



City of Belle Isle Job Site Permit Card **ROOF** 2020-04-024

Subdivision

Site Address: 5870 Cove Dr 32812

Class: Residential

Parcel Number: 20-23-30-0000-00-020

Description of Work: ROOF - total square footage: 8400

Number of Stories: 1

ASPHALT SHINGLES with underlayment Square Footage: 8400

Please NOTE: Due to COVID 19, the permit will be issued pertaining to this address & Notice of Commencement (NOC)- without been recorded. However, the permit will not be closed (VALIDATED) until the RECORDED NOC IS RECEIVED.

Issued: (THE) FORD DESIGN GROUP LLC. FORD, ZURNY DESHAWN

License # CCC1331112

Contact # 321 231-4518

Payment/ Issued Date & Method: 4 / 23 / 2020

Picked up or sent by Emailed

Visa Master Card Amex Discover Check / Money Order#

2032

Table with 4 columns: ROOF, INSPECTOR, DATE, COMMENTS. Rows include NEW ROOFS ONLY, Both new & re-roof, and Both new & re-roof.

PLEASE NOTE: In order to schedule any inspections, the PERMIT / plans-specs. must be issued and POSTED on the JOB SITE! THIS WILL AVOID ANY FAILED INSPECTIONS & RE-INSPECTION FEES.

- Project Address
Corresponding Permit Number
Type of Inspection
Date of Inspection
Contact Name
Contact Phone Number
Gate / Entry code
AM, PM, or Any Time

Universal Engineering Sciences - 3532 Maggie Blvd., Orlando, FL 32811407-581-8161 \* Fax 407-581-0313 www.universalengineering.com

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY.

**RECEIVED**  
APR 07 2020



**City of Belle Isle**  
Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://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: 4/7/20 ROOF PERMIT NUMBER 2020-04-024  
PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:  
Project Address 5870 Cove Dr., Belle Isle, FL 32809 X 32812  
Property Owner Jay Cary Phone 954-328-7679  
Property Owner's Mailing Address 5870 Cove Dr. Orlando, FL 32812 City Orlando  
State FL Zip Code 32812 Parcel Id Number: 20-23-30-0000-00-020

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

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

**PAID**  
VAX 2032  
4-23-2020

REQUIRED! Florida Product Approval Form - NOTE: installation instructions must be posted on-site before your first inspection!

Please indicate the nature of work by completing the information below.  
Roof Square Footage: 8,400 Number of Stories: 1 Job Valuation: \$ 2,450.00  
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 [Signature] LICENSE # CCC1331112  
LICENSE HOLDER NAME ZURNY FORD COMPANY NAME (THE) FORD DESIGN GROUP  
Street Address 111 N. Orange Ave Suite 845  
City Orlando State FL Zip Code 32801 Phone Number 321-231-4518  
Email Address fordrecovery@gmail.com

Zoning Fee	\$ <u>30.-</u>
Building Fee	\$ <u>150</u>
Review Fee	\$ <u>0</u>
1% BCAIS Fee	\$ <u>2. mm</u>
1.5% DCA Fee	\$ <u>2.25</u>
<b>Total Permit Fee</b>	<b>\$ <u>184.25</u></b>

Building Official: OTR Date: 4-21-20  
Verified Contractor's Licenses & Insurance are on file fk Date: 4-23-2020

Need PA's, NOT COMPLETED

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.

1571K = 25  
25 x 5 = 125  
150

Permit Number: \_\_\_\_\_  
 Folio/Parcel ID #: 20-23-30-0000-00-020  
 Prepared by: (THE) FORD DESIGN GROUP LLC  
 111 N. Orange Ave. Suite 860  
 Orlando, FL 32877  
 Return to: Jay Cary  
 5870 Cove Dr.  
 Orlando, FL 32801

**Please NOTE: Due to COVID 19, the permit will be issued pertaining to this address & Notice of Commencement (NOC)- without been recorded. However, the permit will not be closed (VALIDATED) until the RECORDED NOC IS RECEIVED**

**NOTICE OF COMMENCEMENT**

State of Florida, County of Orange

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

- Description of property** (legal description of the property, and street address if available)  
 5870 Cove Dr. Orlando, FL. 32812 / BEG SW COR OF LOT 12 CONWAY GARDEN R/16 RUN S
- General description of improvement**  
 Re-Roof
- Owner information or Lessee information if the Lessee contracted for the improvement**  
 Name Jay Cary  
 Address 5870 Cove Dr. Orlando, FL. 32812  
 Interest in Property **OWNER**  
 Name and address of fee simple titleholder (if different from Owner listed above)  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
- Contractor**  
 Name (THE) FORD DESIGN GROUP LLC Telephone Number 407-466-1753  
 Address 111 N. Orange Ave. Suite 860 Orlando, FL 32801
- Surety** (if applicable, a copy of the payment bond is attached)  
 Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_ Amount of Bond \$ \_\_\_\_\_
- Lender**  
 Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_
- Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by §713.13(1)(a)7, Florida Statutes.**  
 Name **NONE** Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_
- In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in §713.13(1)(b), Florida Statutes.**  
 Name **NONE** Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_
- Expiration date of notice of commencement** (the expiration date will be 1 year from the date of recording unless a different date is specified) \_\_\_\_\_

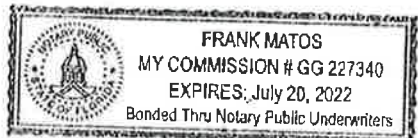
**WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.**

Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager Jay C. Cary Signatory's Title/Office **OWNER**

The foregoing instrument was acknowledged before me this 17 day of April by Jay C. Cary  
 as \_\_\_\_\_ for \_\_\_\_\_  
 Type of authority, e.g., officer, trustee, attorney in fact Name of party on behalf of whom instrument was executed

Signature of Notary Public - State of Florida Frank Matos Print, type, or stamp commissioned name of Notary Public **FRANK MATOS**

Personally Known \_\_\_\_\_ OR Produced ID   
 Type of ID Produced C 600 423 59 - 093-0





**City of Belle Isle**  
 Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
 Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://www.universalengineering.com)



## Product Approval Form

DATE: 4/10/2020

PERMIT # \_\_\_\_\_

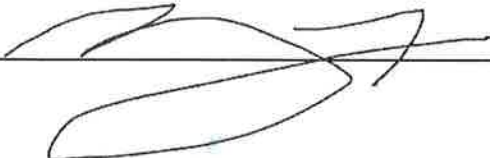
PROJECT ADDRESS 5870 Cove Drive Belle Isle, FL, Belle Isle, FL 32809 x 32812

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](http://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:

- **This Product Approval Cover Sheet**
- **Internet screen printout from FloridaBuilding.Org showing PA#, approval code and edition stamped**
- **Manufacturer's installation details from FloridaBuilding.Org and requirements for each product stamped**
- **The Installation instructions must be posted on-site before your first inspection**

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
<b>EXTERIOR DOORS</b>				<b>WALL PANELS</b>			
Swinging				Siding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
<b>WINDOWS</b>				<b>ROOFING PRODUCTS</b>			
Single/Dbf Hung				Asphalt Shingles	FL5444-R15		
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Underlayment	FL8097-R5		
Skylights				Other			
Other							
<b>STRUCTURAL COMPONENTS</b>				<b>OTHER</b>			
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** 

**Date** 4/10/2020



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**Product Approval**  
USER: Public User

Product Approval Menu > Product or Application Search > Application List > Application Detail



FL #	FL5444-R15
Application Type	Revision
Code Version	2017
Application Status	Approved

Comments  
 Archived

Product Manufacturer	CertainTeed Corporation-Roofing
Address/Phone/Email	20 Moores Road Malvern, PA 19355 (610) 893-5400 mark.d.harner@saint-gobain.com

Authorized Signature	Mark Harner mark.d.harner@saint-gobain.com
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Technical Representative	Mark D. Harner
Address/Phone/Email	18 Moores Road Malvern, PA 19355 (610) 651-5847 Mark.D.Harner@saint-gobain.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
	<input 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	UL LLC
Quality Assurance Contract Expiration Date	11/13/2022
Validated By	John W. Knezevich, PE
	<input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received

Certificate of Independence [FL5444\\_R15\\_COI\\_2019\\_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	08/14/2019
Date Validated	08/14/2019
Date Pending FBC Approval	08/17/2019
Date Approved	10/15/2019

**Summary of Products**

FL #	Model, Number or Name	Description
5444.1	CertainTeed Asphalt Roof Shingles	3-tab, 4-tab, strip (no-cut-outs), laminated and architectural asphalt roof shingles
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> N/A <b>Other:</b> Refer to ER Section 5 for Limits of Use		<b>Installation Instructions</b> <a href="#">FL5444 R15 II 2019 08 FINAL ER CERTAINTEED FL5444-R15.pdf</a> Verified By: Robert Nieminen, PE PE-59166 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL5444 R15 AE 2019 08 FINAL ER CERTAINTEED FL5444-R15.pdf</a> Created by Independent Thrd 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](#).





**NEMO|etc.**

Certificate of Authorization #32455  
353 Christian Street, Unit #13  
Oxford, CT 06478  
(203) 262-9245

ENGINEER

EVALUATE

TEST

CONSULT

CERTIFY

**EVALUATION REPORT**

**CertainTeed Corporation**

20 Moores Road  
Malvern, PA 19355  
(610) 651-5847

**Evaluation Report 3532.09.05-R16**

**FL5444-R15**

**Date of Issuance: 09/22/2005**

**Revision 16: 08/14/2019**

**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 **6<sup>th</sup> Edition (2017) Florida Building Code** sections noted herein.

**DESCRIPTION: CertainTeed Asphalt Roof Shingles.**

**LABELING:** Labeling shall be in accordance with the requirements of 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 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. of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO|etc. 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 "NEMO|etc. Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

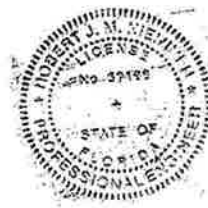
**INSPECTION:** Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 15.

**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 08/14/2019. This does not serve as an electronically signed document.

**CERTIFICATION OF INDEPENDENCE:**

1. NEMO|etc. 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. NEMO|etc. 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 NEMO|etc. 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: CertainTeed Asphalt Roof Shingles, as produced by CertainTeed Corporation, have demonstrated compliance with the following sections of the 6th Edition (2017) Florida Building Code and 6th Edition (2017) 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:

Table with 4 columns: Section, Property, Standard, Year. Rows include 1507.2.5, R905.2.4; 1507.2.7.1, R905.2.6.1; 1507.2.7.1, R905.2.6.1.

3. REFERENCES:

Table with 4 columns: Entity, Examination, Reference, Date. Lists various testing entities like UL and ASTM with their respective standards and test dates.





#### 4. PRODUCT DESCRIPTION:

##### 4.1 Asphalt Shingles:

- 4.1.1 CT20™, XT™ 25, XT™ 30 and XT™ 30 IR are fiberglass reinforced, 3-tab asphalt roof shingles.
- 4.1.2 Arcadia™, Belmont®, Belmont® IR, Carriage House Shingle®, Grand Manor Shingle®, Landmark™, Landmark™ IR, Landmark™ Pro, Landmark™ Pro Solaris, Landmark™ Premium, Landmark™ TL, Landmark™ Solaris, Landmark™ Solaris IR and Landmark™ Solaris Gold/Platinum are fiberglass reinforced, laminated asphalt roof shingles.
- 4.1.3 NorthGate™ is a fiberglass reinforced, laminated, SBS modified bitumen roof shingle.
- 4.1.4 Presidential Shake™, Presidential Shake™ IR, Presidential Shake TL™ and Presidential Solaris™ are fiberglass reinforced, architectural asphalt roof shingles.
- 4.1.5 Hatteras™, Highland Slate™ and Highland Slate™ IR are fiberglass reinforced, 4-tab asphalt roof shingles.
- 4.1.6 Patriot™ is a fiberglass reinforced asphalt roof strip-shingle (with no cut-outs) providing a laminated appearance through an intermittent shadow line with contrasting blend drops for color definition.

##### 4.2 Hip & Ridge Shingles:

- 4.2.1 Presidential Accessory, Accessory for Hatteras, Shangle Ridge™, Shadow Ridge™, Cedar Crest™, Cedar Crest™ IR, NorthGate Ridge and NorthGate Accessory are fiberglass reinforced accessory shingles for hip and ridge installation.

##### 4.3 Accessory Starter Strips:

- 4.3.1 High-Performance Starter is a starter shingle, measuring 10" x 36", comprised of a fiber glass mat base and ceramic-coated mineral granules embedded in asphalt. These starter shingles are designed for use with Grand Manor Shingle®, Hatteras™ and Highland Slate™.
- 4.3.2 Presidential Starter is a starter shingle, measuring 13-1/4" x 40" (overall), comprised of a fiber glass mat base and ceramic-coated mineral granules embedded in asphalt with a reinforcement on its underside (for impact resistance considerations). These starter shingles, applied using two (2) overlapping layers, are designed for use with Presidential Shake™ and Presidential Shake TL™.
- 4.3.3 Presidential Starter IR is a starter shingle, measuring 13-1/4" x 40" (overall), comprised of a fiber glass mat base and ceramic-coated mineral granules embedded in asphalt. These starter shingles, applied using two (2) overlapping layers, are designed for use with Presidential Shake™ IR.
- 4.3.4 SwiftStart® Starter Shingle is a starter strip for asphalt roof shingles. Its overall size of 15-1/4" x 38-3/4" yields two (2) 7-5/8" x 38-3/4" starter pieces per shingle.
- 4.3.5 Universal Starter is a starter shingle, measuring 7" x 36" (overall), comprised of a fiber glass mat base and ceramic-coated mineral granules embedded in asphalt. These starter shingles are designed for use with any CertainTeed shingle measuring 12" x 36" having a weather exposure ≤ 5".
- 4.4 Any of the above listed shingles may be produced in AR (algae resistant) versions.

#### 5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO|etc. 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 within 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.



NEMO | etc.

5.4 **Wind Classification:**

- 5.4.1 All 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 **Presidential Accessory, Accessory for Hatteras, Shangle Ridge, Shadow Ridge, Cedar Crest, NorthGate Ridge and NorthGate Accessory hip & ridge shingles** have been evaluated in accordance with ASTM D3161, Class F. All **except Shadow Ridge (produced in Oxford, NC), NorthGate Ridge and NorthGate Accessory** require use of **BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant**; applied as specified in manufacturer's application instructions; for use in 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 **High-Performance Starter, Presidential Starter, Presidential Starter IR, SwiftStart® Starter Shingle and Universal Starter** have been evaluated in accordance with ASTM D3161, Class F. Refer to Section 6 for installation requirements to meet this wind rating.
- 5.4.3.1 **High-Performance Starter** shingles are limited to use with **Grand Manor Shangle®, Hatteras™ and Highland Slate™** shingles.
- 5.4.3.2 **Presidential Starter** shingles must be applied using two (2) overlapping layers and are limited to use with **Presidential Shake™ and Presidential Shake TL™** shingles.
- 5.4.3.3 **Presidential Starter IR** shingles must be applied using two (2) overlapping layers and are limited to use with **Presidential Shake™ IR** shingles.
- 5.4.3.4 **Universal Starter** shingles are limited to use with CertainTeed shingles measuring 12" x 36" having a weather exposure  $\leq 5"$ .
- 5.4.4 Classification by ASTM D7158 applies to exposure category B or C and a building 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.
- 5.4.4.1 **Analysis in accordance with ASTM D7158** indicates the measured uplift resistance ( $R_T$ ) for the CertainTeed asphalt Roof shingles listed in Section 4.1.1 through 4.1.6 (*except Presidential Solaris™, Landmark™ Pro Solaris and Landmark™ Solaris Gold/Platinum*) exceeds the calculated uplift force ( $F_T$ ) at a maximum design wind speed of  $V_{asd} = 150$  mph ( $V_{ult} = 194$  mph) for residential buildings located in Exposure D conditions with no topographical variations (flat terrain) having a mean roof height less than or equal to 60 feet. The shingles are permissible under Code for installation in these conditions using the installation procedures detailed in this Evaluation Report and CertainTeed minimum requirements, subject to minimum codified fastening requirements established within any local jurisdiction, which shall take precedence.
- 5.5 All products in the roof assembly shall have quality assurance audits in accordance with FAC Rule 61G20-3.



**6. INSTALLATION:**

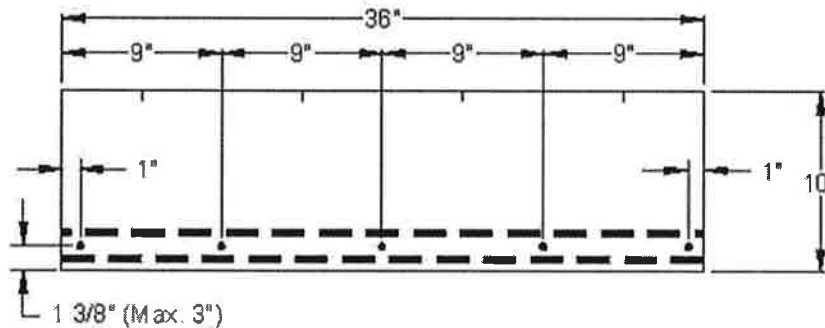
- 6.1 Roof deck, slope, underlayment and fasteners shall comply with FBC 1507.2 / R905.2 and the shingle manufacturer's minimum requirements.
- 6.1.1 Underlayment shall be acceptable to **CertainTeed Corporation** and shall hold current Florida Statewide Product Approval, or be Locally Approved per Rule 61G20-3, per FBC Sections 1507.2.3, 1507.2.4 or R905.2.3.
- 6.2 Installation of asphalt shingles shall comply with the **CertainTeed Corporation** current published instructions, using minimum four (4) nails per shingle in accordance with FBC 1507.2.7 or Section R905.2.6 and the minimum requirements herein.
- 6.2.1 Fasteners shall be in accordance with manufacturer's published requirements, but not less than FBC 1507.2.6 or R905.2.5. Staples are not permitted.
- 6.2.2 Where the roof slope exceeds 21 units vertical in 12 units horizontal, use the "Steep Slope" directions.
- 6.3 CertainTeed asphalt shingles are acceptable for use in reroof (tear-off) or recover applications, subject to the limitations set forth in FBC Section 1511 or R908 and CertainTeed published installation instructions.

**6.4 HIGH-PERFORMANCE STARTER:**

- 6.4.1 Eaves: For the first starter shingle in each roof corner, use five (5) nails as shown below. All other starter shingles require four (4) nails per shingle. Nails must be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. Nails are to be 11 or 12 gauge, corrosion-resistant roofing nails with 3/8" heads. Apply the 10" starter shingle with its factory-applied sealant stripes at the shingle's lower-most edge and nail firmly into the roof deck as near as possible \*(maximum 3") to the eaves edge while avoiding the sealant. With the starter shingle well fastened to the deck and the sealant low on the starter shingle, it can firmly adhere to the first course shingles. \*If nailing within 3" is not possible, nail as closely as possible, then lift and adhere the starter shingle to the underlayment and to the supporting structure with CertainTeed FlintBond™ Asphalt Roofing Cement-Caulk Grade, or approved equal.

Rakes: Prior to installation of the field shingles, starter shingles may be applied up the slope along the rake edge with sealant edge placed closest to the rake edge. Fasten as indicated below.

**HIGH-PERFORMANCE STARTER SHINGLES**





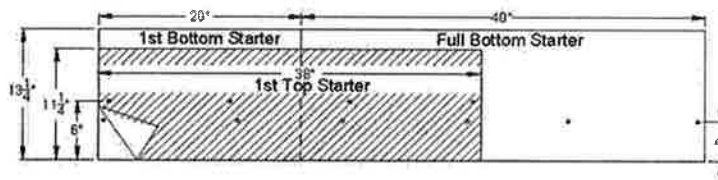
**6.5 PRESIDENTIAL STARTER AND PRESIDENTIAL STARTER IR:**

6.5.1 General: These shingles shall be applied by using two (2) overlapping layers. Begin application of the bottom/lower layer of starter shingles by cutting and applying a 13-3/4" x 20" piece at the lower left rake/eaves corner overhanging rakes and eaves 1/4" to 3/4". Continue along the eaves with full-size 13-1/4" x 40" starter shingles. Each top/upper starter course shingle shall have its 2" top section removed at the perforations, resulting in 11-1/4" x 40" shingles. The colored granule portion of the "top" starter shingles shall be located nearest the lowermost eave edge. Install the first top/upper starter shingle so that it is flush to the left side and bottom edges of the first bottom/lower starter shingle. This first top/upper starter shingle shall be 11-1/4" x 38". Continue along the eaves with 11-1/4" x 40" top/upper starter shingles ensuring that the lower edges are flush with the lower edges of the bottom/lower layer. Reference the product's wrapper for more specific details.

Eaves: Fasten as shown below. Rakes: After applying the starter shingles at the eaves, but prior to installing the field shingles, starter shingles may be applied up the slope at the rake edge. Fasten as shown below.

Fastening: Four nails are required per shingle. Nails shall be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. Nails are to be 11 or 12 gauge, corrosion-resistant roofing nails with 3/8" heads.

**Presidential Starter and Presidential IR Starter Shingles**



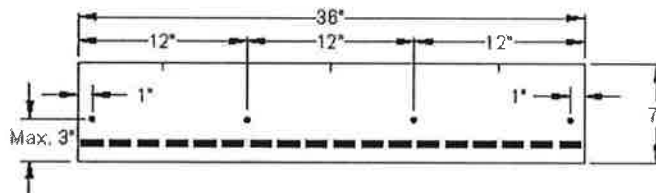
**6.6 UNIVERSAL STARTER:**

6.6.1 General: While Universal Starter Strip shingles are specifically designed to be used with shingles 36" length and having a weather exposure of ≤ 5", they may be installed beneath shingles of any length if special precautions are taken. IMPORTANT: In all cases the end joints of the starter and the first course shingles shall NEVER BE LESS THAN 3-1/2" apart.

Eaves: The sealant on starter courses should face out and lie as close as possible to the eaves edge of the roof. Fasten as described below. Rakes: After applying the starter shingles at the eaves, but prior to installing the field shingles, starter shingles may be applied up the slope at the rake edge with sealant facing out and nearest to the outer roof edge. Fasten as described below.

Fastening: Use four nails on these starter shingles as shown below. The sealant on starter courses shall lie as close as possible to the eaves edge of the roof. Nails shall be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. Nails are to be 11 or 12 gauge, corrosion-resistant roofing nails with 3/8" heads.

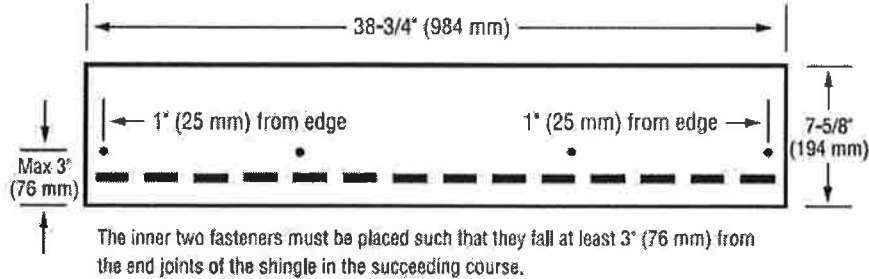
**UNIVERSAL STARTER SHINGLES**





6.7 SWIFTSTART® STARTER SHINGLE:

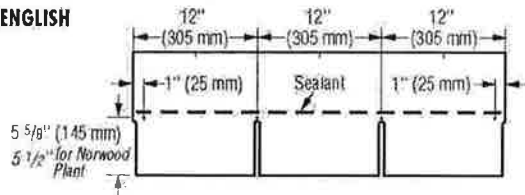
Fastening: Use four nails, located as shown below



6.8 CT20™, XT™ 25, XT™ 30, XT™ 30 IR:

LOW AND STANDARD SLOPE

ENGLISH



METRIC

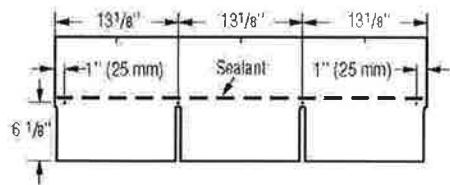


Figure 11-3: Use four nails for every full shingle.

STEEP SLOPE

Use four nails and six spots of asphalt roofing cement\* for every full shingle (Figure 11-4). Asphalt roofing cement meeting ASTM D4586 Type II is suggested.

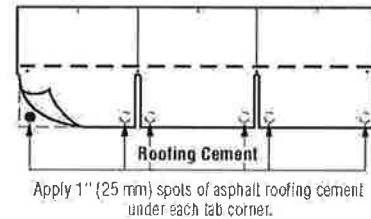


Figure 11-4: Use four nails and six spots of asphalt cement on steep slopes.

\*CAUTION: Excessive use of roofing cement can cause shingles to blister.

6.8.1 Hip & Ridge for CT20™, XT™ 25, XT™ 30, XT™ 30 IR: Cut Shingles

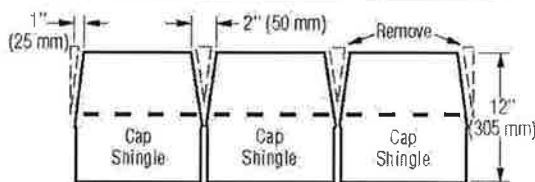


Figure 11-24: Cut tabs, then trim back to make cap shingles (English dimensions shown).

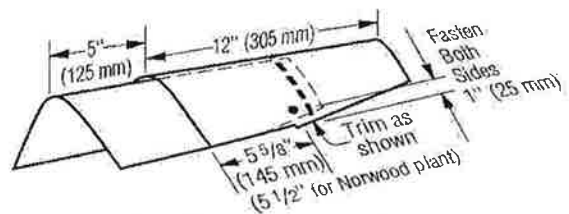


Figure 11-25: Installation of caps along the hips and ridges.

6.8.1.1 For ASTM D3161, Class F performance use BASF "Sonolastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant", in accordance with CertainTeed requirements.



6.9 **ARCADIA™:**

**LOW AND STANDARD SLOPE**

Use SIX nails for every full shingle located as shown below.

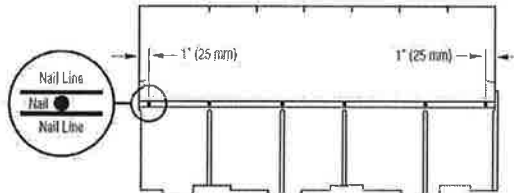


Figure 2: Use six nails for every full shingle.

**STEEP SLOPE**

Use SIX nails and FOUR spots of asphalt roofing cement for every full shingle as shown below. Apply asphalt roofing cement 1" (25 mm) from edge of shingle. Asphalt roofing cement meeting ASTM D 4586 Type II is suggested.

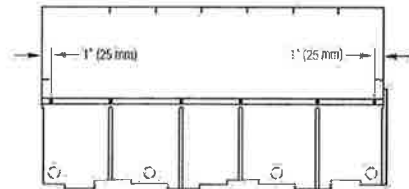
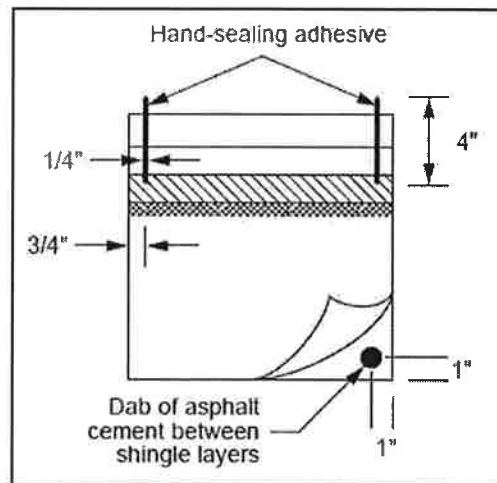
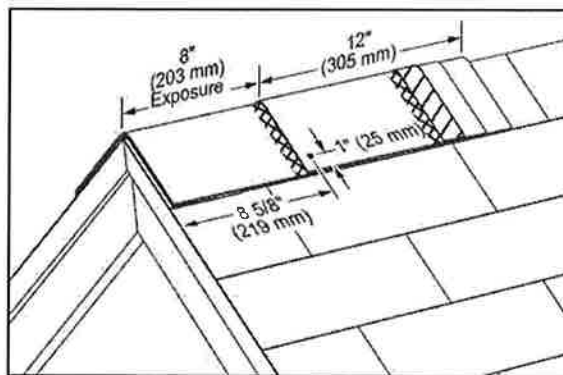


Figure 3: Use six nails and four spots of asphalt roofing cement on steep slopes.

6.9.1 **Hip & Ridge for Arcadia™: Cedar Crest™, Cedar Crest™ IR**

Use two (2), minimum 1¾-inch long fasteners per shingle. For the starter shingle, place fastener 1-inch from each side edge and about 2-inch up from the starter shingle's exposed butt edge, ensuring minimum ¾-inch embedment into the deck, or full penetration through the deck. For each full Cedar Crest shingle, place fasteners 8-5/8-inch up from its exposed butt edge and 1-inch from each side edge.

For ASTM D3161, Class F performance use BASF "Sonolastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant", in accordance with CertainTeed requirements, to hand-seal Cedar Crest shingles. Apply NP 1 or PL adhesive from the middle of the shingle's raised overlay on the top piece and extending approximately 4-inch along the sides of the headlap along a line ¾ to 1-inch from each side of the shingle's headlap. Immediately align and apply the overlying shingle, gently pressing tab sides into the adhesive, and install nails. To secure the other side, apply a 1-inch diameter spot of NP 1 or PL adhesive between the shingle layers.



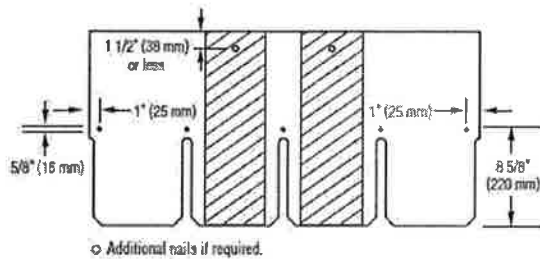


6.10 BELMONT® OR BELMONT® IR:

Low and Standard Slope

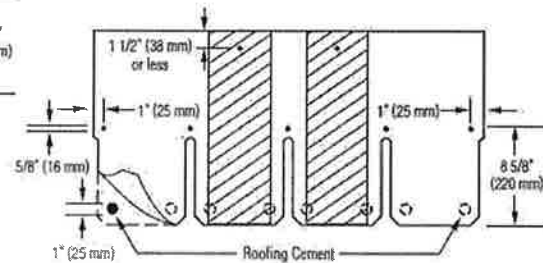
(2:12 to 21:12):

Use FIVE nails for every full Belmont shingle, located as shown below.



Steep Slope (greater than 21:12):

Use SEVEN nails and EIGHT spots of asphalt roofing cement\*\* for every full Belmont shingle. Apply asphalt roofing cement 1" (25mm) from edge of shingle. See below. Asphalt roofing cement meeting ASTM D4586 Type II is suggested.



6.10.1 Hip & Ridge for Belmont® or Belmont® IR:

6.10.1.1 **Option 1:** For Belmont®, refer to instructions herein for Cedar Crest™ or Cedar Crest™ IR hip and ridge shingles. For Belmont® IR, refer to instructions herein for Cedar Crest™ IR hip and ridge shingles.

6.10.1.2 **Option 2:** For Belmont®: Shangle® Ridge

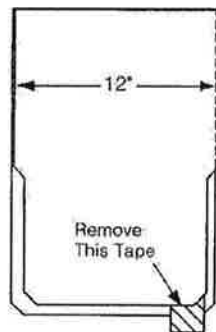


Figure 17-18: Shangle® Ridge.

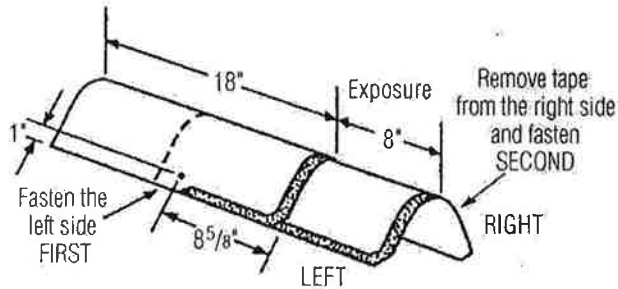


Figure 17-19: Installation of Shangle® Ridge shingles on hips and ridges.

6.10.1.3 For ASTM D3161, Class F performance use BASF "Sonolastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant", in accordance with CertainTeed requirements.



**6.11 CARRIAGE HOUSE SHANGLE® AND GRAND MANOR SHANGLE®:**

**LOW AND STANDARD SLOPE**

Use five nails for every full Shangle.

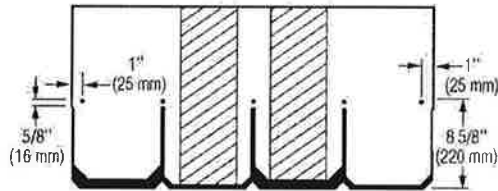


Figure 17-4: Use five nails for every full Grand Manor Shangle, Carriage House Shangle, or Centennial Slate.

**STEEP SLOPE**

Use seven nails and three spots of asphalt roofing cement for every full Grand Manor Shangle. Use five nails and three spots of asphalt roofing cement for every full Carriage House Shangle and Centennial Slate. Apply asphalt roofing cement 1" (25 mm) from edge of shingle (Figure 17-5). Asphalt roofing cement meeting ASTM D4586 Type II is suggested.

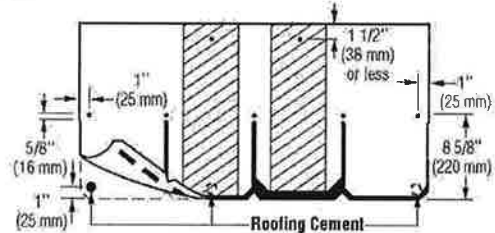
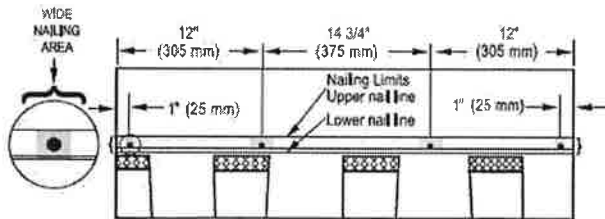


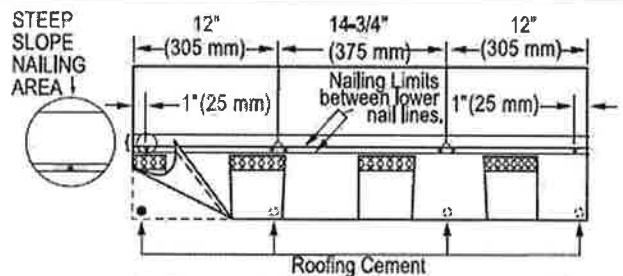
Figure 17-5: When installing Grand Manor Shangles on steep slopes, use seven nails and three spots of asphalt roofing cement.

6.11.1 **Hip & Ridge for Carriage House Shangle® and Grand Manor Shangle:** Refer to instructions herein for Shangle® Ridge hip and ridge shingles

**6.12 LANDMARK™, LANDMARK™ IR, LANDMARK™ PRO, LANDMARK™ PRO SOLARIS, LANDMARK™ PREMIUM, LANDMARK™ SOLARIS, LANDMARK™ SOLARIS IR, LANDMARK™ SOLARIS GOLD/PLATINUM OR NORTHGATE:**



Nailing areas for low and standard slopes (from 2:12 to 21:12)  
Nail between upper & lower lines as shown above.



Nailing areas for steep slopes (greater than 21:12) and "Storm-Nailing"  
Nail between lower 2 nail lines as shown above.





NEMO | etc.

6.12.1 **Hip & Ridge for Landmark™, Landmark™ IR, Landmark™ Pro, Landmark™ Pro Solaris, Landmark™ Premium, Landmark™ Solaris, Landmark™ Solaris IR, Landmark™ Solaris Gold/Platinum or NorthGate:**

6.12.1.1 **Option 1: Shadow Ridge™ or NothGate Accessory**

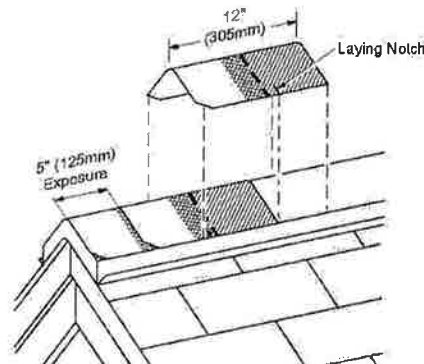
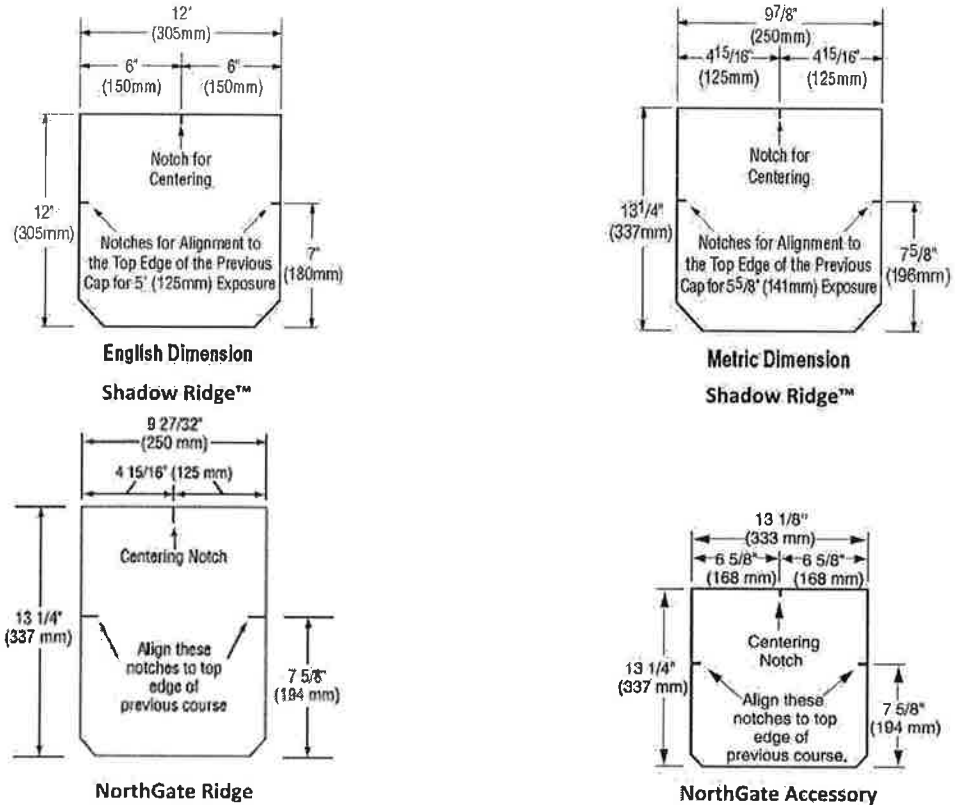


Figure 13-20: Use laying notches to center shingles on hips and ridges, and to locate the correct exposure.

6.12.1.2 Optional for Shadow Ridge™ *produced in Oxford, NC*: For ASTM D3161, Class F performance use BASF "Sonolastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant", in accordance with CertainTeed requirements.

6.12.1.3 **Option 2:** Refer to instructions herein for Cedar Crest™, Cedar Crest™ IR hip and ridge shingles.



6.13 LANDMARK™ TL:

LANDMARK TL

LANDMARK TL

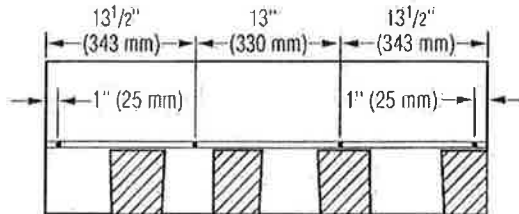


Figure 13-4: Use four nails for every full shingle.

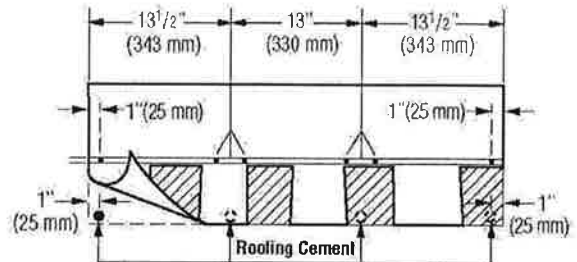


Figure 13-5: Use six nails and four spots of asphalt roofing cement on steep slopes.

6.13.1 Hip & Ridge for Landmark™ TL: Refer to Option 1 or 2 for Landmark™.

6.14 PRESIDENTIAL SHAKE™, PRESIDENTIAL SHAKE™ IR, PRESIDENTIAL SHAKE TL™, PRESIDENTIAL SOLARIS™:

LOW AND STANDARD SLOPE:

For low and standard slopes, use five nails for each full Presidential shingle as shown below.

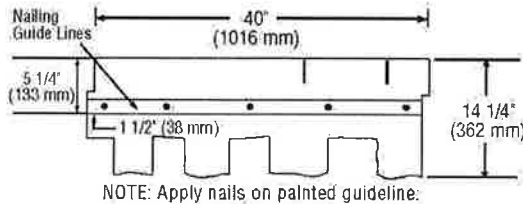


Figure 16-6: Fastening Presidential and Presidential TL Shake shingles on low and standard slopes.

STEEP SLOPE:

For steep slopes, use nine nails for each full Presidential shingle and apply 1" diameter spots of asphalt roofing cement under each shingle tab. After applying 5 nails in between the nailing guide lines, apply 4 nails 1" above tab cutouts making certain tabs of overlying shingle cover nails.

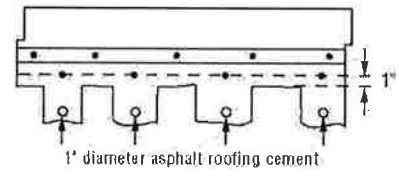


Figure 16-7: Fastening Presidential and Presidential TL Shake shingles on steep slopes.

6.14.1 Hip & Ridge for Presidential Shake™, Presidential Shake™ IR, Presidential Shake TL™, Presidential Solaris™:

6.14.1.1 Option 1: Presidential Accessory

PRESIDENTIAL ACCESSORY

Presidential accessory shingles can be used for covering hips and ridges. Apply shingles up to the ridge (expose no more than 7" from the bottom edge of the "tooth." Fasten each accessory with two fasteners. The fasteners must be 3/4" long or longer, so they penetrate either 3/4" into the deck or completely through the deck. Presidential accessory comes in two different sizes: Accessory produced in Birmingham, AL is 12" x 12"; Portland, OR produces 9 7/8" x 13 1/4" accessory.

6.14.1.2 For ASTM D3161, Class F performance use BASF "Sonolastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant", in accordance with CertainTeed requirements.

6.14.1.3 Option 2: Refer to instructions herein for Cedar Crest™, Cedar Crest™ IR hip and ridge shingles.



6.15 HATTERAS™:

LOW, STANDARD AND STEEP SLOPE:

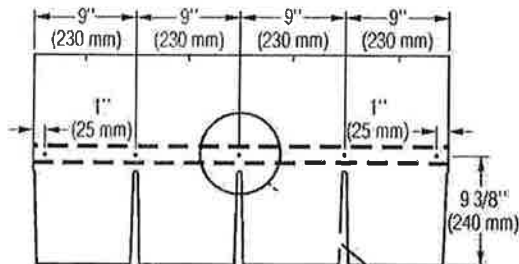


Figure 15-3: Fastening Hatteras Shingles on Low and Standard Slopes

For low and standard slopes, use five nails for each full Hatteras shingle as shown above.

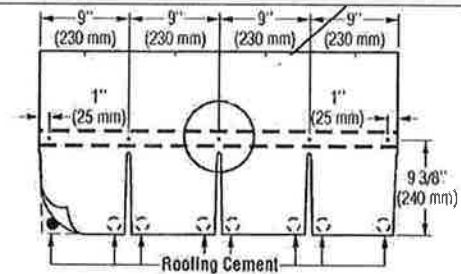


Figure 15-4: Fastening Hatteras Shingles on Steep Slopes

For steep slopes, use five nails and eight spots of asphalt roofing cement for each full Hatteras shingle as shown above. Apply 1" (25mm) diameter spots of roofing cement (ASTM D 4586 Type II suggested) under each tab corner. Press shingle into place; do not expose cement.

CAUTION: Too much roofing cement can cause shingles to blister.

6.15.1 Hip & Ridge for Hatteras™:

6.15.1.1 Option 1: Accessory for Hatteras

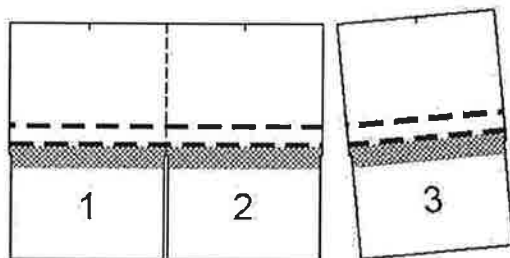
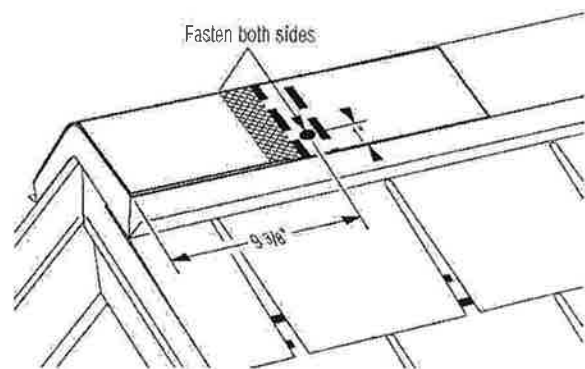


Figure 15-14: 18 three-piece units separate to make 54 Hatteras Accessory shingles.



6.15.1.2 Option 2: Cut Hatteras Shingles

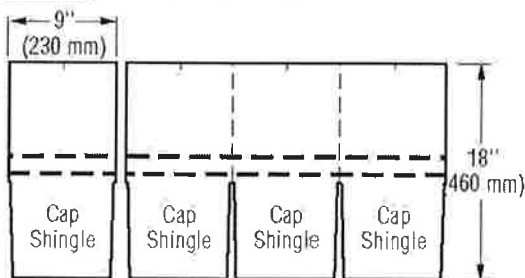


Figure 15-20: Cut Hatteras shingles to make cover cap.

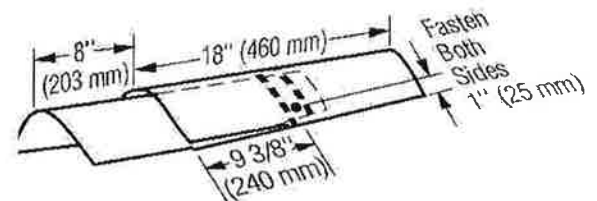


Figure 15-21: Installation of caps along hips and ridges.

6.15.1.3 For ASTM D3161, Class F performance use BASF "Sonolastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant", in accordance with CertainTeed requirements.

**6.16 HIGHLAND SLATE™, HIGHLAND SLATE™ IR:**

**LOW AND STANDARD SLOPE:**

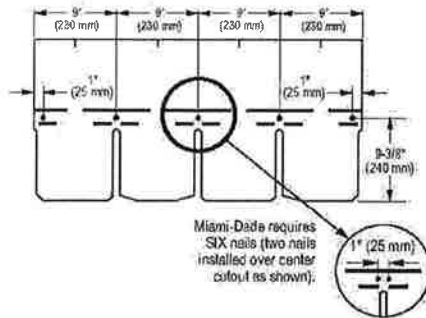


Figure 11-3: Use FIVE nails for every Highland Slate shingle.

**STEEP SLOPE:**

Use FIVE nails and EIGHT spots of asphalt roofing cement\* for each full Highland Slate shingle. For Miami-Dade, SIX nails are required. Apply 1" diameter spots of asphalt roofing cement under each tab corner. Asphalt roofing cement meeting ASTM D4586 Type II is suggested.

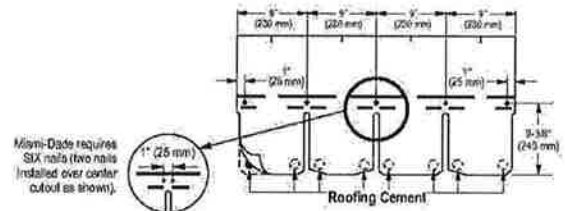


Figure 11-3A: Use FIVE nails and eight spots of asphalt roofing cement under each tab corner.

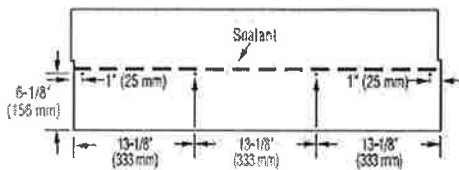
\*CAUTION: Excessive use of roofing cement can cause shingles to blister.

6.16.1 **Hip & Ridge for Highland Slate™, Highland Slate™ IR:** Refer to instructions herein for Cedar Crest™, Cedar Crest™ IR or Shangle Ridge™ hip and ridge shingles.

**6.17 PATRIOT™:**

**LOW AND STANDARD SLOPE**

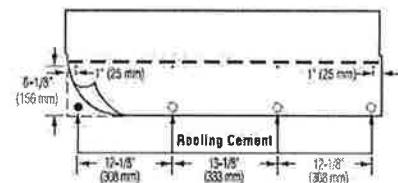
Use FOUR nails for every full shingle located as shown below.



**STEEP SLOPE**

Use FOUR nails and four spots of asphalt roofing cement for every full shingle as shown below. Asphalt roofing cement meeting ASTM D4586 Type II is suggested. Apply 1" (25 mm) spots of asphalt roofing cement as shown.

CAUTION: Excessive use of roofing cement can cause shingles to blister.



6.17.1 **Hip & Ridge for Patriot™:** Refer to instructions herein for Cedar Crest™, Cedar Crest™ IR, Shadow Ridge™, NorthGate or Shangle Ridge™ hip and ridge shingles.



**NEMO | etc.**

**7. LABELING:**

- 7.1 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.
- 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 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 61G20-3 QA** requirements.

**10. QUALITY ASSURANCE ENTITY:**

UL LLC – QUA9625; (414) 248-6409; karen.buchmann@us.ul.com

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Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

**Search Results - Applications**

FL#	Type	Manufacturer	Validated By	Status
<a href="#">FL8097-R5</a> <a href="#">History</a>	Revision	Kirsch Buiding Products <b>Category:</b> Roofing <b>Subcategory:</b> Underlayments	Scott Wolters, PE (561) 225-1982	Approved

\*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

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

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Product Approval Method	Method 2 Option B
Date Submitted	06/20/2018
Date Validated	06/20/2018
Date Pending FBC Approval	06/28/2018
Date Approved	08/15/2018

**Summary of Products**

FL #	Model, Number or Name	Description
8097.1	Sharkskin Roof Underlayments	Multi-layer, laminated, polypropylene roof underlayments
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> +N/A/-52.5 <b>Other:</b>		<b>Installation Instructions</b> <a href="#">FL8097_R5_II_i5402.01-122-34-r0.pdf</a> Verified By: Gary Hartman 73227 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL8097_R5_AE_i5402.01-122-34-r0.pdf</a> Created by Independent Third Party: Yes

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

[Contact Us](#) :: 7601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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# KIRSCH BUILDING PRODUCTS PRODUCT EVALUATION

**SCOPE OF WORK**

SHARKSKIN ROOF UNDERLAYMENTS  
PRODUCT EVALUATION PER CHAPTER 61G20-3.005(2)(B) FLORIDA ADMINISTRATIVE CODE

**REPORT NUMBER**

I5402.01-122-34-R0  
FL8097-R5

**ISSUE DATE**

06/20/18

**PREPARED BY**

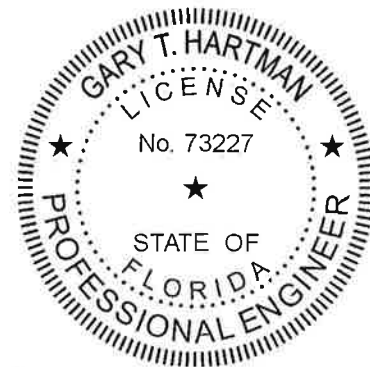
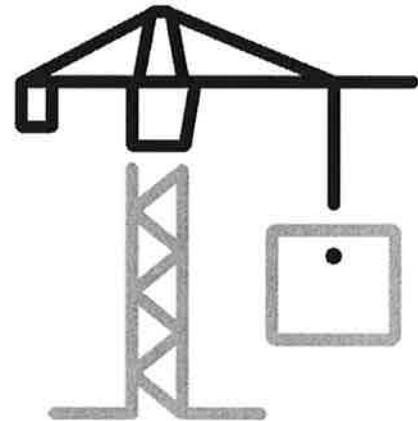
ARCHITECTURAL TESTING, INC. (INTERTEK-ATI)  
FL COA 29274

**REPORT ISSUED TO**

KIRSCH BUILDING PRODUCTS, LLC  
1464 Madera Road  
Suite N-387  
Simi Valley, CA 93065


**PAGES**

7



For INTERTEK B&C:

<b>PREPARED BY:</b>	Daniel C. Culbert, P.E.
<b>TITLE:</b>	Senior Project Engineer
<b>SIGNATURE:</b>	 <small>Digitally Signed by Daniel C. Culbert</small>
<b>DATE:</b>	06/20/18

<b>PREPARED BY:</b>	Gary Hartman, P.E.
<b>TITLE:</b>	Laboratory Support Engineer
<b>SIGNATURE:</b>	 <small>Digitally Signed by Gary Hartman</small>
<b>DATE:</b>	06/20/18

GH:dc

## PRODUCT EVALUATION REPORT FOR KIRSCH BUILDING PRODUCTS

Report No.: I5402.01-122-34-R0

Date: 06/20/18

### SECTION 1

#### SCOPE

Product Evaluation per Chapter 61G20-3.005(2)(b) Florida Administrative Code,  
Evaluation report from a Florida Registered Architect or a licensed Florida Professional Engineer.

**Product Category:** ROOFING

**Sub-Category:** UNDERLAYMENT

**Product:** SHARKSKIN ROOF UNDERLAYMENTS

### SECTION 2

#### BUILDING CODE COMPLIANCE

This product has demonstrated compliance with the intent of the Florida Building Code,  
Building, 6th Edition (2017), Section 1507.1.1, *Underlayment*.

### SECTION 3

#### PERFORMANCE STANDARDS

STANDARD	TITLE
ASTM D226-09	Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing
ASTM D1970-15a	Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
TAS 103-95	Test Procedure for Self-Adhered Underlayments for Use in Discontinuous Roof Systems

### SECTION 4

#### PRODUCT DESCRIPTIONS

##### Mechanically Fastened Underlayments

Sharkskin Comp® is a multi-layer laminated roof underlayment comprised of a high-strength woven polypropylene scrim with a UV & antioxidant protection bond layer and a slip-resistant top layer.

Sharkskin Ultra® is a multi-layer laminated roof underlayment comprised of a high-strength woven polypropylene scrim with a UV & antioxidant protection bond layer to both sides and a slip-resistant top layer.

Sharkskin Ultra Radiant® is a multi-layer laminated roof underlayment comprised of a high-strength woven polypropylene scrim with a reflective barrier on the underside and a UV & antioxidant protection bond layer on both sides and a slip-resistant top layer.

## PRODUCT EVALUATION REPORT FOR KIRSCH BUILDING PRODUCTS

Report No.: I5402.01-122-34-R0

Date: 06/20/18

### Self-Adhering Underlayment:

Sharkskin Ultra SA® is a multi-layer laminated roof underlayment comprised of a high-strength woven polypropylene scrim between two layers of UV & antioxidant protection bond and a self-adhering underside and a slip-resistant top layer.

## SECTION 5 INSTALLATION

### General

1. Installation shall be in accordance with the manufacturer's installation instructions and requirements for reinforced synthetic underlayments in §1507.1.1 for an alternative to underlayment complying with ASTM D226 Type II and §1507.3.3.
2. Sharkskin roofing underlayment is considered a vapor barrier and should generally be installed above ventilated attic spaces.
3. Damaged roof decking must be replaced. The roof deck surface must be dry and free of dust, dirt, debris, grease, solvents, loose nails, and other protrusions.
4. Metal cap nails shall be required where the ultimate design wind speed,  $V_{ult}$ , equals or exceeds 150 mph.

### Sharkskin Comp®

1. For plywood or wood plank, attach to the roof deck with corrosion-resistant steel ring shank fasteners with a minimum shank diameter of 0.083 inches, having 1-inch diameter corrosion resistant metal round cap, tin tag, or plastic round top caps or plastic caps fastened with corrosion resistant staples.
2. For slopes 2.5:12 (11.8°) to 3.5:12 (16.2°): Sharkskin Comp shall be applied in a double coverage method, with 25-inch minimum horizontal laps and minimum 6-inch vertical laps offset by 6 feet. Fasten with two staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches and one row at the end and side laps fastened 6 inches o.c.
3. For slopes 3.5:12 (16.2°) or greater: Sharkskin Comp shall be laid horizontally, parallel to the eave with the printed side up, and have minimum 4-inch horizontal laps and minimum 6-inch vertical laps offset by 6 feet. Fasten with three staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches and one row at the end and side laps fastened 6 inches o.c.
4. See manufacturer instructions at [www.sharkskin.us](http://www.sharkskin.us) for additional requirements.

### Sharkskin Ultra®

1. For plywood or wood plank, attach to the roof deck with corrosion-resistant steel ring shank fasteners with a minimum shank diameter of 0.083 inches, having 1-inch diameter corrosion resistant metal round cap, tin tag, or plastic round top caps or plastic caps fastened with corrosion resistant staples.
2. For steel deck, attach to the roof deck with approved corrosion resistant #10, #12 or #14 screws and metal stress plates. Screws shall engage the top flute of the steel deck.
3. For slopes 2.5:12 (11.8°) to 3.5:12 (16.2°), other than tile: Sharkskin Ultra shall be applied in a double coverage method, with 25-inch minimum horizontal laps and minimum 6-inch

## PRODUCT EVALUATION REPORT FOR KIRSCH BUILDING PRODUCTS

Report No.: I5402.01-122-34-R0

Date: 06/20/18

vertical laps offset by 6 feet. Fasten with two staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches and one row at the end and side laps fastened 6 inches o.c.

4. For slopes 3.5:12 (16.2°) or greater, other than tile: Sharkskin Ultra shall be laid horizontally, parallel to the eave with the printed side up, and have minimum 4-inch horizontal laps and minimum 6-inch vertical laps offset by 6 feet. Fasten with three staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches and one row at the end and side laps fastened 6 inches o.c.
5. See manufacturer instructions at [www.sharkskin.us](http://www.sharkskin.us) for additional requirements.

### Sharkskin Ultra Radiant®

1. For horizontal battens, slopes 3:12 (14°) or greater:
  - a. Attach to the roof deck with corrosion-resistant steel ring shank fasteners with a minimum shank diameter of 0.083 inches, having 1-inch diameter corrosion resistant metal round cap, tin tag, or plastic round top caps or plastic caps fastened with corrosion resistant staples.
  - b. For slopes 3.5:12 (16.2°) or greater: Sharkskin Ultra Radiant shall be laid horizontally, parallel to the eave with the printed side down, and have minimum 4-inch horizontal laps and minimum 6-inch vertical laps offset by 6 feet. Fasten with three staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches and one row at the end and side laps fastened 6 inches o.c.
2. For counter battens, slopes 3:12 (14°) or greater:
  - a. Attach to vertical battens with corrosion-resistant steel ring shank fasteners with a minimum shank diameter of 0.083 inches, having 1-inch diameter corrosion resistant metal round cap, tin tag, or plastic round top caps or plastic caps fastened with corrosion resistant staples.
  - b. Sharkskin Ultra Radiant shall laid horizontally, parallel to the eave with the printed-side-up across vertical wood, metal or plastic battens installed over a solid deck spaced maximum 24" o.c. with minimum 4-inch horizontal laps and minimum 6-inch vertical laps. Horizontal laps shall be sealed with Eternabond Tape, butyl-based tape or other material specifically approved by Kirsch Building Products. Vertical laps shall be minimum 6-inch wide and shall break over a vertical batten to allow water to run away from the vertical batten. Sharkskin Ultra Radiant shall be attached to the vertical battens sufficiently to hold in place until the horizontal battens are installed over-top in accordance with the tile, metal or slate manufacturer's requirements. The positioning of the fasteners holding the Sharkskin Ultra Radiant to the vertical battens prior to placement of horizontal battens shall not interfere with true, flush installation of horizontal battens.
3. See manufacturer instructions at [www.sharkskin.us](http://www.sharkskin.us) for additional requirements.

## PRODUCT EVALUATION REPORT FOR KIRSCH BUILDING PRODUCTS

Report No.: I5402.01-122-34-R0

Date: 06/20/18

### Sharkskin Ultra SA®

1. Adhere directly to the plywood deck or to a mechanically attached Sharkskin Ultra anchor sheet for 2-ply system installation.
2. Position Sharkskin Ultra SA horizontally, parallel to the eave of the roof with the printed side up with minimum 2-inch horizontal laps and minimum 6-inch vertical laps.
3. Pull away the split-release liner film backing and applying the underlayment to the substrate.
4. Broom the entire surface of the underlayment, and use a heavy roller on all seams/laps to establish a secure bond.
5. For nail-on tile: install per manufacturer's recommendations and FBC §1507.3.3.
6. For foam-on tile:
  - a. Back-nail the top horizontal edge of each run prior to placement of the subsequent run. Back-nail to the roof deck with corrosion-resistant steel ring shank fasteners with a minimum shank diameter of 0.083 inches, having 1-inch diameter corrosion resistant metal round cap or approved tin tag. Back nail at 12 inches o.c. on side laps and 6 inches o.c. on end laps. No nails or tin caps shall be exposed
  - b. For 2-ply system: the maximum fastener spacing in the field of the Sharkskin Ultra sheet shall be 10 inches o.c.
7. See manufacturer instructions at [www.sharkskin.us](http://www.sharkskin.us) for additional requirements.

## SECTION 6

### LIMITATIONS OF USE

1. Fire Classification is not addressed by this Evaluation Report.
2. Use in the High Velocity Hurricane Zone is not addressed by this Evaluation Report.
3. Sharkskin Roof Underlayments shall not be exposed to sunlight for longer than:
  - a. Sharkskin Comp®: 180-days after installation.
  - b. Sharkskin Ultra®, Sharkskin Ultra Radiant® and Sharkskin Ultra SA®: 360 days after installation

## PRODUCT EVALUATION REPORT FOR KIRSCH BUILDING PRODUCTS

Report No.: I5402.01-122-34-R0

Date: 06/20/18

4. Sharkskin Roof Underlayments may be used with roof coverings as follows:

Product	Asphalt Shingles	Nail-on Tile	Foam-on Tile	Metal	Wood Shakes & Shingles	Slate
Comp®	Y	N	N	Y	Y	N
Ultra®	Y	Y <sup>1</sup>	Y <sup>1</sup>	Y	Y	Y
Ultra Radiant®	Y <sup>2</sup>	N	N	Y <sup>3</sup>	Y <sup>3</sup>	Y <sup>3</sup>
Ultra SA®	Y	Y	Y <sup>4</sup>	Y	Y	Y

1. As the anchor sheet in a 2-ply system
2. Contact Kirsch Building Products for installation information.
3. With battens only
4. Foam-On Tile is limited to use with ICP Adhesives & Sealants, Inc. 2-Component Foam Roof Tile Adhesive AH-160 (FL6332), Dow TILE BOND™ Roof Tile Adhesive (FL717) or DAP Foam, Inc. Touch 'n Seal Stormbond Roof Tile Adhesive (FL14506). The maximum negative design pressure for such installations is -52.5 psf when adhered directly to the plywood deck, and the lesser of -52.5 psf and the allowable uplift resistance of the mechanically attached anchor sheet per §1507.3.3 for 2-ply installation. These pressures include a safety factor of 2.

### SECTION 7

#### SUPPORTING EVIDENCE

##### Test Reports

G7683.01-109-18 (TAS 103-95)

Issued: 05/05/17

Architectural Testing, Inc. York, PA (TST1558)

Joseph A. Reed, PE (FL PE 58920)

JX06F8A (ASTM D1970-17a)

Issued: 06/07/2018

Momentum Technologies International (TST2508)

John Nevin, PE (FL PE 54666)

JX17A7A (TAS 103-95)

Issued: 12/28/17

Momentum Technologies International (TST2508) DBA RCMA

John Nevin, PE (FL PE 54666)

JX17A7C (ASTM D226-17)

Issued: 12/28/17

Momentum Technologies International (TST2508) DBA RCMA

John Nevin, PE (FL PE 54666)

JX17A7D (ASTM D226-09)

Issued: 05/11/17

Momentum Technologies International (TST2508) DBA RCMA

John Nevin, PE (FL PE 54666)



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York, Pennsylvania 17406

Telephone: 717-764-7700  
Facsimile: 717-764-4129  
www.intertek.com/building

## PRODUCT EVALUATION REPORT FOR KIRSCH BUILDING PRODUCTS

Report No.: I5402.01-122-34-R0

Date: 06/20/18

### SECTION 8

#### CERTIFICATION OF INDEPENDENCE

In accordance with Rule 61G20-3.009 Florida Administrative Code, Intertek-ATI hereby certifies the following:

- Intertek-ATI does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products for which this report is being issued.
- Intertek-ATI is not owned, operated or controlled by any company manufacturing or distributing products for which this report is being issued.
- Gary Hartman, P.E. does not have nor will he acquire, a financial interest in any company manufacturing or distributing products for which evaluations are issued.
- Gary Hartman, P.E does not have, nor will he acquire, a financial interest in any other entity involved in the approval process of the product.

### SECTION 9

#### REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	06/20/18	N/A	Original Report Issue





**RICK SINGH, CFA - ORANGE COUNTY PROPERTY APPRAISER**

[Searches](#) | 
 [Sales Search](#) | 
 [Results](#) | 
 [Property Record Card](#) | 
 [My Favorites](#) | 
 [Sign up for e-Notify...](#)

**5870 Cove Dr** < 20-23-30-0000-00-020 >

Name(s) **Cary Jay C**  
 Physical Street Address **5870 Cove Dr**  
 Mailing Address On File **5870 Cove Dr**  
 Postal City and Zipcode **Orlando, FL 32812**  
**5870 Cove Dr**  
**Belle Isle, FL 32812-2819**  
 Property Use **0130 - Sfr - Lake Front**  
 Incorrect Mailing Address? **0130 - Sfr - Lake Front**  
 Municipality **Belle Isle**



**View 2019 Property Record Card**

[Property Features](#) | 
 [Values, Exemptions and Taxes](#) | 
 [Sales Analysis](#) | 
 [Location Info](#) | 
 [Market Stats](#) | 
 [Update Information](#)

**2020 values will be available in August of 2020.**

**Property Description**

BEG SW COR CF LOT 12 CONWAY GARDEN R/18 RUN SWLY ALONG CURVE 74.13 FT N 27 DEG W 144.76 FT N 59 DEG W 214.73 FT NELY & ELY ALONG 86.4 CONTOUR LINE TO A NLY EXTENSION OF W LINE OF LOT 12 S 220 FT M/L TO POB IN SEC 20-23-30

**Total Land Area** 58,915 sqft (+/-) | 1.35 acres (+/-) GIS Calculated Notice

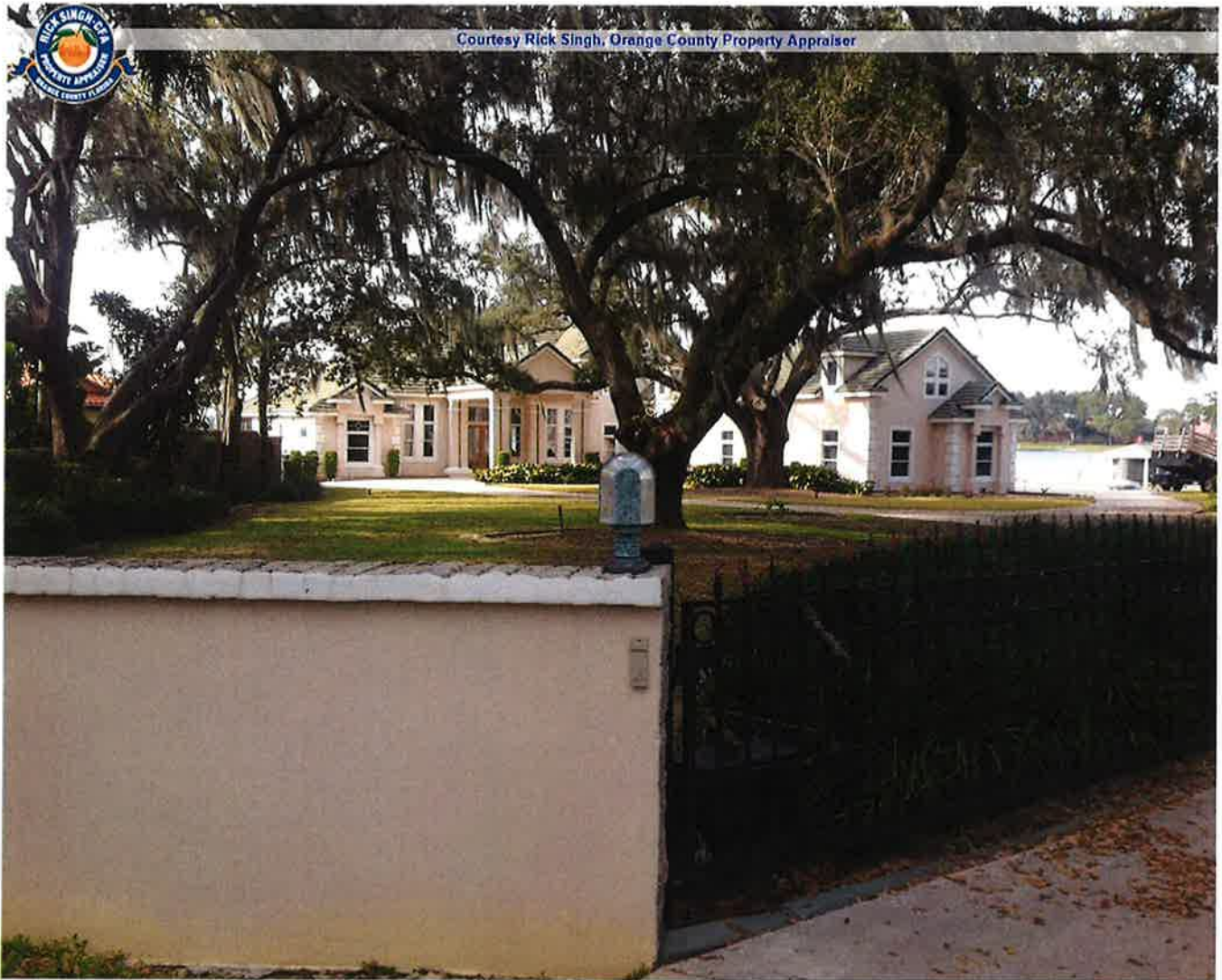
**Land**

Land Use Code	Zoning	Land Units	Unit Price	Land Value	Class Unit Price	Class Value
0130 - Sfr - Lake Front	R-1-AA	1 LOT(S)	working...	working...	working...	working...

Page 1 of 1 (1 total records)

**Buildings**

Important Information	Structure
<b>Model Code:</b> 01 - Single Fam Residence	<b>Actual Year Built:</b> 1996 <b>Gross Area:</b> 9046 sqft



5870 COVE DR, ORLANDO, FL 32812 3/2/2016 3:58 PM



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



**STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
CONSTRUCTION INDUSTRY LICENSING BOARD**

**THE ROOFING CONTRACTOR HEREIN IS CERTIFIED UNDER THE  
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES**

**FORD, ZURNY DESHAWN**

(THE) FORD DESIGN GROUP LLC  
2701 1541 REFLECTIONS STREET  
E-30  
CLERMONT FL 34711

**LICENSE NUMBER: CCC1331112**

**EXPIRATION DATE: AUGUST 31, 2020**

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RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**CONSTRUCTION INDUSTRY LICENSING BOARD**

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE  
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

**FORD, ZURNY DESHAWN**

(THE) FORD DESIGN GROUP LLC  
2701 1541 REFLECTIONS STREET  
E-30  
CLERMONT FL 34711

**LICENSE NUMBER: CGC1516405**

**EXPIRATION DATE: AUGUST 31, 2020**

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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/7/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Construction Pros Insurance LLC PO Box 186 San Antonio FL 33576		<b>CONTACT NAME:</b> Edward S Collins <b>PHONE (A/C, No, Ext):</b> 800-685-0027 <b>E-MAIL ADDRESS:</b> office@constructionprosins.com <b>FAX (A/C, No):</b> 813-659-5480	
<b>INSURED</b> The Ford Design Group, L.L.C. 111 N. Orange Ave Suite 860 Orlando FL 32801		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Rockingham Insurance Company <b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	
<b>FOR DDES-01</b>		<b>NAIC #</b> 10214	

**COVERAGES**

CERTIFICATE NUMBER: 490813667

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:	Y	Y	RFLG202173-03	3/15/2020	3/15/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000 \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input type="checkbox"/> <b>UMBRELLA LIAB</b> <input type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 Zurny DeShawn Ford - Florida Certified General Contractor per License CGC1516405 & CCC1331112.

Please review named insured's policies referenced in this document for complete list of all applicable coverages, limits, endorsements, exclusions, deductibles, and their respective terms and conditions.

**CERTIFICATE HOLDER****CANCELLATION**

City Of Belle Isle  
 1600 Nela Ave.  
 Belle Isle, FL fl 32809

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



JIMMY PATRONIS  
CHIEF FINANCIAL OFFICER

STATE OF FLORIDA  
DEPARTMENT OF FINANCIAL SERVICES  
DIVISION OF WORKERS' COMPENSATION

**\*\* CERTIFICATE OF ELECTION TO BE EXEMPT FROM FLORIDA WORKERS' COMPENSATION LAW \*\***  
**CONSTRUCTION INDUSTRY EXEMPTION**

This certifies that the individual listed below has elected to be exempt from Florida Workers' Compensation law.

**EFFECTIVE DATE:** 2/27/2019

**EXPIRATION DATE:** 2/26/2021

**PERSON:** ZURNY D FORD

**EMAIL:** FORDRECOVERY@GMAIL.COM

**FEIN:** 010859010

**BUSINESS NAME AND ADDRESS:**

THE FORD DESIGN GROUP, LLC

1541 REFLECTIONS STREET

CLERMONT, FL 34711

**SCOPE OF BUSINESS OR TRADE:**

Licensed General Contractor Licensed Roofing Contractor

---

**IMPORTANT:** Pursuant to Chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter. Pursuant to Chapter 440.05(12), F.S., Certificates of election to be exempt... apply only within the scope of the business or trade listed on the notice of election to be exempt. Pursuant to Chapter 440.05(13), F.S., Notices of election to be exempt and certificates of election to be exempt shall be subject to revocation if, at any time after the filing of the notice or the issuance of the certificate, the person named on the notice or certificate no longer meets the requirements of this section for issuance of a certificate. The department shall revoke a certificate at any time for failure of the person named on the certificate to meet the requirements of this section.

DFS-F2-DWC-252 CERTIFICATE OF ELECTION TO BE EXEMPT REVISED 08-13

QUESTIONS? (850)413-1609

**LAKE COUNTY BUSINESS TAX RECEIPT**

EXPIRES SEPTEMBER 30, 2020

BUSINESS THE FORD DESIGN GROUP LLC

423 ROCK SPRINGS CIR

THE FORD DESIGN GROUP LLC

423 ROCK SPRINGS CIR  
GROVELAND, FL 34736



ACCT NO. 147658

EMPLOYEES 1

TYPE OF BUSINESS  
CONTRACTING

Receipt # 2019-00100336

Paid 09/30/2019 30.00