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EVALUATION REPORT

Atlas Roofing Corporation
2000 River Edge Parkway
Atlanta, GA 30328

Evaluation Report A12620.12.08
FL9792-R1
Date of Issuance: 12/18/2008

SCOPE:

This Evaluation Report is issued under Rule 9B-72 and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code and Florida Building Code, Residential Volume. The products described herein have been designed to comply with the 2007 FBC and 2007 FBC Residential Volume.

DESCRIPTION: Atlas Asphalt Roof Shingles

LABELING: Each unit shall bear labeling in accordance with the requirements the Accredited Quality Assurance Agency noted herein. For HVHZ, shingles shall be labeled in accordance with Miami-Dade requirements.

CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. if the product changes or the referenced Quality Assurance documentation changes. Trinity|ERD requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

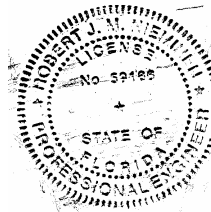
ADVERTISEMENT: The Evaluation Report number preceded by the words "Trinity|ERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 5.

Prepared by:

Robert J.M. Nieminen, P.E.
 Florida Registration No. 59166, Florida DCA ANE1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 12/18/2008. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client.

CERTIFICATION OF INDEPENDENCE:

1. Trinity|ERD does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. Trinity|ERD is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

ROOFING SYSTEMS EVALUATION:
1. SCOPE:
Product Category: Roofing

Sub-Category: Asphalt Shingles

Compliance Statement: Atlas Asphalt Roof Shingles, as produced Atlas Roofing Corporation, have demonstrated compliance with the following sections of the Florida Building Code and Florida Building Code, Residential Volume through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

<u>Section</u>	<u>Property</u>	<u>Standard</u>	<u>Year</u>
1507.2.5, 1523.6.5.1	Physical Properties	ASTM D3462	2004
1507.2.5, 1507.2.10	Wind Resistance	ASTM D3161, Class F	2003
1504.1.2, 1609.5.2	Mechanical Uplift Resistance	ASTM D6381, Class H	2003
1507.2.10	Wind Resistance	ASTM D7158, Class H	2005
1504.1.2, 1609.5.2	Wind Resistance	UL2390, Class H	2004
1523.6.5.1	Wind Resistance	TAS 107	1995
1523.6.5.1	Wind Driven Rain	TAS 100	1995
R905.2.4	Physical Properties	ASTM D3462	2004
R905.2.4.1, R905.2.6.1	Wind Resistance	ASTM D3161, Class F	2003
R905.2.6.1	Wind Resistance	ASTM D7158, Class H	2005

3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
ATI (TST 1558)	Wind Driven Rain	TAS 100	01/30/1998
PRI (TST 5878)	Physical Properties	ASTM D3462	01/12/2005
PRI (TST 5878)	Physical Properties	ASTM D3462	10/12/2007
PRI (TST 5878)	Wind Driven Rain	TAS 100	07/09/2003
PRI (TST 5878)	Wind Driven Rain	TAS 100	02/03/2005
PRI (TST 5878)	Wind Driven Rain	TAS 100	02/28/2008
UL (TST 1740)	Physical Properties	ASTM D3462 / R4052	09/17/2002
UL (TST 1740)	Physical Properties	ASTM D3462 / R4052	03/02/2006
UL (TST 1740)	Physical Properties	ASTM D3462 / R4052	11/14/2007
UL (TST 1740)	Wind Resistance	TAS 107	06/09/1999
UL (TST 1740)	Wind Resistance	TAS 107 / 02NK6989	03/04/2002
UL (TST 1740)	Wind Resistance	TAS 107	05/06/2005
UL (TST 1740)	Wind Resistance	TAS 107	09/15/2005
UL (TST 1740)	Wind Resistance	TAS 107 / 07CA26303	08/31/2007
UL (TST 1740)	Wind Classification	07NK22063	04/29/2008
Miami-Dade (CER 1592)	HVHZ Compliance	05-0201.09	03/17/2005
Miami-Dade (CER 1592)	HVHZ Compliance	05-0120.02	08/04/2005
Miami-Dade (CER 1592)	HVHZ Compliance	05-0120.03	08/04/2005
Miami-Dade (CER 1592)	HVHZ Compliance	07-0329.01	08/16/2007
Miami-Dade (CER 1592)	HVHZ Compliance	07-0927.06	04/10/2008
UL (QUA 1743)	Quality Control	R4052	Current

4. PRODUCT DESCRIPTION:

- 4.1 GlassMaster 25, StormMaster Slate and Chalet are fiberglass reinforced, 3-tab asphalt roof shingles.
- 4.2 Stratford is a fiberglass reinforced, non-laminated architectural roof shingle where the dimensional appearance is established through a granule overlay feature.
- 4.3 Pinnacle 35 and StormMaster LM are fiberglass reinforced, laminated asphalt roof shingles.

5. LIMITATIONS:

- 5.1 Fire Classification is not part of this Evaluation Report; refer to current Approved Roofing Materials Directory for fire ratings of this product.
- 5.2 Wind Classification (non-HVHZ):
 - 5.2.1 All Atlas shingles noted herein are Classified in accordance with FBC Table 1504.1.2 to ASTM D6381, Class H and FBC Tables 1507.2.10 and R905.2.6.1 to ASTM D3161, Class F and ASTM D7158, Class H, indicating the shingles are acceptable for use in all wind zones up to 150 mph. Refer to Section 6 for installation requirements to meet this wind rating.
 - 5.2.2 Classification by this method applies to buildings less than 60 feet high and with Wind Exposure B and C only in an Occupancy Category of I or II.
 - 5.2.3 For buildings falling outside the constraints in 5.2.1 or 5.2.2, calculations by a qualified design professional in accordance with UL2390 / ASTM D7158 / ASCE 7 may be conducted for the specific project with data for the specific shingle. Reference: FBC 1609.5.2. Contact the shingle manufacturer for data specific to each shingle.
- 5.3 Wind Resistance (HVHZ):
 - 5.3.1 Shall not be installed on roof mean heights in excess of 33 feet.
- 5.5 All products in the roof assembly shall have quality assurance audit in accordance with the Florida Building Code and F.A.C. Rule 9B-72.

6. INSTALLATION:

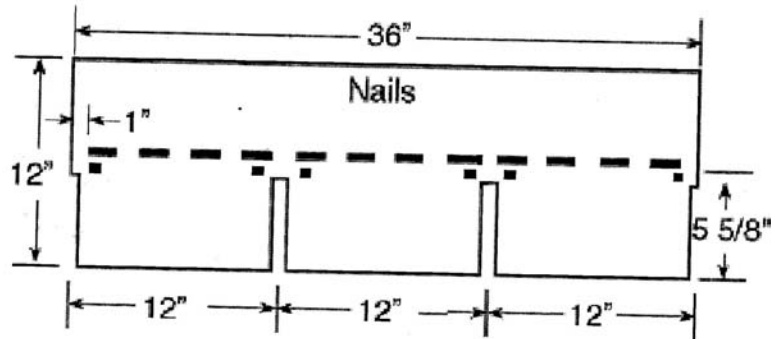
6.1 Non-HVHZ:

- 6.1.1 Underlayment:
 - 6.1.1.1 Underlayment shall be acceptable to Atlas Roofing Corporation and shall hold current FBC Approval, or be Locally Approved per Rule 9B-72, per FBC Sections 1507.2.3 and/or 1507.2.4.
- 6.1.2 Asphalt Shingles:
 - 6.1.2.1 Installation of asphalt shingles shall comply with the manufacturer's current published instructions, but not less than four (4) fasteners per shingle in accordance with the requirements of FBC Section 1507.2 or FBC Residential Volume Section R905.2.
 - 6.1.2.2 Fasteners and fastener placement shall be in accordance with manufacturer's current published installation instructions.
 - 6.1.2.3 Where the roof slope exceeds 20 units vertical in 12 units horizontal (166-percent slope), special methods of fastening are required.

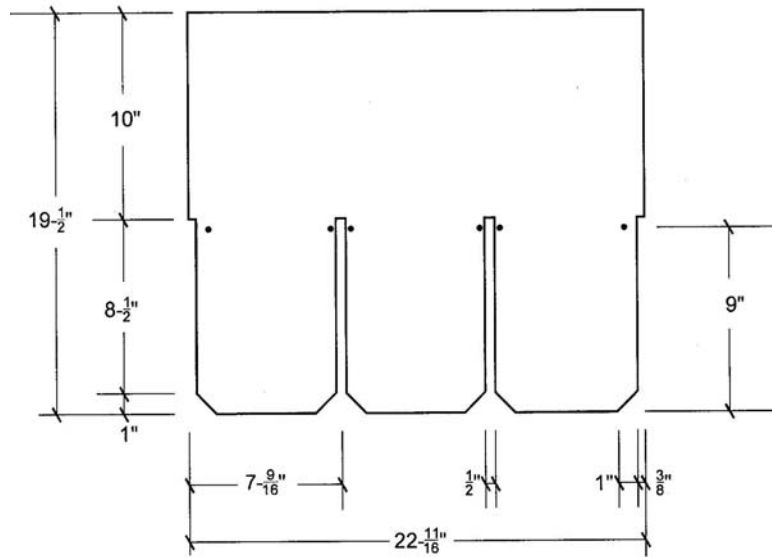
6.2 HVHZ:

- 6.2.1 Shingles and flashings shall be installed in accordance with RAS 115.
- 6.2.2 The manufacturer shall provide clearly written application instructions to be used in conjunction with RAS 115. Should a particular section of the installation instructions conflict with RAS 115, the requirements of RAS 115 prevail.
- 6.2.3 Nail placement requirements are as detailed below.

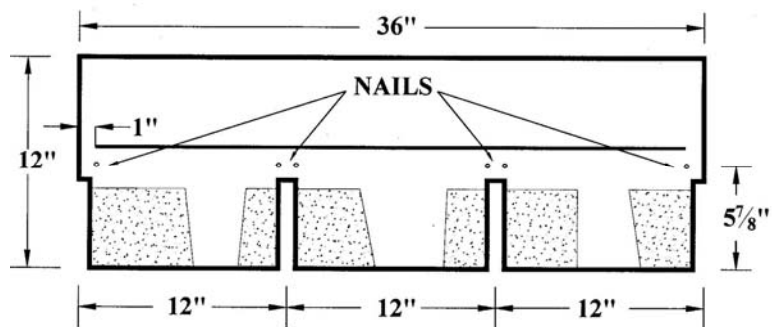
6.2.3.1 GlassMaster 25:



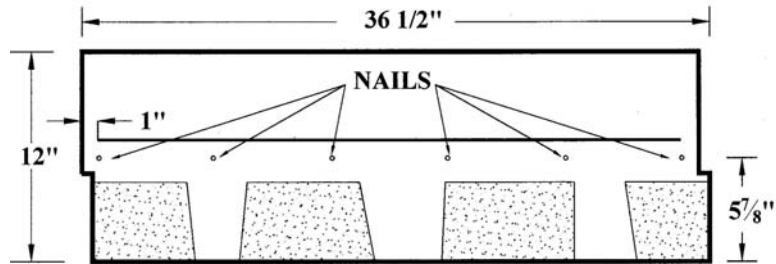
6.2.3.2 StormMaster Slate:



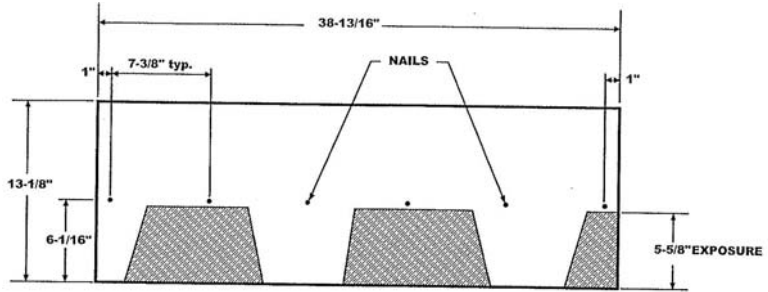
6.2.3.3 Chalet:



6.2.3.4 Stratford:



6.2.3.5 Pinnacle 35 and StormMaster LM:



7. LABELING:

Each unit shall bear a permanent label with the manufacturer's name, logo, city, state and logo of the Accredited Quality Assurance Agency noted herein. For HVHZ, shingles shall be labeled in accordance with Miami-Dade requirements.

8. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction in order to properly evaluate the installation of this product.

9. MANUFACTURING PLANTS:

Contact manufacturer or Quality Assurance Entity for specific information on which plant produces which products: Ardmore, OK; Franklin, OH; Hampton, GA; Daingerfield, TX; Meridan, MS

10. QUALITY ASSURANCE ENTITY:

Underwriters Laboratories – QUA1743

- END OF EVALUATION REPORT -