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Product Approval

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EMERGENCY
MANAGEMENT

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FL #	FL14822	
Application Type	New	
Code Version	2007	
Application Status	Approved	
Comments		
Archived	<input type="checkbox"/>	
Product Manufacturer	GAF	
Address/Phone/Email	1361 Alps Road Wayne, NJ 07470 (973) 872-4421 lindareith@trinityerd.com	
Authorized Signature	Beth McSorley lindareith@trinityerd.com	
Technical Representative	Beth McSorley	
Address/Phone/Email	1361 Alps Road - Bldg 11-1 Wayne, NJ 07470 (973) 872-4421 BMcSorley@gaf.com	
Quality Assurance Representative		
Address/Phone/Email		
Category	Panel Walls	
Subcategory	Siding	
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input checked="" type="checkbox"/> Evaluation Report - Hardcopy Received	
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen	
Florida License	PE-59166	
Quality Assurance Entity	Underwriters Laboratories Inc.	
Quality Assurance Contract Expiration Date	05/09/2012	
Validated By	John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received	
Certificate of Independence	FL14822 RO COI Trinity ERD CI - Nieminen.pdf	
Referenced Standard and Year (of Standard)	Standard	Year
	ASTM C1186	2002
	ASTM E330	2002
Equivalence of Product Standards Certified By		

Sections from the Code

Product Approval Method	Method 1 Option D
Date Submitted	08/26/2011
Date Validated	08/29/2011
Date Pending FBC Approval	08/31/2011
Date Approved	10/11/2011

Summary of Products		
FL #	Model, Number or Name	Description
14822.1	WeatherSide	Fiber-cement siding shingles
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-66.3 Other: 1.) The design pressure noted in this application pertains to one particular application of the shingles. Refer to ER Appendix for all applications and max. design pressures. 2.) Refer to ER Section 5 for Limits of Use.		Installation Instructions FL14822_RO_II_er082611FINAL_GAF_WEATHERSIDE_FL14822.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL14822_RO_AE_er082611FINAL_GAF_WEATHERSIDE_FL14822.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:





EXTERIOR RESEARCH & DESIGN, LLC.
Certificate of Authorization #9503
353 Christian Street
Oxford, CT 06478
PHONE: (203) 262-9245
FAX: (203) 262-9243

EVALUATION REPORT

GAF
1361 Alps Road, Building 7-3
Wayne, NJ 07470

Evaluation Report 01506.08.11
FL14822
Date of Issuance: 08/26/2011

SCOPE:

This Evaluation Report is issued under Rule 9N-3 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. The product described herein has been designed to comply with the 2007 Florida Building Code sections noted herein.

DESCRIPTION: WeatherSide™ Fiber-Cement Siding

LABELING: Each unit shall bear labeling in accordance with the requirements the Accredited Quality Assurance Agency noted herein.

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 3, plus a 6-page Appendix.

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 08/26/2011. 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. Exterior Research & Design, LLC. d/b/a 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. Exterior Research & Design, LLC. d/b/a 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.



PANEL WALLS - SIDING EVALUATION:

1. SCOPE:

Product Category: Panel Walls

Sub-Category: Siding

Compliance Statement: WeatherSide™ fiber-cement siding, as produced by GAF, has demonstrated compliance with the following sections of the Florida Building Code 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>
1404.10	Physical Properties	ASTM C1186	2002
1609.1 / 104.11	Wind	ASTM E330	2002

3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
ERD (TST6049)	Physical Properties	G30200.01.10	01/08/2010
FET (TST1654)	Transverse Load (Wind)	T135-11	02/18/2011
FET (TST1654)	Transverse Load (Wind)	T169-11	04/05/2011
FET (TST1654)	Transverse Load (Wind)	T180-11	04/22/2011
FET (TST1654)	Transverse Load (Wind)	T186-11	04/29/2011
UL (QUA1743)	Quality Control	Inspection Report	05/09/2011

4. PRODUCT DESCRIPTION:

- 4.1 **WeatherSide™ Emphasis™ Shingles** are 9/32-inch thick, 14-5/8-inch x 25-5/32-inch fiber-cement siding shingles with a wood-grain surface and thatched edge; meets ASTM C1186, Type A, Grade 1.
- 4.2 **WeatherSide™ Profile™ Shingles** are 11/64-inch thick, 9 x 32-inch, 12 x 24-inch or 14-5/8 x 32-inch fiber-cement siding shingles with a striated surface and straight edge; meets ASTM C1186, Type A, Grade 1.
- 4.3 **WeatherSide™ Purity™ Shingles** are 11/64-inch thick, 12 x 24-inch fiber-cement siding shingles with a textured surface and Straight, Thatched or Wavy edge; meets ASTM C1186, Type A, Grade 1.
- 4.4 All WeatherSide™ fiber cement siding products are supplied with white, 12 ga. x 1¾-inch long, hot-dip galvanized, ring-shank nails for use in anchoring the product.

5. LIMITATIONS:

- 5.1 This evaluation report is not for use in HVHZ.
- 5.2 Limitations relating to wind load resistance are outlined in Appendix 1.
- 5.3 All products in the wall assembly shall have quality assurance audit in accordance with the FBC and F.A.C. Rule 9N-3.

6. INSTALLATION:

- 6.1 WeatherSide™ fiber-cement siding shall be installed in accordance with GAF published installation instructions, subject to the Limitations / Conditions of Use noted herein.
- 6.2 The underlying wall substrate shall include a water-resistive barrier in accordance with FBC 1403.2.
- 6.3 Minimum system attachment requirements set forth in Appendix 1 shall not be exceeded.



7. BUILDING PERMIT REQUIREMENTS:

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

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered under F.A.C. Rule 9N-3 QA requirements.

9. QUALITY ASSURANCE ENTITY:

Underwriters Laboratories – QUA1743; (847) 664-3281

- THE 6-PAGE THAT FOLLOWS FORM PART OF THIS EVALUATION REPORT -

The following notes apply to the systems outlined herein:

- Substrates shall be in accordance with FBC requirements to the satisfaction of the AHJ.

TABLE 1: SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES						
WEATHERSIDE™						
System No.	Framing (See Notes 1&2)	Sheathing (See Notes 1&2)	Siding	Attachment		Max. Design Pressure (psf)
				Fasteners	Spacing / Placement	
1.	Min. nominal 2x4 #2 SPF at max. 16-inch o.c.	Min. 19/32" plywood	Profile™ 9, Profile™ 12 or Purity™	Min. 12 ga. x min. 1.75-inch long ring shank nails (supplied with the siding)	Min. three (3) nails per shingle, per Figure 1A, 1B, 1C, 1D or 1E.	-41.6

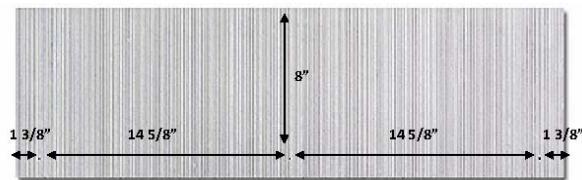


Figure 1A: Profile™ 9, 3-nails/shingle

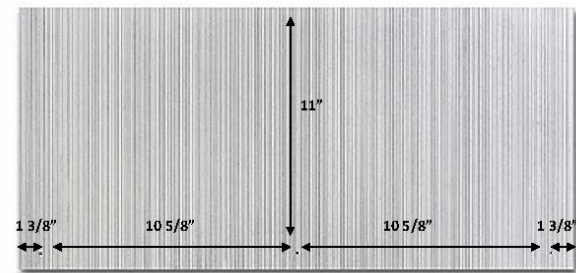


Figure 1B: Profile™ 12, 3-nails/shingle

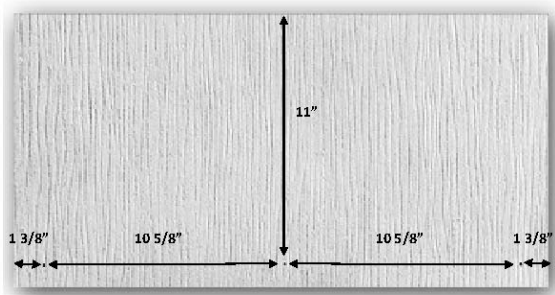


Figure 1C: Purity™ Straight, 3-nails/shingle

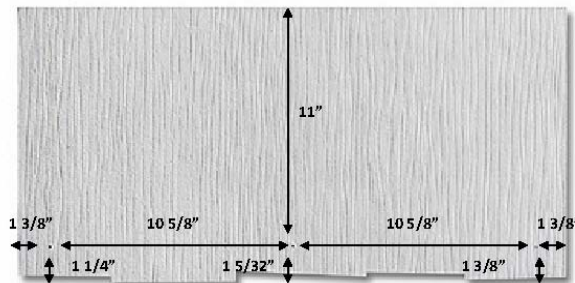


Figure 1D: Purity™ Thatched, 3-nails/shingle

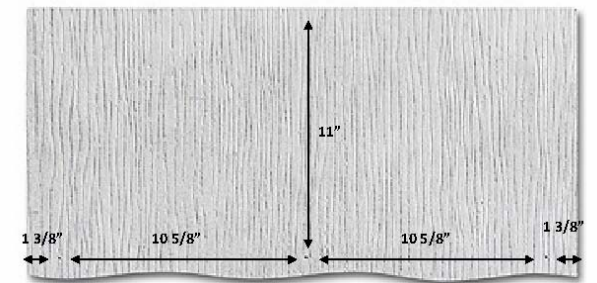


Figure 1E: Purity™ Wavy, 3-nails/shingle

TABLE 1 (continued): SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES
WEATHERSIDE™

System No.	Framing (See Notes 1&2)	Sheathing (See Notes 1&2)	Siding	Attachment		Max. Design Pressure (psf)
				Fasteners	Spacing / Placement	
2.	Min. nominal 2x4 #2 SPF at max. 16-inch o.c.	Min. 19/32" plywood	Profile™ 9, Profile™ 12 or Purity™	Min. 12 ga. x min. 1.75-inch long ring shank nails (supplied with the siding)	Min. five (5) nails per shingle, per Figure 2A, 2B, 2C, 2D or 2E.	-66.3

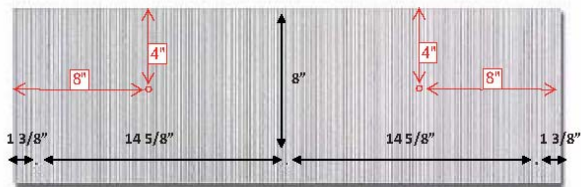


Figure 2A: Profile™ 9, 5-nails/shingle

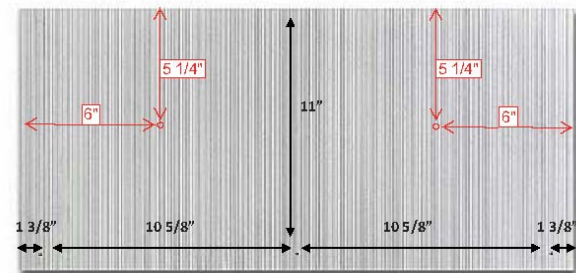


Figure 2B: Profile™ 12, 5-nails/shingle

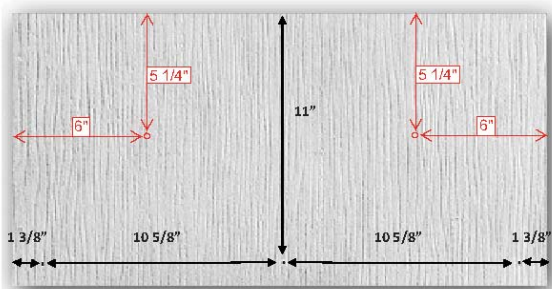


Figure 2C: Purity™ Straight, 5-nails/shingle

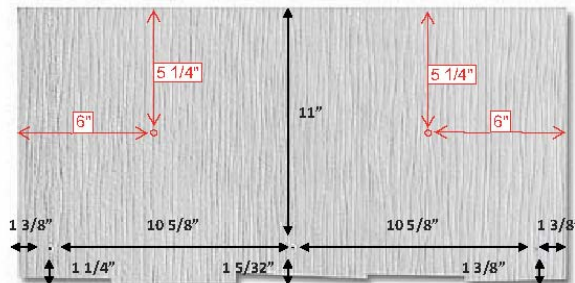


Figure 2D: Purity™ Thatched, 5-nails/shingle

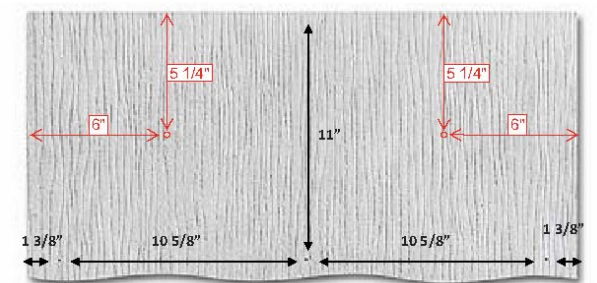


Figure 2E: Purity™ Wavy, 5-nails/shingle

TABLE 1 (continued): SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES
WEATHERSIDE™

System No.	Framing (See Notes 1&2)	Sheathing (See Notes 1&2)	Siding	Attachment		Max. Design Pressure (psf)
				Fasteners	Spacing / Placement	
3.	Min. nominal 2x4 #2 SPF at max. 16-inch o.c.	Min. 19/32" plywood	Profile™ 14	Min. 12 ga. x min. 1.75-inch long ring shank nails (supplied with the siding)	Min. three (3) nails per shingle per Figure 3.	-25.6

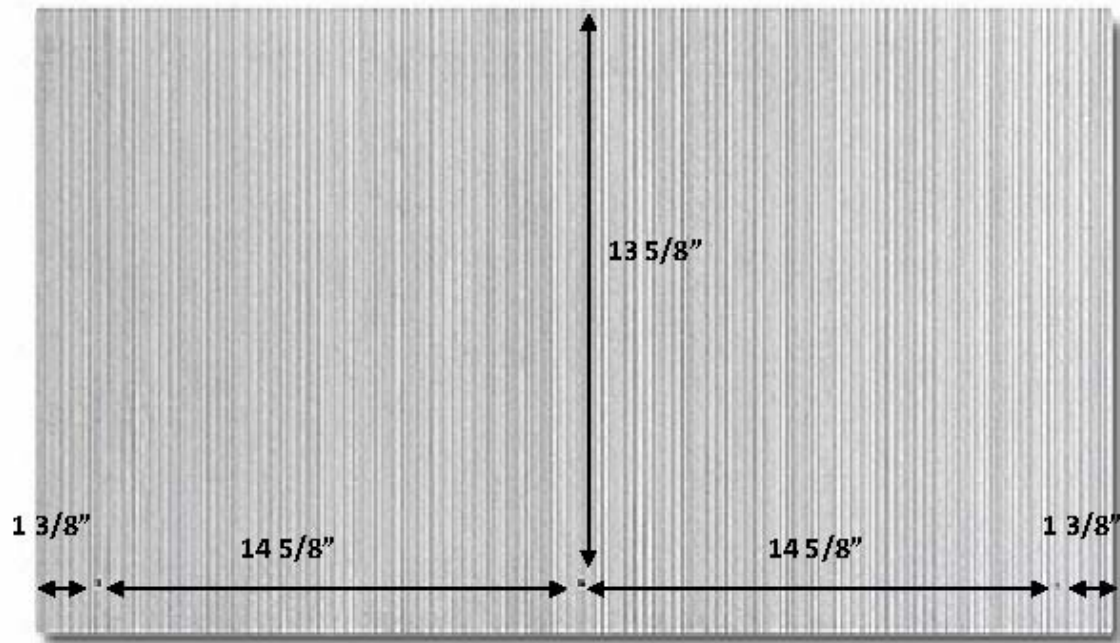


Figure 3: Profile™ 14, 3-nails/shingle

TABLE 1 (continued): SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES
WEATHERSIDE™

System No.	Framing (See Notes 1&2)	Sheathing (See Notes 1&2)	Siding	Attachment		Max. Design Pressure (psf)
				Fasteners	Spacing / Placement	
4.	Min. nominal 2x4 #2 SPF at max. 16-inch o.c.	Min. 19/32" plywood	Profile™ 14	Min. 12 ga. x min. 1.75-inch long ring shank nails (supplied with the siding)	Min. five (5) nails per shingle per Figure 4.	-42.7

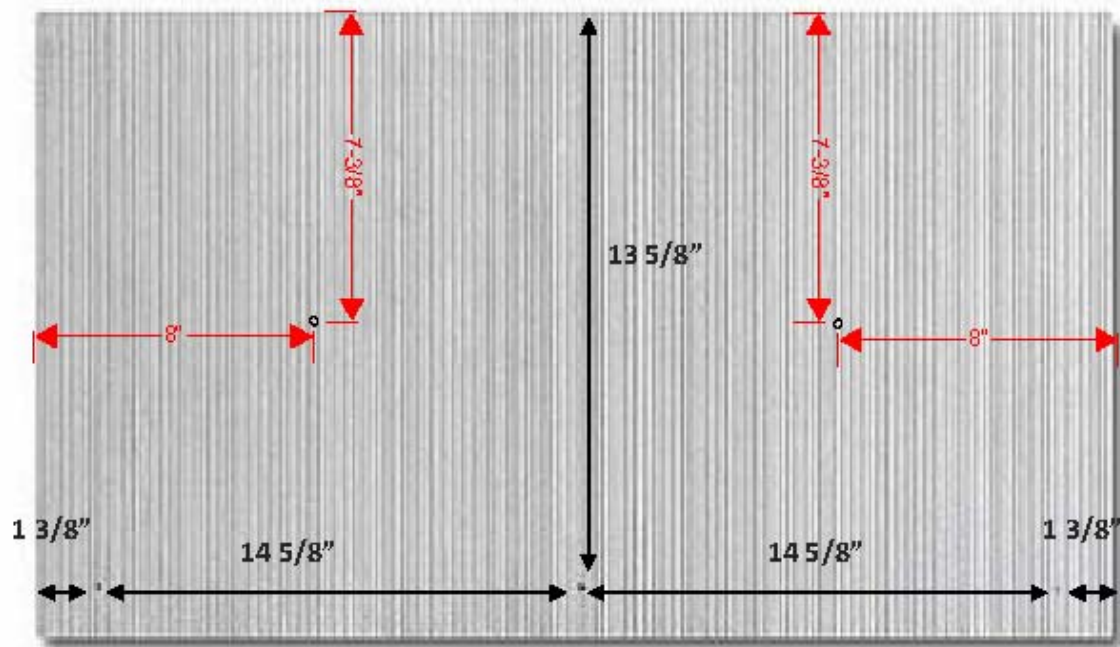


Figure 4: Profile™ 14, 5-nails/shingle

TABLE 1 (continued): SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES
WEATHERSIDE™

System No.	Framing (See Notes 1&2)	Sheathing (See Notes 1&2)	Siding	Attachment		Max. Design Pressure (psf)
				Fasteners	Spacing / Placement	
5.	Min. nominal 2x4 #2 SPF at max. 16-inch o.c.	Min. 19/32" plywood	Emphasis™	Min. 12 ga. x min. 1.75-inch long ring shank nails (supplied with the siding)	Min. three (3) nails per shingle per Figure 5.	-32.6

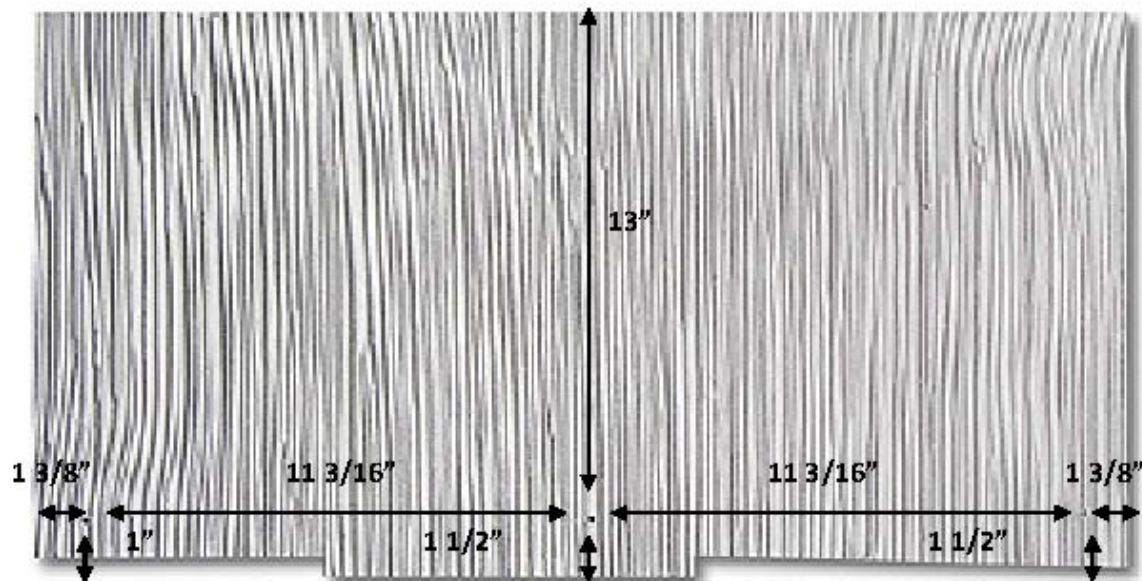


Figure 5: Emphasis™, 3-nails/shingle

TABLE 1 (continued): SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES
WEATHERSIDE™

System No.	Framing (See Notes 1&2)	Sheathing (See Notes 1&2)	Siding	Attachment		Max. Design Pressure (psf)
				Fasteners	Spacing / Placement	
6.	Min. nominal 2x4 #2 SPF at max. 16-inch o.c.	Min. 19/32" plywood	Emphasis™	Min. 12 ga. x min. 1.75-inch long ring shank nails (supplied with the siding)	Min. five (5) nails per shingle per Figure 6.	-54.3

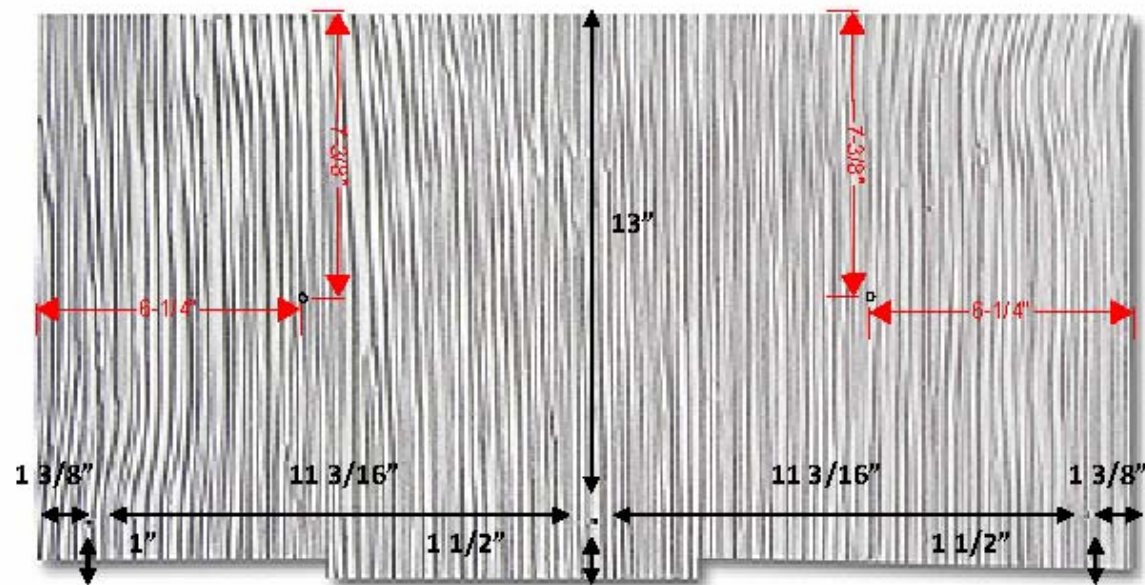


Figure 6: Emphasis™, 5-nails/shingle