



City of Belle Isle Job Site Card **Roof PERMIT** 2019-04-021

PERMIT MUST BE POSTED ON SITE - A permit expires in 6 months if approved inspections are not recorded /scheduled within that time frame. You are responsible for scheduling and keeping track of all your inspections -

Permit Number: 2019- 04-000

Issue Date: 04/08/2019

Site Address: 3002 Hoffner Ave 32812

Parcel #: 19-23-30-4382-02-430

Class: Residential **Subdivision:**

Description of Work: Roof for BOAT DOCK -Square Footage: 420 ASPHALT SHINGLES with **underlayment**

Number of Stories: 1

Issued: **ALBERT CICHRA BUILDERS INC**

Business Phone: 407 275-8954

Name: **CICHRA, ALBERT G JR**

Contractor License: CRC058230

Payment Date & Method: 4 / 18 / 2019 Picked up or sent by _____ Emailed

Visa Master Card Amex Discover Check / Money Order # 8719

Schedule Inspections via Email at: BI DScheduling@universalengineering.com

SCHEDULE INSPECTIONS BY 3:00 PM CUT OFF TIME

Inspection Results Will Be Sent Out the Following Business Day

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

ROOF	INSPECTOR	DATE	COMMENTS
NEW ROOFS ONLY Code 700 Deck Nailing, Dry-In, Flashing			This inspection only applies for a brand new roof only!
Both new & re-roof Code 710 In - Progress			This inspection consists of all underlayment/black paper coverage and only 25% shingle coverage.
Both new & re-roof Code 720 Final			After the In Progress has been passed, then the entire roof is covered with shingles.

Inspection requests are to be emailed to BI DScheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. **Next-Day Inspection requests must be made by 3:00 p.m.** Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed. **OSHA Approved Access to the Roof must be made Available to the Inspector.**



RECEIVED APR - 8 2019

City of Belle Isle
 Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
 Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

APPLICATION FOR ROOFING PERMIT

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

DATE OF APPLICATION: April 8, 2019 **ROOF PERMIT NUMBER** 2019-04-021
 PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:

Project Address 3002 Hoffner Ave, Belle Isle, FL 32809 x 32812
 Property Owner Jennifer Cantrell Phone 407-234-0710
 Property Owner's Mailing Address 3002 Hoffner Ave City Belle Isle
 State FL Zip Code 32812 **Parcel Id Number:** 19-23-30-4382-02-430

REQUIRED! To obtain this information, please visit <http://www.ocpaf.org/Searches/ParcelSearch.aspx>

Class of Building: Old New **Type of Building:** Residential Commercial Other
Type of Work: New Roof ReRoof

- **REQUIRED!** Florida Product Approval Screen Printout from www.floridabuilding.org showing the Code Version
- **REQUIRED!** Florida Product Approval Installation Instructions from www.floridabuilding.org (not the manufacturer instructions)
- **REQUIRED!** Copies of your General Liability & Worker's Comp Insurance Certificate & State and Local Licenses

Please indicate the nature of work by completing the information below:

Roof Square Footage: 420 **Number of Stories:** 1 **Job Valuation:** \$ 1250
Type: Asphalt Shingles Metal Modified Bitumen Other: _____

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances. By signing below, I recognize Republic Services is by legal contract the sole authorized provider of garbage, recycling, yard waste, and commercial garbage and construction debris collection and disposal services with the city limits of the City. Contractors, homeowners and commercial businesses may contact Republic Services at 407-293-8000 to setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from Republic Services. The City enforces the contract through its code enforcement office. Failure to comply will result in a stop work order.

LICENSE HOLDER SIGNATURE *Albert Cichra* LICENSE # CRC058230
 LICENSE HOLDER NAME Albert Cichra COMPANY NAME Albert Cichra Builders, Inc.
 Street Address 13936 Marine Drive
 City Orlando State FL Zip Code 32832 Phone Number 407-275-8954
 Email Address cichra@bellsouth.net

Zoning Fee	\$	<u>0 (new)</u>
Permit Fee	\$	<u>30.00</u>
Review Fee	\$	<u>15</u>
3% Florida Surcharge	\$	<u>4 min</u>
Total Permit Fee	\$	<u>49.00</u>

Building Official: *Randy Land* **Date:** 4/17/19
 Verified Contractor's Licenses & Insurance are on file *je* **Date:** 4-8-19

NOTE: The Building Permit Number is required if the Roof Installation is associated with any construction or alteration where a Building Permit has been issued. 1ST IF

PAID
4-18-19
MC 8919

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PENNING

City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
 Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

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root application

Product Approval Form

DATE: 04/07/2019

PERMIT # 2019-04-021

PROJECT ADDRESS 3002 Hoffner Ave, Belle Isle, FL 32809 x 32812

As required by Florida Statue 553.842 and Florida Administrative Code 9B-72m, please provide the information and approval numbers of the building components listed below if they will be utilized on the building or structure. FL Approved products are listed online at www.floridabuilding.org or can be obtained from the local product supplier. The following information must be turned in with permit application and available onsite for inspections:

1. **This Product Approval Cover Sheet**
2. **Internet screen from FloridaBuilding.org showing PA#, approval and code edition stamped**
3. **Manufacturer's *installation* details from FloridaBuilding.org and requirements for each product stamped**

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
EXTERIOR DOORS				WALL PANELS			
Swinging				Sliding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
WINDOWS				ROOFING PRODUCTS			
Single/Db1 Hung				Asphalt Shingles	Owens Corning	Oakridge	FL10674-F13
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Underlayment		30 lb felt	FL17206-R4
Skylights				Other			
Other							
STRUCTURAL COMPONENTS				OTHER			
Wood Connectors							
Wood Anchors							
Truss Plates							
Insulation Forms							
Lintels							
Other							

It is the applicant's responsibility to verify that specific products have been installed in accordance with their limitations and with the minimum required design pressures for the structure. Specific compliance will be verified during field inspections.

Applicant Signature *Neil C. [Signature]*

Date 04/07/2019



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

OFFICE OF THE SECRETARY

FL #	FL10674-R13	
Application Type	Revision	
Code Version	2017	
Application Status	Approved	
Comments	Archived	
Product Manufacturer	Owens Corning	
Address/Phone/Email	One Owens Corning Parkway Toledo, OH 43659 (740) 404-7829 greg.keeler@owenscorning.com	
Authorized Signature	Greg Keeler greg.keeler@owenscorning.com	
Technical Representative	Mel Sancrant	
Address/Phone/Email	1 Owens Corning PKWY Toledo, OH 43659 (419) 376-8360 mel.sancrant@owenscornig.com	
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 Evaluation Report - Hardcopy Received	
Florida Engineer or Architect Name who developed the Evaluation Report	Robert J.M. Nieminen	
Florida License	PE-59166	
Quality Assurance Entity	UL LLC	
Quality Assurance Contract Expiration Date	05/16/2020	
Validated By	John W. Knezevlch, PE ✓ Validation Checklist - Hardcopy Received	
Certificate of Independence	FL10674 R13 COI 2017 01 COI Nieminen.pdf	
Referenced Standard and Year (of Standard)	Standard	Year
	ASTM D3161	2016
	ASTM D3462	2010
	ASTM D7158	2011
Equivalence of Product Standards Certified By		
Sections from the Code		

Product Approval Method	Method 1 Option D
Date Submitted	10/10/2017
Date Validated	10/11/2017
Date Pending FBC Approval	10/15/2017
Date Approved	12/12/2017

Summary of Products

FL #	Model, Number or Name	Description
10674.1	Owens Corning Asphalt Roofing Shingles and Starters	3-tab, 4-tab, 5-tab, laminated, starter and hip & ridge shingles
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to ER, Section 5.		Installation Instructions FL10674 R13 II 2017 10 FINAL ER OC ASPHALT SHINGLES FL10674-R13.pdf Verified By: Robert J. M. Nieminen PE - 59166 Created by Independent Third Party: Yes Evaluation Reports FL10674 R13 AE 2017 10 FINAL ER OC ASPHALT SHINGLES FL10674-R13.pdf Created by Independent Third Party: Yes

[Back](#) [Next](#)

Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824](#)

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Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).



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EXTERIOR RESEARCH & DESIGN, LLC.

Certificate of Authorization #9503

353 CHRISTIAN STREET, UNIT #13

OXFORD, CT 06478

(203) 262-9245

EVALUATION REPORT

Owens Corning
One Owens Corning Parkway
Toledo, OH 43659
(740) 404-7829

Evaluation Report O37940.02.12-R8

FL10674-R13

Date of Issuance: 02/06/2012

Revision 8: 10/09/2017

SCOPE:

This Evaluation Report is issued under **Rule 61G20-3** 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 and Florida Building Code, Residential Volume. The products described herein have been evaluated for compliance with the **6th Edition (2017) Florida Building Code** sections noted herein.

DESCRIPTION: Owens Corning Asphalt Roof Shingles

LABELING: Labeling shall be in accordance with the requirements the Accredited Quality Assurance Agency noted herein and **FBC 1507.2.7.1 / R905.2.6.1**.

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 8.

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 10/09/2017. This does not serve as an electronically signed document.

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.
5. This is a building code evaluation. Neither Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Asphalt Shingles

Compliance Statement: Owens Corning Asphalt Roof Shingles, as produced by Owens Corning, have demonstrated compliance with the following sections of the 6th Edition (2017) 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, R905.2.4	Physical Properties	ASTM D3462	2010
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D3161	2016
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D7158	2011

3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
UL LLC (CER9626)	Physicals & Wind Resistance	File R2453, Vol. 3	02/15/2007
UL LLC (CER9626)	Physicals & Wind Resistance	20120516-R2453	05/16/2012
UL LLC (TST9628)	Physical Properties	06CA20263	04/18/2006
UL LLC (TST9628)	Wind Resistance	11CA34308	02/18/2012
UL LLC (TST9628)	Physicals & Wind Resistance	4786093137	02/01/2014
UL LLC (TST9628)	Wind Resistance	4786126532	02/10/2014
UL LLC (TST9628)	Physical Properties	Classification letter	02/13/2014
UL LLC (TST9628)	Physical Properties	Classification letter	10/02/2015
Miami-Dade (CER1592)	FBC HVHZ Compliance	Various NOAs	Various
UL LLC (QUA9625)	Quality Control	Service Confirmation	Exp. 05/16/2020

4. PRODUCT DESCRIPTION:

4.1 Asphalt Shingles:

- 4.1.1 Classic[®] and Supreme[®] are fiberglass reinforced, 3-tab asphalt roof shingles.
- 4.1.2 Berkshire[®] are fiberglass reinforced, 4-tab asphalt roof shingles.
- 4.1.3 Devonshire[™] are fiberglass reinforced, 5-tab asphalt roof shingles.
- 4.1.4 Duration[®], TruDefinition[®] Duration[®], Duration[®] Premium Cool, TruDefinition[®] Duration[®] Designer Color Collection, TruDefinition[®] Oakridge[®], Oakridge[®] and WeatherGuard[®] HP are fiberglass reinforced, laminated asphalt roof shingles.

4.2 Hip & Ridge Shingles:

- 4.2.1 Berkshire[®] Hip & Ridge Shingles, High Ridge, WeatherGuard[®] HP Hip & Ridge Shingles, ProEdge Hip & Ridge Shingles and DuraRidge[™] Hip & Ridge Shingles are fiberglass reinforced, hip and ridge asphalt roof shingles.

4.3 Accessory Starter Strips:

- 4.3.1 Starter Strip Shingle, Starter Strip Plus and Starter Shingle Roll are starter strips for asphalt roof shingles.

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC HVHZ jurisdictions.
- 5.3 Fire Classification is not part of this Evaluation Report; refer to current Approved Roofing Materials Directory for fire ratings of this product.

5.4 Wind Classification:

- 5.4.1 All **Owens Corning asphalt shingles** noted herein are Classified in accordance with **FBC Tables 1507.2.7.1 and R905.2.6.1 to ASTM D3161, Class F** and/or **ASTM D7158, Class H**, indicating the shingles are acceptable for use in all wind zones up to $V_{asd} = 150$ mph ($V_{ult} = 194$ mph). Refer to Section 6 for installation requirements to meet this wind rating.
- 5.4.2 All **Owens Corning hip & ridge shingles, Starter Strip Shingle and Starter Strip Plus** noted herein are Classified in accordance with **FBC Tables 1507.2.7.1 and R905.2.6.1 to ASTM D3161, Class F**, indicating the shingles are acceptable for use in all wind zones up to $V_{asd} = 150$ mph ($V_{ult} = 194$ mph). Refer to Section 6 for installation requirements to meet this wind rating.
- 5.4.3 Classification by **ASTM D7158** applies to **exposure category B or C**, as defined in **FBC 1609.4.3**, and a **mean roof height of 60 feet or less**. Calculations by a qualified design professional are required for conditions outside these limitations. Contact the shingle manufacturer for data specific to each shingle.
- 5.4.4 Refer to **Owens Corning** published information on wind resistance and installation limitations.
- 5.5 All products in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**.

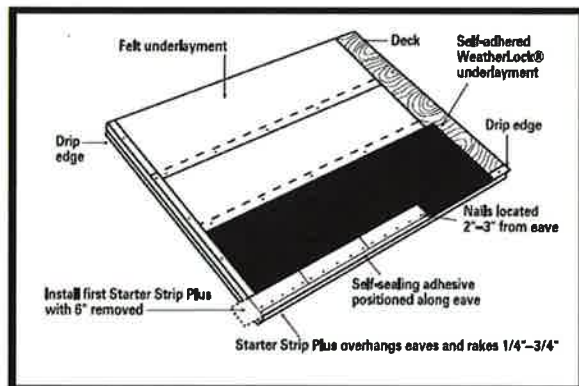
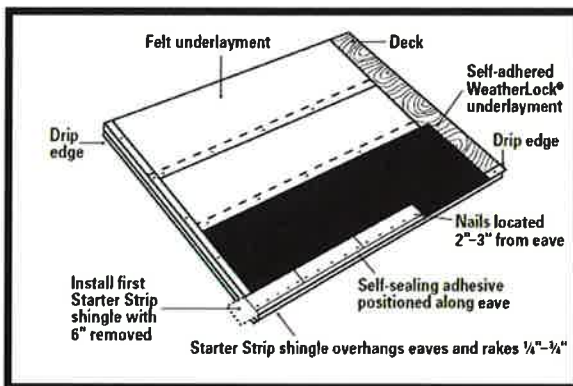
6. INSTALLATION:

6.1 Underlayment:

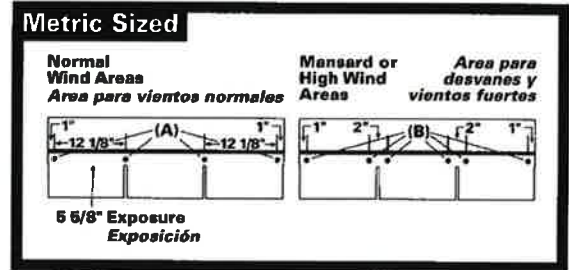
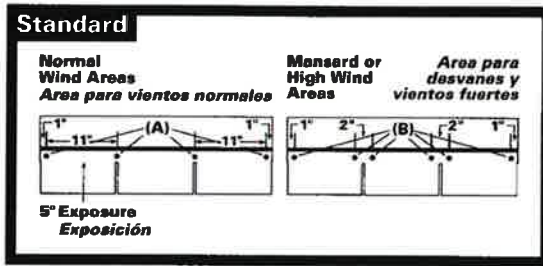
- 6.1.1 Underlayment shall be acceptable to **Owens Corning** and shall hold current Florida Statewide Product Approval, or be Locally Approved per **Rule 61G20-3**, per **FBC 1507.2.3, 1507.2.4 or R905.2.3**.

6.2 Asphalt Shingles:

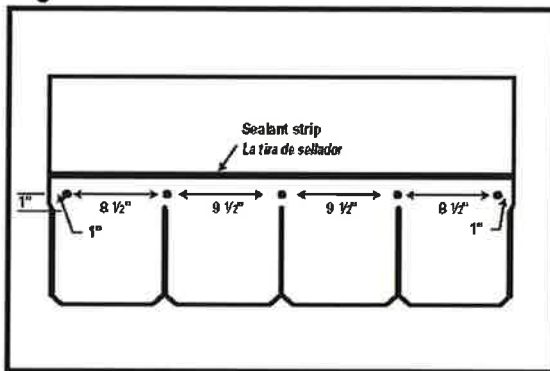
- 6.2.1 Installation of asphalt shingles shall comply with the **Owens Corning** current published instructions, using minimum four (4) nails per shingle in accordance with **FBC 1507.2.7 or R905.2.6**, with the following exceptions:
 - **Berkshire**® shingles require minimum five (5) nails per shingle.
 - **WeatherGuard**® HP shingles require minimum six (6) nails per shingle.
 - **Devonshire**™ shingles require minimum six (6) nails per shingle.
 - **Starter Strip Shingle and Starter Strip Plus** require minimum five (5) nails per strip.
 Refer to **Owens Corning** published information on wind resistance and installation limitations.
- 6.2.2 Fasteners shall be in accordance with the manufacturer’s published requirements, but not less than **FBC 1507.2.6 or R905.2.5**. Staples are not permitted.
- 6.2.4 Where the roof slope exceeds 21 units vertical in 12 units horizontal, special methods of fastening are required. See figures below for details.
- 6.2.5 **Minimum Nailing – Starter Strip Shingle and Starter Strip Plus:**



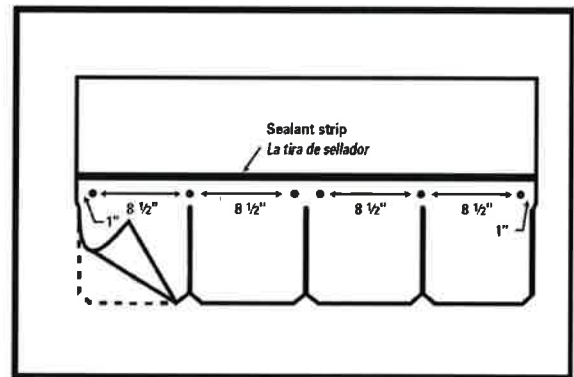
6.2.6 Minimum Nailing – Classic® & Supreme:



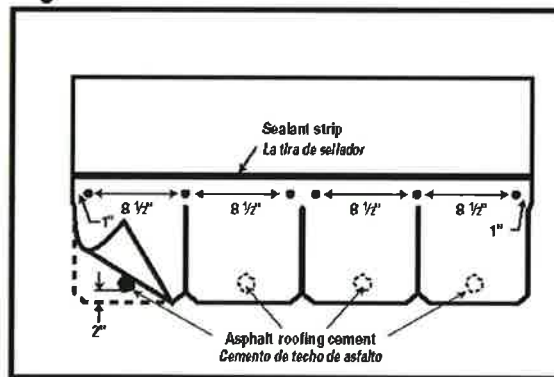
6.2.7 Minimum Nailing – Berkshire®:



Standard Fastening Pattern

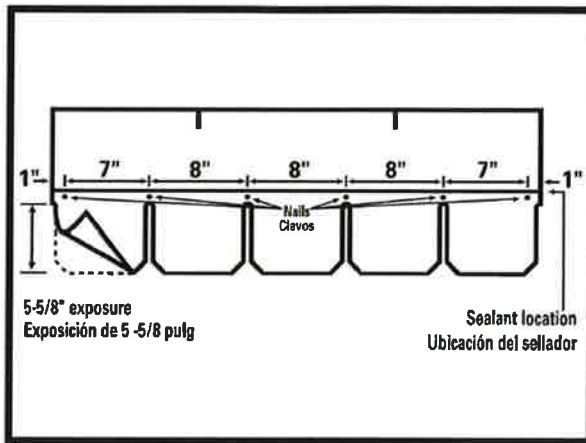


6-Nail Fastening Pattern

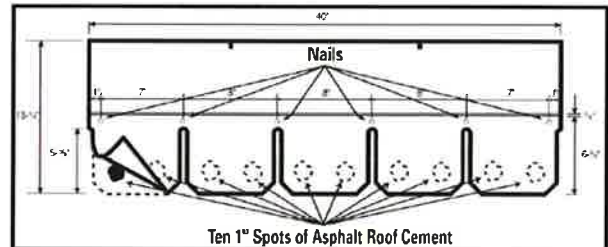


Mansard or Steep Slope Fastening Pattern

6.2.8 Minimum Nailing – Devonshire™:

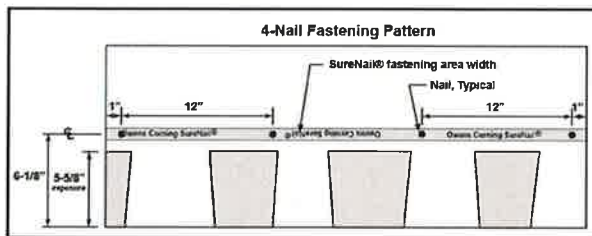


Standard 6-Nail Fastening Pattern

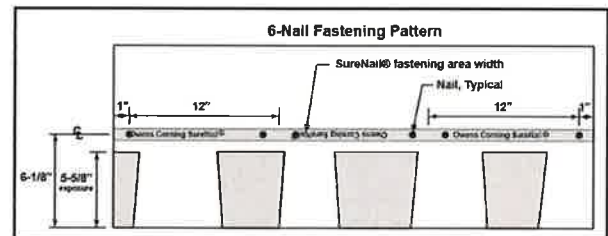


Mansard or Steep Slope Fastening Pattern

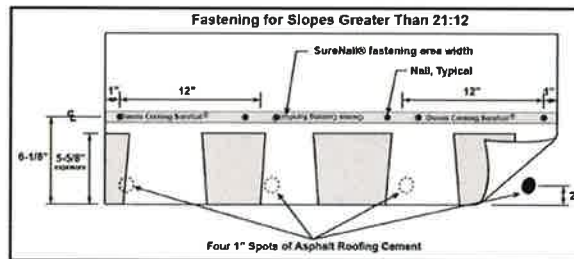
6.2.9 Minimum Nailing – Duration®, TruDefinition® Duration, Duration® Premium Cool & TruDefinition® Duration® Designer Color Collection:



Standard Fastening Pattern

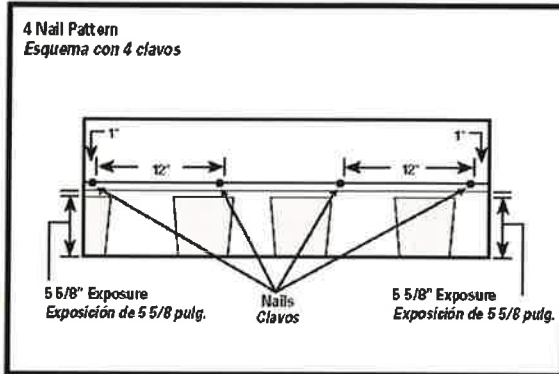


6-Nail Fastening Pattern

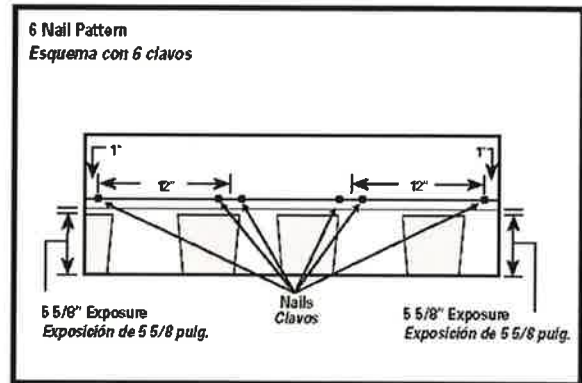


Mansard or Steep Slope Fastening Pattern

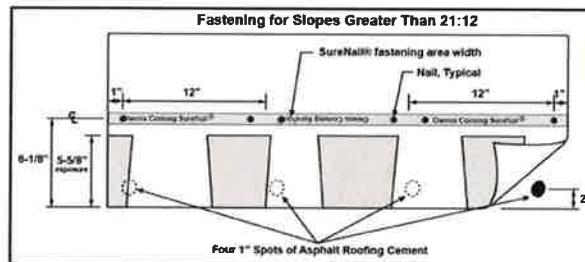
6.2.1 Minimum Nailing – TruDefinition® Oakridge®, Oakridge®:



Standard Fastening Pattern

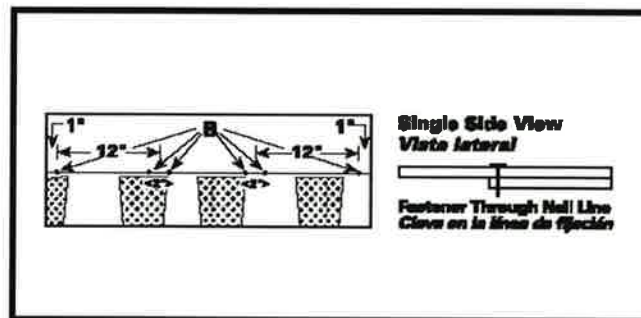


6-Nail Fastening Pattern



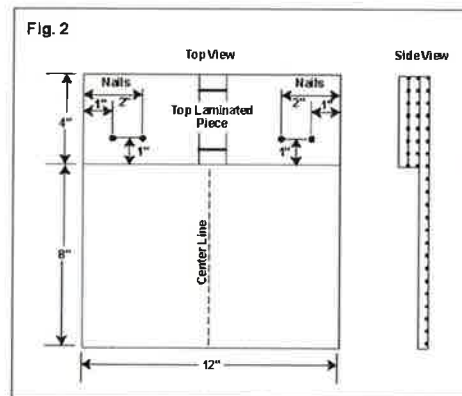
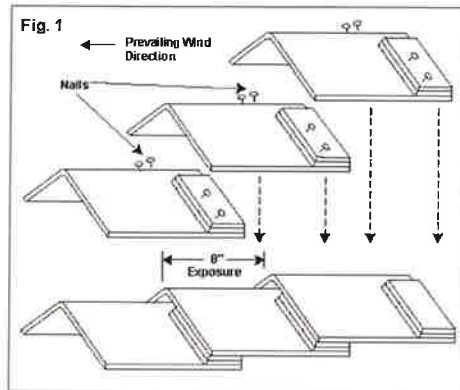
Mansard or Steep Slope Fastening Pattern

6.2.1 Minimum Nailing – WeatherGuard® HP:

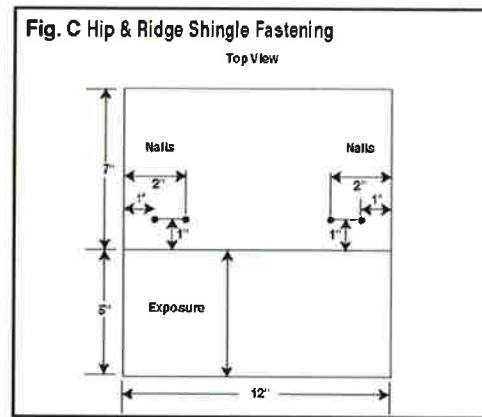
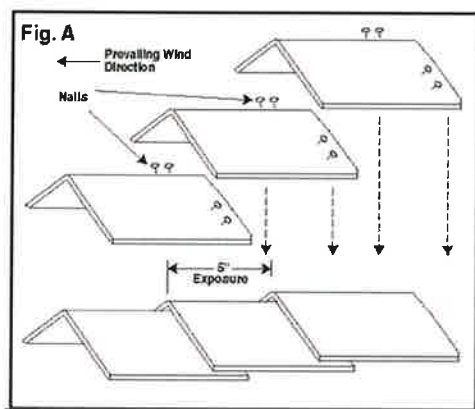


6.3 Hip & Ridge Shingles:

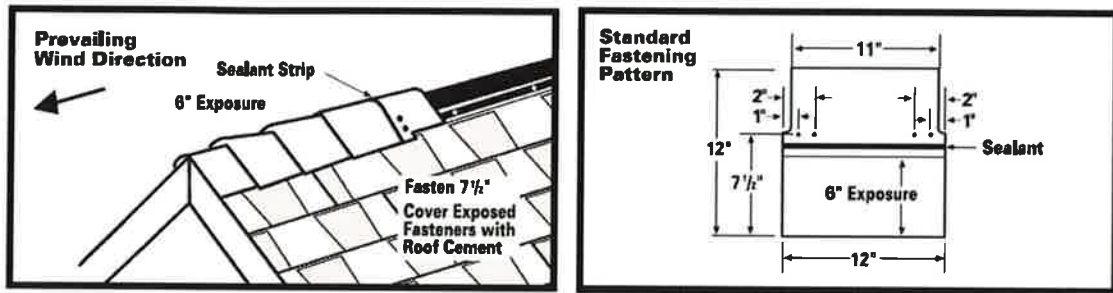
- 6.3.1 Installation of **Berkshire® Hip and Ridge Shingles, High Ridge, WeatherGuard® HP Hip and Ridge Shingles** and **ProEdge Hip & Ridge Shingles** shall comply with the **Owens Corning** current published instructions, using four (4) nails per shingle. Installation of **DuraRidge™ Hip & Ridge Shingles** shall comply with the **Owens Corning** current published instructions, using two (2) nails per shingle. Refer to **Owens Corning** published information on wind resistance and installation limitations, including the use of hand-sealing for wind warranties.
- 6.3.2 Fasteners shall be in accordance with the manufacturer’s published requirements, but not less than **FBC 1507.2.6 or R905.2.5**. Staples are not permitted.
- 6.3.3 Minimum Nailing – **Berkshire® Hip & Ridge and High Ridge:**



6.3.4 Minimum Nailing – **WeatherGuard® HP Hip and Ridge:**

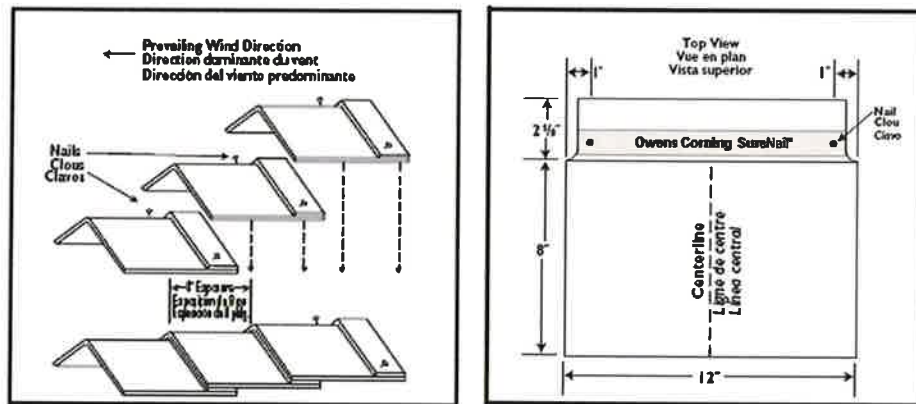


6.3.5 Minimum Nailing - ProEdge Hip & Ridge Shingles:



6.3.6 Minimum Nailing – DuraRidge™ Hip & Ridge Shingles:

Note: The drawings below pertain to minimum, as-tested attachment requirements. Refer to Owens Corning published installation instructions for their minimum requirements.



7. LABELING:

- 7.1 Labeling shall be in accordance with the requirements the Accredited Quality Assurance Agency noted herein.
- 7.2 Asphalt shingle wrappers shall indicate compliance with one of the required classifications detailed in **FBC Table 1507.2.7.1 / R905.2.6.1**.

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 the named QA entity for information on which plants produce products covered by Florida Rule 9N-3 QA requirements.

10. QUALITY ASSURANCE ENTITY:

UL LLC- QUA9625 ; (631) 546-2458; Kanchi.Agrawala-Dokania@ul.com

- END OF EVALUATION REPORT -

FLORIDA DEPARTMENT OF
Business & Professional Regulation



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Product Approval
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FL #	FL17206-R4								
Application Type	Revision								
Code Version	2017								
Application Status	Approved								
Comments									
Archived									
Product Manufacturer	WOODLAND INDUSTRIES, INC.								
Address/Phone/Email	1520 KALAMAZOO DRIVE GRIFFIN, GA 30224 (770) 228-6102 casey@woodlandroof.com								
Authorized Signature	Casey CROWNOVER casey@woodlandroof.com								
Technical Representative									
Address/Phone/Email									
Quality Assurance Representative									
Address/Phone/Email									
Category	Roofing								
Subcategory	Underlayments								
Compliance Method	Test Report								
Testing Lab	PRI Construction Materials Technologies, LLC								
Quality Assurance Entity	Keystone Certifications, Inc.								
Quality Assurance Contract Expiration Date	06/24/2024								
Validated By	Locke Bowden P.E. ✓ Validation Checklist - Hardcopy Received								
Certificate of Independence	FL17206_R4_COI_PRI-CMT Certificate of Independence - 2014-08-29.pdf								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>ASTM D 226</td> <td>97A</td> </tr> <tr> <td>ASTM D 226</td> <td>2009</td> </tr> <tr> <td>ASTM D 226</td> <td>2006</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	ASTM D 226	97A	ASTM D 226	2009	ASTM D 226	2006
<u>Standard</u>	<u>Year</u>								
ASTM D 226	97A								
ASTM D 226	2009								
ASTM D 226	2006								
Equivalence of Product Standards Certified By									
Product Approval Method	Method 1 Option B								
Date Submitted	10/20/2017								
Date Validated	02/14/2018								

Date Pending FBC Approval 02/16/2018
 Date Approved 04/10/2018
 Date Revised 04/11/2018

Summary of Products

FL #	Model, Number or Name	Description
17206.1	TYPE II underlayments-HVHZ	#30 Asphalt-Saturated Organic Felt
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: For use under discontinuous roof i.e. asphalt shingles with slope greater than 2:12. For Use in HVHZ.		Installation Instructions FL17206_R4_II_Woodlands Industries WII-008-02-03 Test Report - ASTM D 226 Type II No. 30(1).pdf Verified By: PRI Construction Materials Technologies, LLC Test Reports FL17206_R4_TR_Woodlands Industries WII-008-02-03 Test Report - ASTM D 226 Type II No. 30(1).pdf

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Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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Product Approval Accepts:



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CONSTRUCTION MATERIALS

TECHNOLOGIES

LABORATORY TEST RESULTS

Report for: Woodland Industries
1520 Kalamazoo Drive
Griffin, GA 30224

Attention: Bill Ward

Product Name(s): No. 30	Manufacturer: Woodland Industries
PRI-CMT Project No.: WII-008-02-03	Source: Woodland Industries
Date Received: May 12, 2017 Sep. 13, 2017	Dates Tested: May 16 – Sep. 15, 2017

Purpose: Evaluate No. 30 for compliance with the physical properties of **ASTM D 226 Asphalt-Saturated Felt Used in Roofing and Waterproofing, Type II.**

Test Methods: Testing was completed as described in ASTM D 226-09: *Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing*. Test methods assigned or referenced include ASTM D 70: *Standard Test Method for Density of Semi-Solid Bituminous Materials (Pycnometer Method)*; ASTM D 146: *Standard Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing*; and ASTM D 6136: *Standard Test Method for Kerosine Number of Unsaturated (Dry) Felt by Vacuum Method*.

Sampling: Product samples were provided by Woodland Industries from Griffin, GA.

WII-008-02-03

PRI-CMT Accreditations: AAMA; IAS; Miami-Dade; Florida; Los Angeles; CRRC; UL

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Results: ASTM D 226

Property	Test Method	Result	Requirement	
			Type I	Type II
Physical Requirements				
Breaking Strength (lbf/in-width) 20 specimens; 1" x 6" x thickness; Cond. 2h @ 73.4±3.6°F & 50±5%RH; Test @ 73.4±3.6°F; Rate=2in/min	ASTM D 146			
Longitudinal (with fiber grain)		66	≥ 30	≥ 40
Transverse (across fiber grain)		29	≥ 15	≥ 20
Pliability [Pass/Fail] 10 specimens; 1" x 8" x thickness; Cond. 10-15min in water @ 77±1.8°F; Test 90° around ½" radius in 2s	ASTM D 146		½" radius	¾" radius
Longitudinal (with fiber grain)		Pass	No Failures	No Failures
Transverse (across fiber grain)		Pass	No Failures	No Failures
Loss on Heating (weight %) 2 specimens; 12" x 6" x thickness; Test Cond. 221±5°F for 5h±3min	ASTM D 146	2	≤ 4	≤ 4
Dimensions and Masses				
Width of Roll (in)	ASTM D 146	35 7/8	36±1/4	36±1/4
Area, min (ft ²)	ASTM D 146	218	432	216
Moisture at Point of Manufacture (%)	ASTM D 146	NT	≤ 4.3	≤ 4.1
As Received ¹		3.2	≤ 4.3	≤ 4.1
Net Mass of Saturated Felt (lb/100ft ²)	ASTM D 146	26	≥ 11.5	≥ 26
Mass of Saturant (lb/100ft ²)	ASTM D 146	17.5	≥ 6.2	≥ 15.0
Mass Ratio of Saturant to Desaturated Felt	ASTM D 226	1.5	≥ 1.2	≥ 1.5
Saturation Efficiency (%)	ASTM D 226	NA	≥ 70	...
Mass of Desaturated Felt (lb/100ft ²)	ASTM D 146	11.4	≥ 5.2	≥ 10.0
Ash (%)	ASTM D 146	5.0	≤ 10.0	≤ 10.0

Continued on Following Page

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Property	Test Method	Result	Requirement	
			Type I	Type II
Perforated Felt (in ²)	ASTM D 226	NA	≤ 0.05	...
Average Venting Area (%)	ASTM D 226	NA	≥ 0.1	...
Other				
Unrolling @ 50°F and 140°F [Pass/Fail]	ASTM D 226	Pass	No Damage	No Damage

Note(s): 1- Moisture (As Received) was utilized in lieu of Moisture at Point of Manufacture;
 NT- Not Tested;
 NA- Not Applicable

Statement of Compliance:

The product was tested has demonstrated compliance with the physical requirements of Type II prescribed in **ASTM D 226-09: Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing.**

Signed: _____


 Zachary R. Priest
 Florida Registered Professional Engineer
 P.E. Number: 74021

Date: _____

09/18/2017



Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	09/18/2017	3	NA

END OF REPORT

WII-008-02-03

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