Nail Pattern (Non-HVHZ only)

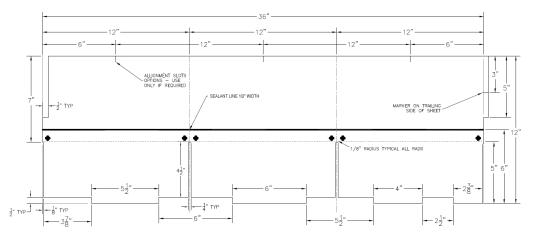


Figure 2. Legend 6 Nail Pattern

ATL13002.10 FL 16305-R910 Page 4 of 11



GlassMaster® 30

&

Tough-Master® 20

Basic Wind Speed (V_{ult}): Basic Wind Speed (V_{asd}):

Deck (HVHZ):

Max. 194 mph Max. 150 mph

In accordance with FBC requirements;

Solidly sheathed min. 19/32 in. plywood or wood plank for new construction; Min. 15/32 in. plywood existing

construction.

Deck (Non-HVHZ): Solidly sheathed in accordance with FBC requirements.

Underlayment: In accordance with FBC requirements.

Min. slope: 2:12 and in accordance with FBC requirements. Contact

the Atlas Roofing Corporation when installing at slope

greater than 21:12.

Installation (HVHZ): Installed with 5-inch exposure in accordance with RAS 115

and manufacturer's published installation instructions. Shingles shall be attached using "6 Nail Pattern" detailed

below.

Installation (Non-HVHZ): Installed with 5-inch exposure in accordance with FBC

requirements and manufacturer's published installation instructions. Shingles shall be attached using either "4 Nail

Pattern" or "6 Nail Pattern" detailed below.

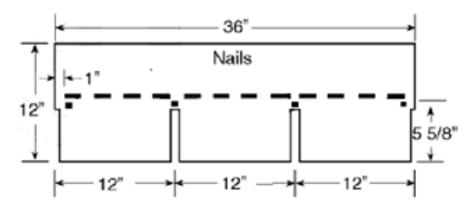


Figure 3. GlassMaster® 30 & Tough-Master® 20 4 Nail Pattern (Non-HVHZ only)

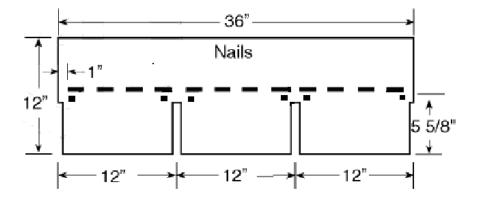


Figure 4. GlassMaster® 30 & Tough-Master® 20 6 Nail Pattern



ProLAM™ Architectural

 $\begin{array}{ll} \text{Basic Wind Speed (V_{ult}):} & \text{Max. 194 mph} \\ \text{Basic Wind Speed (V_{asd}):} & \text{Max. 150 mph} \end{array}$

Deck (HVHZ): In accordance with FBC requirements;

Solidly sheathed min. 19/32 in. plywood or wood plank for new construction; Min. 15/32 in. plywood existing

construction.

Deck (Non-HVHZ): Solidly sheathed in accordance with FBC requirements.

Underlayment: In accordance with FBC requirements.

Min. slope: 2:12 and in accordance with FBC requirements. Contact

the Atlas Roofing Corporation when installing at slope

greater than 21:12.

Installation (HVHZ): Installed with 6 in. exposure in accordance with RAS 115

and manufacturer's published installation instructions. Shingles shall be attached using "6 Nail Pattern" detailed

below.

Installation (Non-HVHZ): Installed with 6 in. exposure in accordance with FBC

requirements and manufacturer's published installation instructions. Shingles shall be attached using either "4 Nail

Pattern" or "6 Nail Pattern" detailed below.

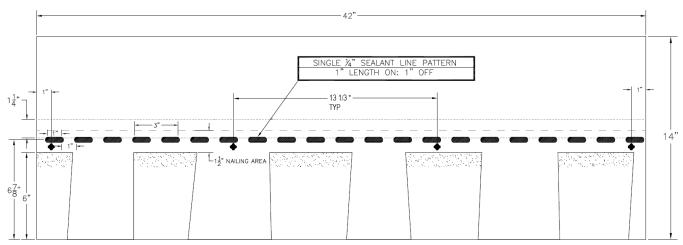


Figure 5. ProLAM™ Architectural Shingle 4 Nail Pattern (non-HVHZ only)

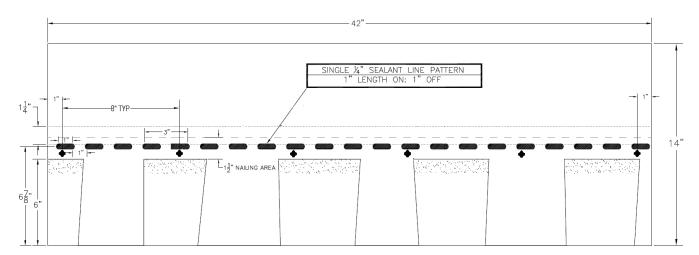


Figure 6. Pro-LAM™ Architectural Shingle 6 Nail Pattern

ATL13002.10 FL 16305-R910 Page 6 of 11



Pinnacle® Pristine

ጼ

StormMaster® Shake

Basic Wind Speed (V_{ult}): Basic Wind Speed (V_{asd}):

sic Wind Speed (V_{asd}): Max. 150 mph

Deck (HVHZ): In accordance with FBC requirements;

Max. 194 mph

Solidly sheathed min. 19/32 in. plywood or wood plank for new construction; Min. 15/32 in. plywood existing

construction.

Deck (Non-HVHZ): Solidly sheathed in accordance with FBC requirements.

Underlayment: In accordance with FBC requirements.

Min. slope: 2:12 and in accordance with FBC requirements. Contact

the Atlas Roofing Corporation when installing at slope

greater than 21:12.

Installation (HVHZ): Installed with 6 in. exposure in accordance with RAS 115

and manufacturer's published installation instructions. Shingles shall be attached using "6 Nail Pattern" detailed

below.

Installation (Non-HVHZ): Installed with 6 in. exposure in accordance with FBC

requirements and manufacturer's published installation instructions. Shingles shall be attached using either "4 Nail

Pattern" or "6 Nail Pattern" detailed below.

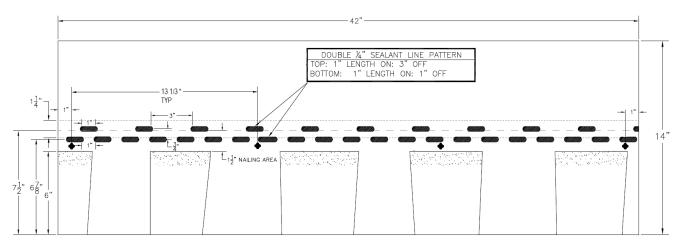


Figure 7. Pinnacle® Pristine and StormMaster® Shake 4 Nail Pattern (Non-HVHZ only)

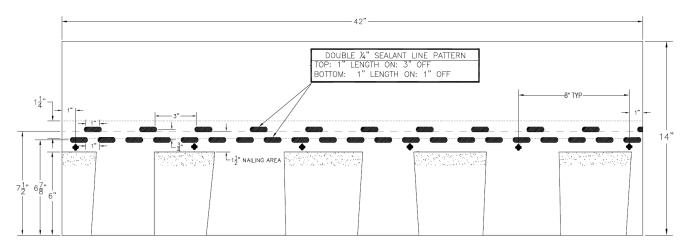


Figure 8. Pinnacle® Pristine and StormMaster® Shake 6 Nail Pattern

ATL13002.10 FL 16305-R910 Page 7 of 11



StormMaster® Slate

 $\begin{array}{ll} \text{Basic Wind Speed (V_{ult}):} & \text{Max. 194 mph} \\ \text{Basic Wind Speed (V_{asd}):} & \text{Max. 150 mph} \end{array}$

Deck (HVHZ): In accordance with FBC requirements;

Solidly sheathed min. 19/32 in. plywood or wood plank for new construction; Min. 15/32 in. plywood existing

construction.

Deck (Non-HVHZ): Solidly sheathed in accordance with FBC requirements.

Underlayment: In accordance with FBC requirements.

Min. slope: 2:12 and in accordance with FBC requirements. Contact

the Atlas Roofing Corporation when installing at slope

greater than 21:12.

Installation (HVHZ): Installed with 8.5 in. exposure in accordance with RAS 115

and manufacturer's published installation instructions. Shingles shall be attached using "6 Nail Pattern" detailed

below.

Installation (Non-HVHZ): Installed with 8.5 in. exposure in accordance with FBC

requirements and manufacturer's published installation instructions. Shingles shall be attached using either "4 Nail

Pattern" or "6 Nail Pattern" detailed below.

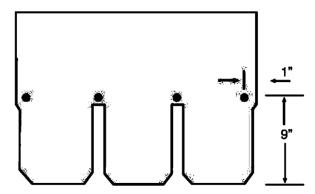


Figure 9. StormMaster® Slate 4 Nail Pattern

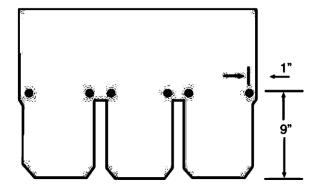


Figure 10. StormMaster® Slate 6 Nail Pattern



Pro-Cut® Starter Strip

 $\begin{array}{ll} \text{Basic Wind Speed (V_{ult}):} & \text{Max. 194 mph} \\ \text{Basic Wind Speed (V_{asd}):} & \text{Max. 150 mph} \end{array}$

Deck (HVHZ): In accordance with FBC requirements;

Solidly sheathed min. 19/32 in. plywood or wood plank for new construction; Min. 15/32 in. plywood existing

construction.

Deck (Non-HVHZ): Solidly sheathed in accordance with FBC requirements.

Underlayment: In accordance with FBC requirements.

Min. slope: 2:12 and in accordance with FBC requirements. Contact

the Atlas Roofing Corporation when installing at slope

greater than 21:12.

Installation (HVHZ): Installed in accordance with RAS 115 and manufacturer's

published installation instructions. Shingles shall be

attached as shown below.

Installation (Non-HVHZ): Installed in accordance with FBC requirements and

manufacturer's published installation instructions. Shingles

shall be attached as shown below.

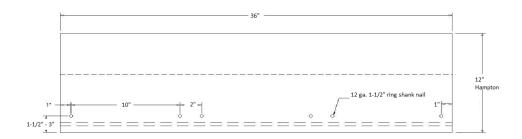


Figure 11. Pro-Cut® Starter Strip



Pro-Cut® Hip & Ridge

StormMaster® Hip & Ridge

Basic Wind Speed (Vult): Basic Wind Speed (Vasd):

Max. 150 mph Deck (HVHZ):

In accordance with FBC requirements;

Solidly sheathed min. 19/32 in. plywood or wood plank for new construction; Min. 15/32 in. plywood existing

construction.

Max. 194 mph

Deck (Non-HVHZ): Solidly sheathed in accordance with FBC requirements.

In accordance with FBC requirements. Underlayment:

2:12 and in accordance with FBC requirements. Min. slope:

Installation (HVHZ and Installed with 5-5/8 inch exposure in accordance with RAS non-HVHZ): 115 (HVHZ only) and manufacturer's published installation instructions. The direction of the exposed end shall be

away from the prevailing wind.

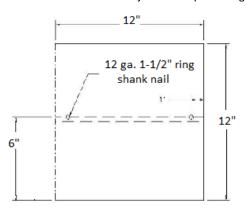


Figure 12. Pro-Cut® Hip & Ridge and StormMaster® Hip & Ridge



LIMITATIONS

- 1) Fire Classification is not within the scope of this evaluation.
- 2) The roof deck and the roof deck attachment information are provided based on testing. FBC requirements for the rational design of the roof deck, including the attachment, are not within the scope of this evaluation.
- 3) The mean roof height shall be restricted to a maximum 33 ft in the HVHZ.
- 4) Classification to ASTM D 7158 applies to exposure B & C with a building mean roof height of 60-ft or less.
- 5) Deck substrates shall be clean, dry, and free from any irregularities and debris. All fasteners in the deck shall be checked for protrusion and corrected prior to underlayment application.
- 6) Shingles shall be installed starting at the eave in horizontal layers such that the laps shed water from the deck.
- 7) Installation of the evaluated products shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and code compliant detail shall prevail.
- 8) All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 7th Edition (2020) including High-Velocity Hurricane Zones (HVHZ) as evidenced in the referenced documents submitted by the named manufacturer.



Zachary R. Priest, P.E. Florida Registration No. 74021 Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

END OF REPORT

ATL13002.10 FL 16305-R910 Page 11 of 11