| | |
|---|---|
| FL # | FL16305-R10 |
| Application Type | Revision |
| Code Version | 2020 |
| Application Status | Approved |
| Comments | |
| Archived | ☐ |
| Product Manufacturer | Atlas Roofing Corporation |
| Address/Phone/Email | 2000 RiverEdge Parkway<br>Suite 800<br>Atlanta, GA 30328<br>(770) 946-4571<br>mcollins@atlasroofing.com |
| Authorized Signature | Meldrin Collins<br>mcollins@atlasroofing.com |
| Technical Representative | |
| Address/Phone/Email | |
| Quality Assurance Representative | |
| Address/Phone/Email | |
| Category | Roofing |
| Subcategory | Asphalt Shingles |
| Compliance Method | Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer<br>☐ Evaluation Report - Hardcopy Received |
| Florida Engineer or Architect Name who developed the Evaluation Report | Zachary R. Priest |
| Florida License | PE-74021 |
| Quality Assurance Entity | PRI Construction Materials Technologies, LLC |
| Quality Assurance Contract Expiration Date | 12/31/2024 |
| Validated By | Steven M. Urich, PE<br>☑ Validation Checklist - Hardcopy Received |
| Certificate of Independence | FL16305_R10_COI_ATL13002.10 2020 FBC Eval Shingles final.pdf |

Referenced Standard and Year (of Standard)

| Standard | Year |
|---|---|
| ASTM D 3161 | 2016 |
| ASTM D 3462 | 2010 |
| ASTM D 7158 | 2019 |
| TAS 100 | 1995 |
| TAS 107 | 2020 |

Equivalence of Product Standards Certified By

Sections from the Code

| | |
|---|---|
| Product Approval Method | Method 1 Option D |
| Date Submitted | 02/11/2021 |
| Date Validated | 02/11/2021 |
| Date Pending FBC Approval | 02/22/2021 |
| Date Approved | 04/13/2021 |

**Summary of Products**

| FL # | Model, Number or Name | Description |
|---|---|---|
| 16305.1 | Atlas Shingles | Fiberglass reinforced laminated asphalt shingles |
| **Limits of Use**<br>**Approved for use in HVHZ:** Yes<br>**Approved for use outside HVHZ:** Yes<br>**Impact Resistant:** N/A<br>**Design Pressure:** N/A<br>**Other:** See evaluation report for limits of use | | **Installation Instructions**<br>FL16305_R10_II_ATL13002.10 2020 FBC Eval Shingles final.pdf<br>Verified By: Zachary R. Priest 74021<br>Created by Independent Third Party: Yes<br>**Evaluation Reports**<br>FL16305_R10_AE_ATL13002.10 2020 FBC Eval Shingles final.pdf<br>Created by Independent Third Party: Yes |

Back Next

CREEK
TECHNICAL SERVICES, LLC

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

## EVALUATION REPORT

## FLORIDA BUILDING CODE 7TH EDITION (2020)

*Issued February 11, 2021*

**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
**Subcategory:** Asphalt Shingles
**Code Edition:** Florida Building Code, 7th Edition (2020) including High-Velocity Hurricane Zones (HVHZ)
**Code Sections:** 1504.1.1, 1507.2.5, 1507.2.7.1, 1523.6.5.1
**Properties:** Physical properties, Wind Resistance, Wind Driven Rain

## PRODUCT DESCRIPTION

| | |
|---|---|
| **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 (Ardmore & Hampton)** | 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. |
| **Tough-Master® 20 (Ardmore & Hampton)** | 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. |
| **Pro-Cut® Hip & Ridge (Ardmore & Hampton)** | ASTM D 3161, Class F fiberglass reinforced, hip and ridge asphalt shingle with a dashed, thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462. |
| **Pro-Cut® Starter Strip (Ardmore & Hampton)** | ASTM D 3161, Class F fiberglass reinforced, starter asphalt shingle with a dashed, thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462. |
| **ProLAM™ Architectural (Hampton, Franklin & Meridian)** | ASTM D 3161, Class F & ASTM D 7158, Class H fiberglass reinforced, laminated architectural asphalt shingle with a dashed, thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462. |
| **Pinnacle® Pristine, Pinnacle® Pristine Lifetime w/Scotchgard (Dangerfield, Hampton, Franklin & Meridian)** | ASTM D 3161, Class F & ASTM D 7158, Class H fiberglass reinforced, laminated architectural asphalt shingle with two, dashed, thermally-activated, self-sealing sealant stripes that complies with ASTM D 3462. |
| **StormMaster® Hip & Ridge (Ardmore)** | ASTM D 3161, Class F fiberglass reinforced, hip and ridge modified asphalt shingle with a dashed, thermally-activated, self-sealing sealant stripe that complies with ASTM D 3462. |

**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

| Entity | Report No. | Standard | Year |
|---|---|---|---|
| PRI Construction Materials Technologies (TST5878) | ATL-079-02-01 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-083-02-01 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-086-02-01 Rev 1 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-104-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-106-02-01 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-106-02-01 Rev 1 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-107-02-01 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-107-02-01.1 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-109-02-01 | ASTM D 7158 | 2019 |
| PRI Construction Materials Technologies (TST5878) | ATL-116-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-118-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-119-02-01 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-123-02-01 | ASTM D 7158 | 2019 |
| PRI Construction Materials Technologies (TST5878) | ATL-125-02-01 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-127-02-01 Rev 1 | ASTM D 7158 | 2019 |
| PRI Construction Materials Technologies (TST5878) | ATL-132-02-01 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-133-02-01 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-135-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-136-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-137-02-01 Rev 1 | ASTM D 7158 | 2019 |
| PRI Construction Materials Technologies (TST5878) | ATL-138-02-01 Rev 1 | ASTM D 7158 | 2019 |
| PRI Construction Materials Technologies (TST5878) | ATL-143-02-01 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-144-02-01 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-151-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-162-02-01 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-167-02-01 | ASTM D 3161 | 2016 |
| PRI Construction Materials Technologies (TST5878) | ATL-168-02-01 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-169-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-170-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-171-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-172-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-174-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-179-02-01 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-184-02-01 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-185-02-01 | ASTM D 7158 | 2019 |
| PRI Construction Materials Technologies (TST5878) | ATL-186-02-01 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-187-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-220-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-220-02-02 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-220-02-03 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |
| PRI Construction Materials Technologies (TST5878) | ATL-220-02-04 | ASTM D 7158 | 2019 |
| PRI Construction Materials Technologies (TST5878) | ATL-221-02-01 | ASTM D 3462 | 2010A |
| PRI Construction Materials Technologies (TST5878) | ATL-221-02-02 | TAS 100 | 1995 |
| PRI Construction Materials Technologies (TST5878) | ATL-221-02-03 | ASTM D 3161 | 2016 |
| | | TAS 107 | 2020 |

| Entity | Report No. | Standard | Year |
|---|---|---|---|
| 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

**Legend**

| | |
|---|---|
| Basic 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. |

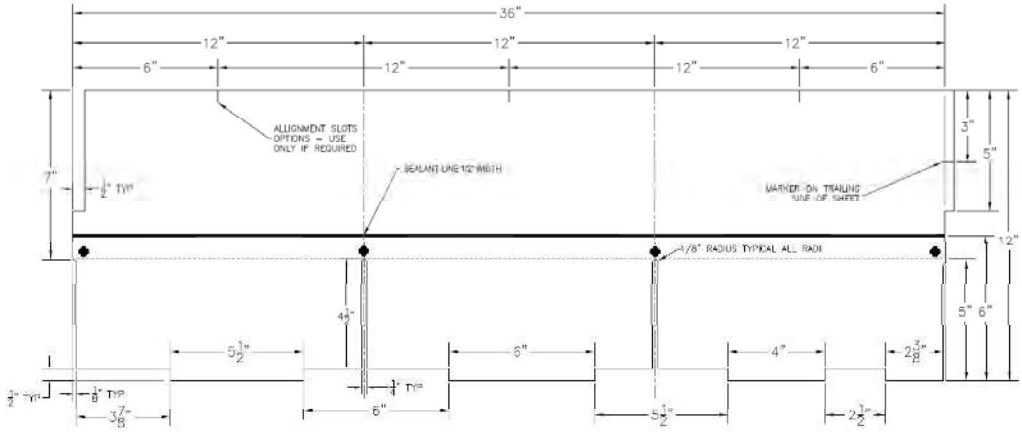


**Figure 1. Legend 4 Nail Pattern (Non-HVHZ only)**

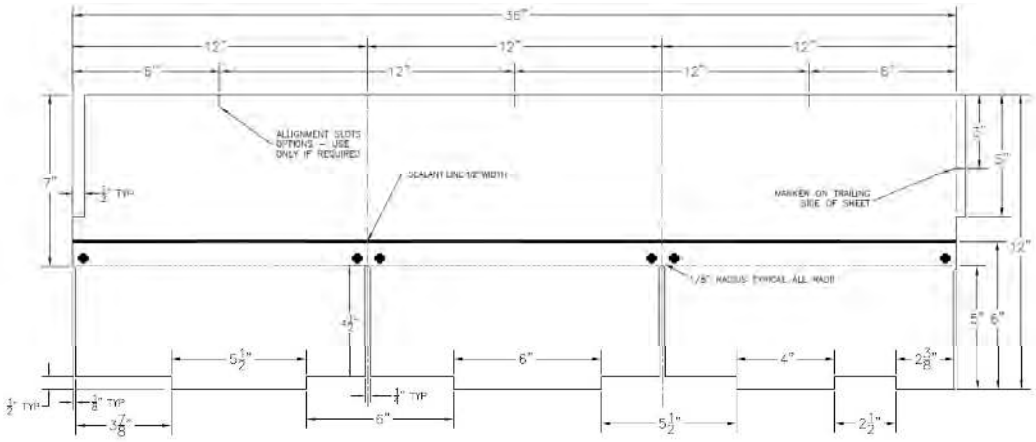


**Figure 2. Legend 6 Nail Pattern**

| | | |
|---|---|---|
| **GlassMaster® 30 & Tough-Master® 20** | Basic 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. |

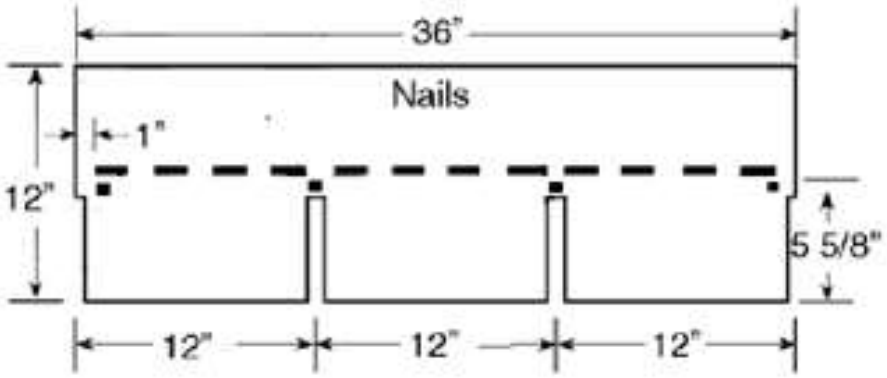


**Figure 3. GlassMaster® 30 & Tough-Master® 20 4 Nail Pattern (Non-HVHZ only)**

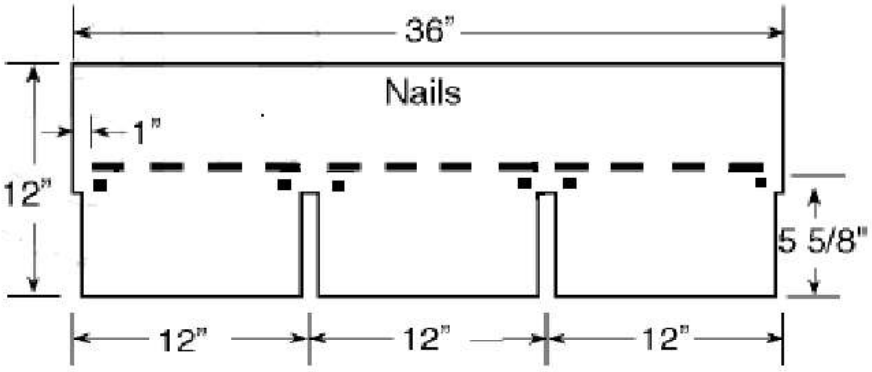


**Figure 4. GlassMaster® 30 & Tough-Master® 20 6 Nail Pattern**

| | | |
|---|---|---|
| **ProLAM™ Architectural** | Basic 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 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. |

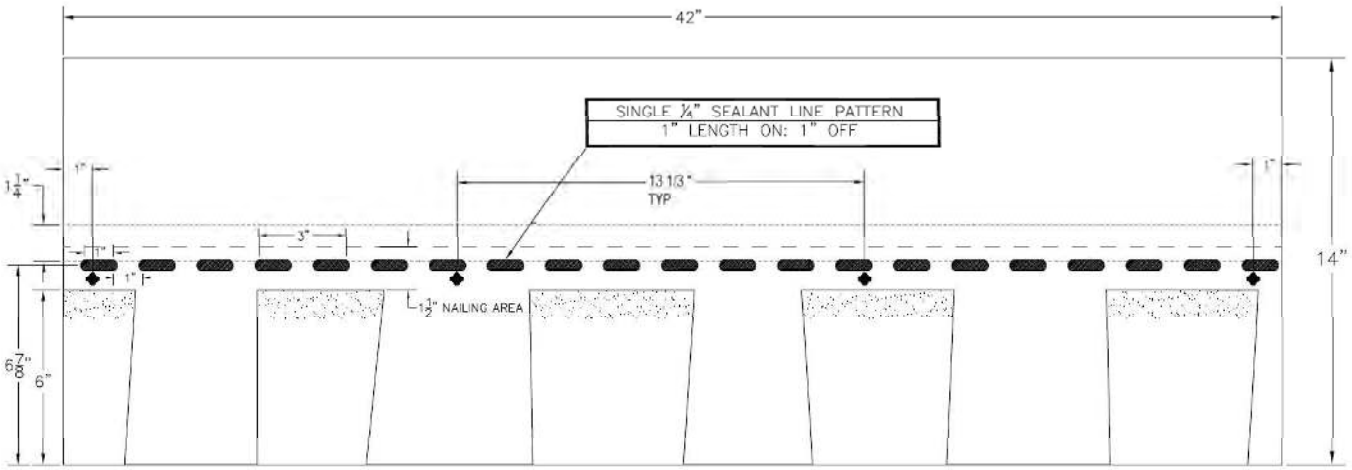


**Figure 5. ProLAM™ Architectural Shingle 4 Nail Pattern (non-HVHZ only)**

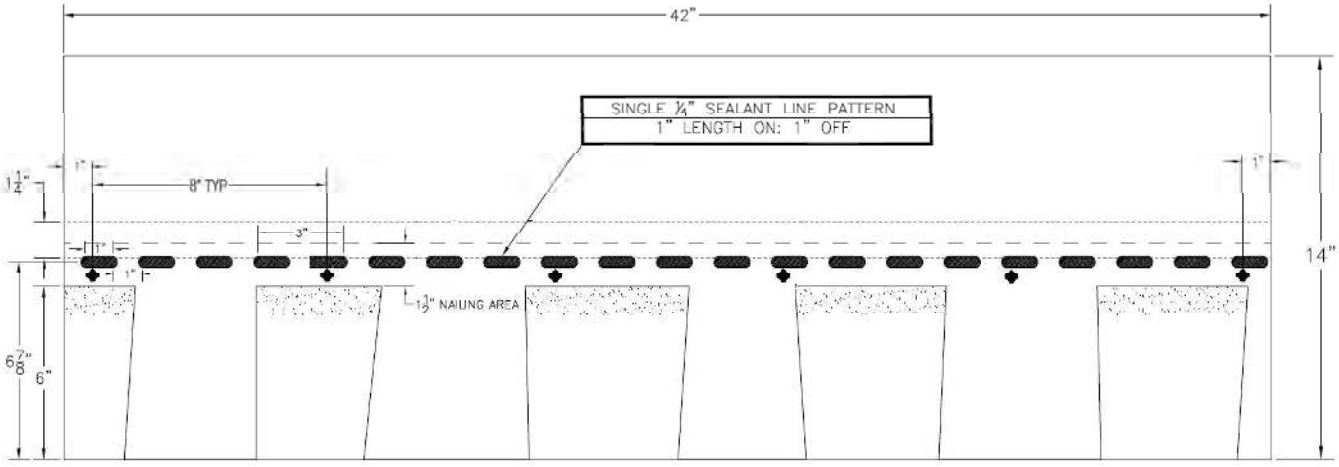


**Figure 6. Pro-LAM™ Architectural Shingle 6 Nail Pattern**

| | | |
|---|---|---|
| **Pinnacle® Pristine & StormMaster® Shake** | Basic 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 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. |

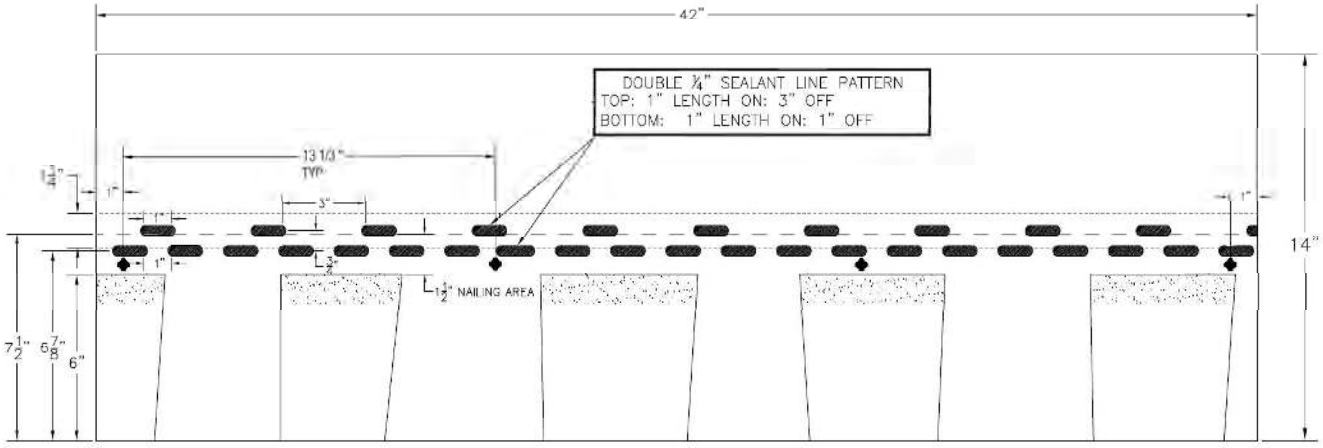


**Figure 7. Pinnacle® Pristine and StormMaster® Shake 4 Nail Pattern (Non-HVHZ only)**

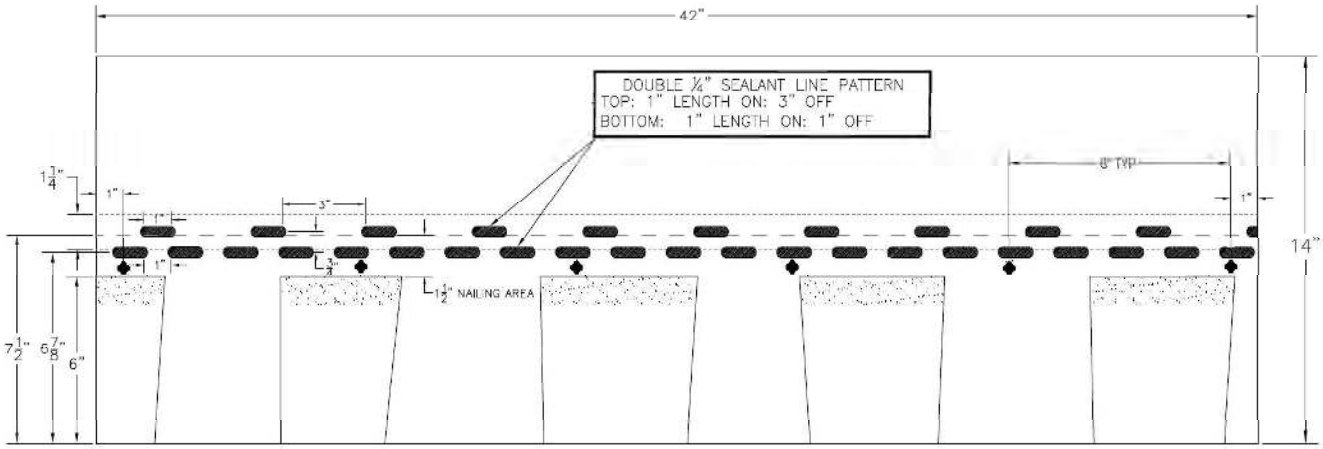


**Figure 8. Pinnacle® Pristine and StormMaster® Shake 6 Nail Pattern**

**StormMaster® Slate**

| | |
|---|---|
| Basic 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 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. |

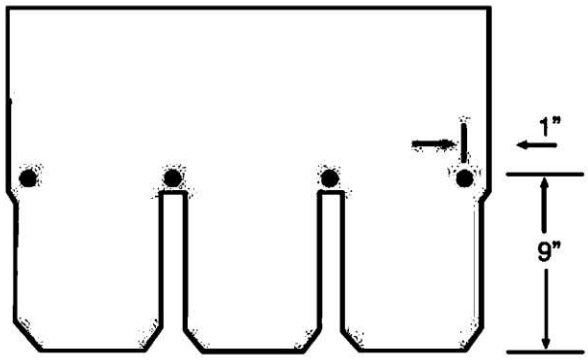


**Figure 9. StormMaster® Slate 4 Nail Pattern**

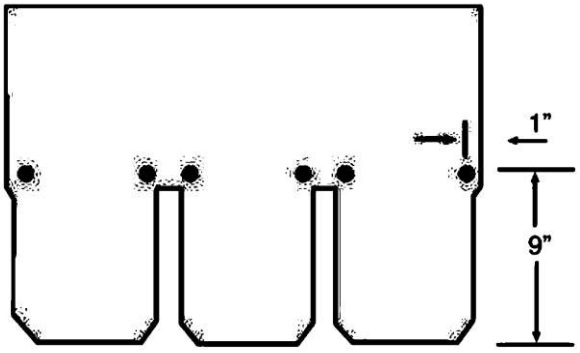


**Figure 10. StormMaster® Slate 6 Nail Pattern**

**Pro-Cut® Starter Strip**

| | |
|---|---|
| Basic 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 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. |

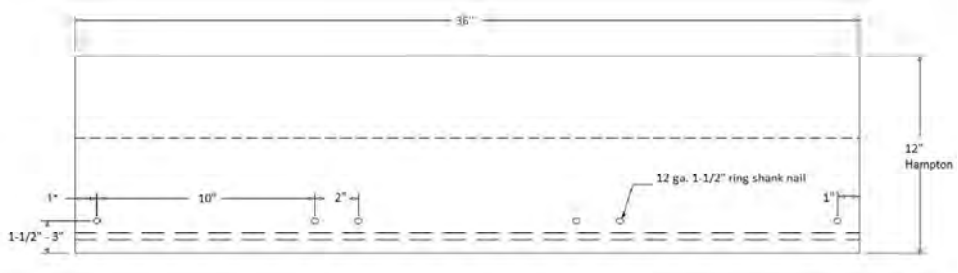


**Figure 11. Pro-Cut® Starter Strip**

| | | |
|---|---|---|
| **Pro-Cut® Hip & Ridge & StormMaster® Hip & Ridge** | Basic Wind Speed ($V_{ult}$): | 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. |
| | Installation (HVHZ and non-HVHZ): | Installed with 5-5/8 inch exposure in accordance with RAS 115 (HVHZ only) and manufacturer's published installation instructions. The direction of the exposed end shall be away from the prevailing wind. |

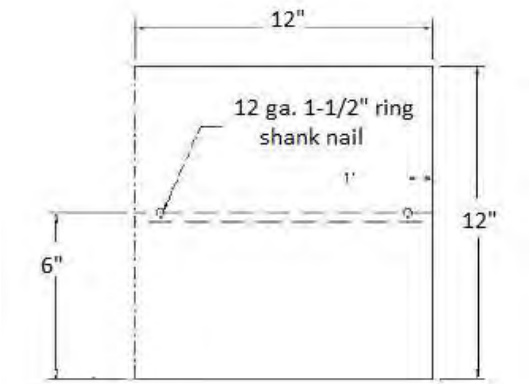


**Figure 12. Pro-Cut® Hip & Ridge and StormMaster® Hip & Ridge**

## 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.



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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**

| | |
|---|---|
| FL # | FL21350-R4 |
| Application Type | Revision |
| Code Version | 2020 |
| Application Status | Approved |
| Comments | |
| Archived | ☐ |
| Product Manufacturer | Atlas Roofing Corporation |
| Address/Phone/Email | 2000 RiverEdge Parkway<br>Suite 800<br>Atlanta, GA 30328<br>(770) 946-4571<br>mcollins@atlasroofing.com |
| Authorized Signature | Meldrin Collins<br>mcollins@atlasroofing.com |
| Technical Representative | |
| Address/Phone/Email | |
| Quality Assurance Representative | |
| Address/Phone/Email | |
| Category | Roofing |
| Subcategory | Underlayments |
| Compliance Method | Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer<br>☐ Evaluation Report - Hardcopy Received |
| Florida Engineer or Architect Name who developed the Evaluation Report | Zachary R. Priest |
| Florida License | PE-74021 |
| Quality Assurance Entity | Intertek Testing Services NA, Inc. - QA Entity |
| Quality Assurance Contract Expiration Date | 12/31/2023 |
| Validated By | Steven M. Urich, PE<br>☑ Validation Checklist - Hardcopy Received |
| Certificate of Independence | FL21350_R4_COI_ATL16001.4 2020 FBC Eval Summit Underlayments Final.pdf |
| Referenced Standard and Year (of Standard) | |
| Equivalence of Product Standards Certified By | |
| Sections from the Code | 1507.1.1 |
| Product Approval Method | Method 2 Option B |

| | |
|---|---|
| Date Submitted | 01/10/2021 |
| Date Validated | 01/10/2021 |
| Date Pending FBC Approval | 01/21/2021 |
| Date Approved | 04/13/2021 |

**Summary of Products**

| FL # | Model, Number or Name | Description |
|---|---|---|
| 21350.1 | Summit 60 and Summit 180 Underlayments | Mechanically attached, synthetic underlayments used as an alternative to ASTM D 226 Type II underlayment. |
| **Limits of Use**<br>**Approved for use in HVHZ:** No<br>**Approved for use outside HVHZ:** Yes<br>**Impact Resistant:** N/A<br>**Design Pressure:** N/A<br>**Other:** See evaluation report for limits of use. | | **Installation Instructions**<br>FL21350_R4_II_ATL16001.4 2020 FBC Eval Summit Underlayments Final.pdf<br>Verified By: Zachary R. Priest PE-74021<br>Created by Independent Third Party: Yes<br>**Evaluation Reports**<br>FL21350_R4_AE_ATL16001.4 2020 FBC Eval Summit Underlayments Final.pdf<br>Created by Independent Third Party: Yes |

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CREEK
TECHNICAL SERVICES, LLC

*Certificate of Authorization No. 29824*
17520 Edinburgh Drive
Tampa, FL 33647
(813) 480-3421

## EVALUATION REPORT

**FLORIDA BUILDING CODE, 7TH EDITION (2020)**

*Issued January 10, 2021*

**Manufacturer:** ATLAS ROOFING CORPORATION
2000 Riveredge Parkway, Suite 800
Atlanta, GA 30328
(770) 612-6267
www.atlasroofing.com

**Manufacturing Locations:** Hebei, China

**Quality Assurance:** Intertek Testing Services NA Inc. (QUA1673)

## SCOPE

**Category:** Roofing
**Subcategory:** Underlayments
**Code Sections:** 1507.1.1
**Properties:** Physical properties

## REFERENCES

| Entity | Report No. | Standard | Year |
|---|---|---|---|
| Intertek Testing Services NA, Inc. (EVL11327) | CCRR-1038 | AC 188 | 2012 |
| Intertek Testing Services NA, Inc. (EVL11327) | CCRR-1038 | ASTM D 226 | 2009 |
| Intertek Testing Services NA Ltd. (TST1509) | 141128020SHJ-BP-1 | AC 188 | 2012 |
| | | ASTM D 4869 | 2016 |
| PRI Construction Materials Technologies (TST5878) | ATL-238-020-1 | TAS 117(B) | 2020 |
| PRI Construction Materials Technologies (TST5878) | 117T0023 | ASTM D 4533 | 2015 |
| | | ASTM D 5035 | 2011(2019) |
| PRI Construction Materials Technologies (TST5878) | 117T0025 | ASTM D 4533 | 2015 |
| | | ASTM D 5035 | 2011(2019) |

## PRODUCT DESCRIPTION

**Summit 60** A mechanically attached, synthetic underlayment used an alternative to ASTM D 226, Type II roofing underlayments with a minimum tear strength per ASTM D 4533 of 15 pounds, a minimum tensile strength per ASTM D 5035 of 20 pounds/inch, and meets liquid water transmission test of Section 8.6 of ASTM D 4869. The roll is available in 48-inch wide x 250-ft long format and weighs approximately 23 lbs.

**Summit 180** A mechanically attached, synthetic underlayment used an alternative to ASTM D 226, Type II roofing underlayments with a minimum tear strength per ASTM D 4533 of 15 pounds, a minimum tensile strength per ASTM D 5035 of 20 pounds/inch, and meets liquid water transmission test of Section 8.6 of ASTM D 4869. The roll is available in 48-inch wide x 250-ft long format and weighs approximately 30 lbs.

## APPLICATION INSTRUCTIONS

Deck Type: The roof deck shall be constructed of closely fitted, solid sheathing for new or existing construction. Sheathing shall be installed in accordance with FBC requirements. Roof decks shall have no more than 1/8" gap at abutting joints.

Attachment method: Underlayment shall be attached in accordance with the FBC and manufacturer's installation instructions. The underlayment is installed starting at the eave, with the length of the roll parallel to the eave with the printed side facing up. All side laps shall be installed to shed water from the deck. End laps shall be staggered between courses in accordance with the manufacturer's application instructions. Minimum application temperature shall be 50°F.

*1507.1.1 Exception:* Equivalency of 1-inch diameter plastic cap nails where the ultimate design wind speed, $V_{ult}$, equals or exceeds 170mph has been demonstrated for Summit 60 and Summit 180 by increasing the attachment density by a factor of 3.

Allowable roof coverings: Mechanically fastened roof coverings as prescribed in FBC Section 1507.1.1 and Table 1507.1.1.1 shall be permitted.

## LIMITATIONS

1) This evaluation report is not for use in the HVHZ.
2) Fire Classification is not within the scope of this evaluation.
3) Wind uplift resistance is not within the scope of this evaluation.
4) Installation of the evaluated product shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
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) Roof slope limitations shall be in accordance with FBC requirements.
7) Contact the manufacturer when installing at temperatures below the minimum application temperature.
8) The underlayment may be used as described in other current FBC product approval documents.
9) Roof coverings shall not be adhered directly to the underlayment. Roof coverings shall be mechanically fastened through the underlayment to the roof deck.
10) The underlayment shall be exposed on the roof deck for a maximum 30 days unless otherwise stated.
11) 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) as evidenced in the referenced documents submitted by the named manufacturer.


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

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**END OF REPORT**