



# 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)

## PERMIT CARD – PLEASE POST AT JOB SITE

THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3.3: An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies." The issuance of this permit does not grant permission to violate any applicable City, Orange County, State of Florida and/or Federal codes and/or ordinances. Separate permits are required for Signs, Roofing, Electrical, Gas, Plumbing and Mechanical services. This permit becomes VOID if the work authorized is not commenced within 6 months, or is suspended or abandoned for a period of 6 months after commencement. **WORK SHALL BE CONSIDERED SUSPENDED IF AN APPROVED INSPECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD.** PERMISSION IS GRANTED TO DO THE FOLLOWING WORK ACCORDING TO THE CONDITIONS HEREON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA.

<b>Scope of Work:</b> ROOF: Re-roof 3400 sq ft asphalt shingles  <b>Comments:</b> None  <b>Project Information</b> Address: 4124 Kandra Ct, Belle Isle, FL 32809 Parcel ID: 20-23-30-1646-00-530 Property Owner: Miller, Thomas Phone Number: None ***** Company Name: Advantage Roofing, Inc. Contractor Name: Ringler, Thomas Harvey License Number: CCC052477 Address: 6903 Partridge Lane Orlando, FL 32807 Phone Number: 407-678-9721	<b>Permit Number: 2015-04-030</b> <b>Date of Application: 04/15/2015</b> <b>Date Permit Issued: 04/15/2015</b>  <b>WARNING TO OWNER:</b> "YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU 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." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.
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### BUILDING FEATURES

<b>IMPACT FEES</b> School \$ Traffic \$  <b>ZONING FEES</b> Zoning Fee \$30.00  <b>UNIVERSAL ENG - BUILDING FEES</b> Cert of Occ \$ Demo \$ Building \$ Fence \$ Driveway \$ Shed \$ Window(s) \$ Door(s) \$ PrePower \$ Electrical \$ Temp Pole \$ Plumbing \$ Mechanical \$ Gas \$ Roofing \$75.00 Boat Dock \$ Screen Encl \$ Swimming Pool \$ Sign \$  <b>SURCHARGE FEES</b> Surcharge Fee \$2.00 Surcharge Fee \$2.00  <b>TOTAL FEES \$109.00</b>  Date Paid <u>4-15-15</u> CC or Check # <u>VISA 8200</u> Amount Paid <u>109.00</u>  The person accepting this permit shall conform to the terms of the application on file and construction shall conform to the requirements of the Florida Building Code (FS 553).	<b>BUILDING INSPECTOR USE ONLY</b>  IF APPLICABLE: Have Zoning Approval Conditions Been Met? YES NO    Have Stormwater Approval Conditions Been Met? YES NO    Silt fencing in place? YES NO    Turbidity Barrier in place? YES NO  <b>BUILDING</b> 1 <sup>st</sup> _____ (Footing/Foundation) Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? ____ 2 <sup>nd</sup> _____ (Slab) 3 <sup>rd</sup> _____ (Lintel)(Wall Reinforcing on Masonry Building) 4 <sup>th</sup> _____ (Exterior Framing)(Roof/Wall Sheathing) 5 <sup>th</sup> _____ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed) 6 <sup>th</sup> _____ (Insulation to be Made After Roof Installed) 7 <sup>th</sup> _____ (Drywall) 8 <sup>th</sup> _____ (Sidewalk/Driveway) 9 <sup>th</sup> _____ (Other) 10 <sup>th</sup> _____ (Final – After MEP and Other Applicable Finals)  <b>ROOFING</b> 1 <sup>ST</sup> ROOFING Deck Nailing/Dry-in/Flashing _____ 2 <sup>nd</sup> ROOFING Covering In-Progress _____ 3 <sup>rd</sup> ROOFING Covering Final _____  <b>PLUMBING</b> (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...) 1 <sup>ST</sup> _____ (Underground)    2 <sup>nd</sup> _____ (Sewer) 3 <sup>rd</sup> _____ (Rough-In/Tub Set)    4 <sup>th</sup> _____ (Final)  <b>CHECK APPROPRIATE BOX</b> <input type="checkbox"/> GAS <input type="checkbox"/> Natural <input type="checkbox"/> LP <input type="checkbox"/> MECHANICAL <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> LOW VOLTAGE 1 <sup>st</sup> _____ (Rough-In)    2 <sup>nd</sup> _____ (Final)
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Inspection requests are to be emailed to [BDscheduling@UniversalEngineering.com](mailto:BDscheduling@UniversalEngineering.com); a confirmation email will be sent back to you upon scheduling. **Next-Day Inspection requests must be made by 1pm.** 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.

For a copy of your permit, or to check inspection results, please visit <https://universalengineering.sharefile.com/f/fo94edc4-832d-44bd-9809-ecf32f9e2e63>

login ID = [cobi@universalengineering.com](mailto:cobi@universalengineering.com)

password = universal13



# City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32814  
Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://www.universalengineering.com)

RECEIVED  
4-14-15

## 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: 4-14-15

ROOF PERMIT NUMBER 2015-04-030

PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:

Project Address 4124 Kandra Ct, Belle Isle, FL  32809  32812

Property Owner Thomas Miller Phone \_\_\_\_\_

Property Owner's Mailing Address same City \_\_\_\_\_

State \_\_\_\_\_ Zip Code \_\_\_\_\_ Parcel Id Number: 20 23-30-1646-00-530

REQUIRED! To obtain this information, please visit <http://www.ocpaf1.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](http://www.floridabuilding.org) showing the Code Version
- REQUIRED! Florida Product Approval Installation Instructions from [www.floridabuilding.org](http://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: 34 Number of Stories: 1 Job Valuation: \$ 10,200

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 Thomas Ringler LICENSE # CEC052477  
 LICENSE HOLDER NAME Thomas Ringler COMPANY NAME Advantage Roofing Inc  
 Street Address 6903 Partridge Lane  
 City Orlando State FL Zip Code 32807 Phone Number 407.678.9721  
 Email Address advantageroofinginc@yahoo.com

Zoning Fee \$ 30.00  
 Permit Fee \$ 75.00  
 Review Fee \$ n/a  
 3% Florida Surcharge \$ 4.00  
 Total Permit Fee \$ 109.00

Building Official: sq Date 4-15-15  
 Verified Contractor's Licenses & Insurance are on file [Signature] Date 4-15-15

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. Building Permit Number \_\_\_\_\_

Permit Number: \_\_\_\_\_  
 Folio/Parcel ID #: 20-23-30-1646-00-530  
 Prepared by: Rose Smith  
 Return to: Contractor

DOCH 20150182281 B: 10903 P: 2938  
 04/14/2015 10:21:25 AM Page 1 of 1  
 Rec Fee: \$10.00  
 Martha O. Haynie, Comptroller  
 Orange County, FL  
 MB - Ret To: ADVANTAGE ROOFING INC



**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.

1. **Description of property** (legal description of the property, and street address if available)  
Conway East 4/122 Lot 53
2. **General description of improvement**  
Reroof
3. **Owner information or Lessee information if the Lessee contracted for the improvement**  
 Name Thomas Miller  
 Address 4124 Kandra Ct. Belle Isle, FL 32812  
 Interest in Property \_\_\_\_\_  
**Name and address of fee simple titleholder** (if different from Owner listed above)  
 Name \_\_\_\_\_  
 Address Advantage Roofing Inc.
4. **Contractor** 6903 Partridge Lane  
 Name Orlando, FL 32807 Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_ Telephone Number 407-678-9721
5. **Surety** (if applicable, a copy of the payment bond is attached)  
 Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_ Amount of Bond \$ \_\_\_\_\_
6. **Lender**  
 Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_
7. **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 \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_
8. **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 \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_
9. **Expiration date of notice of commencement** (the expiration date may not be before the completion of construction and final payment to the contractor, but will be 1 year from the date of recording unless a different date is specified) \_\_\_\_\_



State of FLORIDA, County of ORANGE  
 Martha O. Haynie, Comptroller  
 I hereby certify that this is a true copy of the instrument as filed in the Clerk's Office.  
 MARTHA O. HAYNIE, COMPTROLLER  
 Date: 4/14/15

**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 \_\_\_\_\_  
 Signatory's Title/Office \_\_\_\_\_

The foregoing instrument was acknowledged before me this 10 day of 4/15 by Thomas Miller  
 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 \_\_\_\_\_  
 Print, type, or stamp commissioned name of Notary Public \_\_\_\_\_

Personally Known \_\_\_\_\_ OR Produced ID   
 Type of ID Produced P.L.





Business Professional



**Product Approval**  
USER: Public User

License efficiently. Regulate fairly.

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

FL #	FL5444-R7								
Application Type	Revision								
Code Version	2010								
Application Status	Approved								
Comments	Archived								
Product Manufacturer	CertainTeed Corporation-Roofing								
Address/Phone/Email	18 Moores Road Malvern, PA 19355 (610) 651-5847 mark.d.harner@saint-gobain.com								
Authorized Signature	Mark Harner mark.d.harner@saint-gobain.com								
Technical Representative	Steven Lawrey								
Address/Phone/Email	1400 Union Meeting Road Blue Bell, PA 19422 (215) 274-2425 Steven.T.Lawrey@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 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	07/03/2017								
Validated By	John W. Knezevich, PE Validation Checklist - Hardcopy Received								
Certificate of Independence	<a href="#">FL5444_R7_COI_2014_04_COI_Nieminen.pdf</a>								
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 D3161, Class F</td> <td>2006</td> </tr> <tr> <td>ASTM D3462</td> <td>2007</td> </tr> <tr> <td>ASTM D7158, Class H</td> <td>2007</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	ASTM D3161, Class F	2006	ASTM D3462	2007	ASTM D7158, Class H	2007
<u>Standard</u>	<u>Year</u>								
ASTM D3161, Class F	2006								
ASTM D3462	2007								
ASTM D7158, Class H	2007								
Equivalence of Product Standards Certified By									
Sections from the Code									

Product Approval Method Method 1 Option D

Date Submitted 04/29/2014  
 Date Validated 05/05/2014  
 Date Pending FBC Approval 05/07/2014  
 Date Approved 06/23/2014  
 Date Revised 03/16/2015

**Summary of Products**

FL #	Model, Number or Name	Description
5444.1	CertainTeed Asphalt Roofing Shingles	3-tab, 4-tab, strip (no-cut-outs), laminated and architectural asphalt roof shingles
<b>Limits of Use</b> 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 for Limits of Use		<b>Installation Instructions</b> <a href="#">FL5444 R7 II 2014 05 FINAL ER CERTAINTEED Asphalt Shingle FL5444-R7.pdf</a> Verified By: Robert Nieminen, PE PE-59166 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL5444 R7 AE 2014 05 FINAL ER CERTAINTEED Asphalt Shingle FL5444-R7.pdf</a> Created by Independent Third Party: Yes



Contact Us :: 1940 North Monroe Street, Tallahassee FL 32399 Phone: 850-487-1824

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**Product Approval Accepts:**



# TRINITY ERD

EXTERIOR RESEARCH & DESIGN, LLC.  
Certificate of Authorization #9503  
353 CHRISTIAN STREET, UNIT #13  
OXFORD, CT 06478  
PHONE: (203) 262-9245  
FAX: (203) 262-9243

## EVALUATION REPORT

**CertainTeed Corporation**  
1400 Union Meeting Road  
Blue Bell, PA 19422

**Evaluation Report 3532.09.05-R8**  
**FL5444-R7**  
**Date of Issuance: 09/22/2005**  
**Revision 8: 05/05/2014**

### 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 designed to comply with the 2010 Florida Building Code.

### DESCRIPTION: CertainTeed Asphalt Roofing Shingles.

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

**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 11.

### 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 05/05/2014. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client.

### CERTIFICATION OF INDEPENDENCE:

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

**ROOFING SYSTEMS EVALUATION:**

**1. SCOPE:**

**Product Category:** Roofing  
**Sub-Category:** Asphalt Shingles

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

**2. STANDARDS:**

<u>Section</u>	<u>Property</u>	<u>Standard</u>	<u>Year</u>
1507.2.5, R905.2.4	Physical Properties	ASTM D3462	2007
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D3161, Class F	2006
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D7158, Class H	2007

**3. REFERENCES:**

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
UL (TST 1740)	ASTM D3161	94NK9632	05/15/1998
UL (TST 1740)	ASTM D3161	99NK26506	11/23/1999
UL (TST 1740)	ASTM D3161	03CA12702	05/27/2003
UL (TST 1740)	ASTM D3161	03CA12702	06/16/2003
UL (TST 1740)	ASTM D3161	03NK29847	10/03/2003
UL (TST 1740)	ASTM D3161	04CA11329	05/24/2004
UL (TST 1740)	ASTM D3161	04CA32986	12/03/2004
UL (TST 1740)	ASTM D3161	05NK07049	04/15/2005
UL (TST 1740)	ASTM D3161	05NK16778	05/12/2005
UL (TST 1740)	ASTM D3161	05CA16778	05/12/2005
UL (TST 1740)	ASTM D3161	05NK14836	05/22/2005
UL (TST 1740)	ASTM D3161	05NK22800	06/22/2005
UL (TST 1740)	ASTM D3462	R684	09/21/2005
UL (TST 1740)	ASTM D7158	05NK08037	06/28/2006
UL (TST 1740)	ASTM D3161 & D3462	09CA28873	07/23/2009
UL (TST 1740)	ASTM D3462	10CA41303	10/07/2010
UL (TST 1740)	ASTM D3161	10CA41303	10/08/2010
UL (TST 1740)	ASTM D7158	10CA41303	10/27/2010
UL (TST 1740)	ASTM D3161 & D3462	10CA44960	11/11/2010
UL LLC (TST 9628)	ASTM D3161, D3462 & D7158	13CA32897	11/21/2013
UL LLC (TST 9628)	ASTM D3161, D3462	TFWZ.R684	04/22/2014
UL LLC (TST 9628)	ASTM D7158	TGAH.R684	04/22/2014
UL LLC (QUA 9625)	Quality Control	Service Confirmation	Exp. 02/13/2016

**4. PRODUCT DESCRIPTION:**

- 4.1 CT20™, XT™ 25, XT™ 30 and XT™ 30 IR are fiberglass reinforced, 3-tab asphalt roof shingles.
- 4.2 Carriage House Shingle®, Centennial Slate™, Grand Manor Shingle®, Landmark™, Landmark™ IR, Landmark™ Pro, Landmark™ Premium, Landmark™ TL, Landmark™ Solaris and Landmark™ Solaris IR are fiberglass reinforced, laminated asphalt roof shingles.
- 4.3 Presidential Shake™, Presidential Shake™ IR and Presidential Shake TL™ are fiberglass reinforced, architectural asphalt roof shingles.
- 4.4 Hatteras™, Highland Slate™ and Highland Slate™ IR are fiberglass reinforced, 4-tab asphalt roof shingles.
- 4.5 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.
- 4.6 Presidential Accessory, Accessory for Hatteras, Shangle Ridge™, Shadow Ridge™, Cedar Crest™ and Cedar Crest™ IR are fiberglass reinforced accessory shingles for hip and ridge installation.
- 4.7 Any of the above listed shingles may be produced in AR (algae resistant) versions.

**5. LIMITATIONS:**

- 5.1 This Evaluation Report is not for use in the HVHZ
- 5.2 Fire Classification is not part of this Evaluation Report; refer to current Approved Roofing Materials Directory for fire ratings of this product.
- 5.3 Wind Classification:
  - 5.3.1 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 us 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.
  - 5.3.2 Presidential Accessory, Accessory for Hatteras, Shangle Ridge, Shadow Ridge and Cedar Crest hip & ridge shingles have been evaluated in accordance with ASTM D3161, Class F when BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant, applied as specified in manufacturer's application instructions, indicating the shingles are acceptable for us in all wind zones up to  $V_{asd} = 150$  mph ( $V_{ult} = 194$  mph).
  - 5.3.3 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.
    - 5.3.3.1 Analysis in accordance with ASTM D7158 indicates the measured uplift resistance ( $R_T$ ) for the CertainTeed asphalt roofing shingles listed in Section 4.1 through 4.5 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.
- 5.4 All products in the roof assembly shall have quality assurance audits in accordance with the Florida Building Code and F.A.C. Rule 61G20-3.

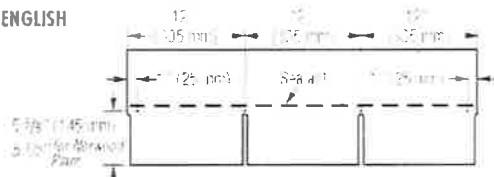


**6. INSTALLATION:**

- 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 manufacturer's 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 1510 and CertainTeed published installation instructions.
- 6.3.1 **CT20™, XT™ 25, XT™ 30, XT™ 30 IR:**

**LOW AND STANDARD SLOPE**

ENGLISH



METRIC

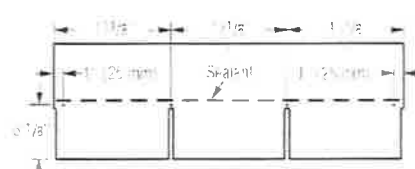


Figure 11-3 Use four nails for every full shingle

**STEEP SLOPE**

Use **four** nails and six spots of asphalt roofing cement\* for every full shingle (Figure 11-4). Asphalt roofing cement meeting ASTM D 1586 Type II is suggested.

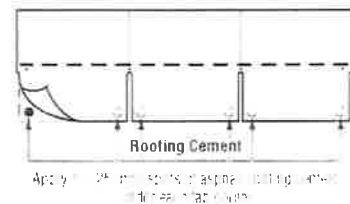


Figure 11-4 Use four nails and six spots of asphalt cement on steep slopes

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

**6.3.1.1 Hip & Ridge: Cut Shingles**

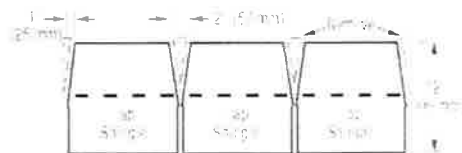


Figure 11-24 Cut tabs, then trim back to make cap shingles (English dimensions shown)

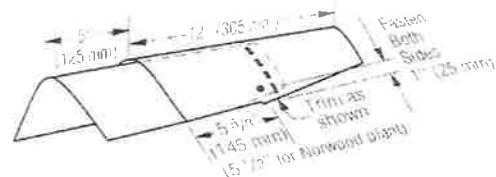


Figure 11-25 Installation of caps along the hips and ridges.

Note: For ASTM D3161 - Class F, use BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant, in accordance with manufacturer's instructions.

6.3.2 **Carriage House Shingle®, Centennial Slate™ and Grand Manor Shingle®:**

**LOW AND STANDARD SLOPE**

Use five nails for every full Shingle

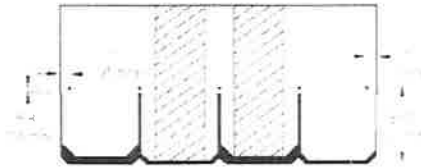


Figure 17-4 Use five nails for every full Grand Manor Shingle, Carriage House Shingle or Centennial Slate

**STEEP SLOPE**

Use seven nails and three spots of asphalt roofing cement for every full Grand Manor Shingle. Use five nails and three spots of asphalt roofing cement for every full Carriage House Shingle and Centennial Slate. Apply asphalt roofing cement 1" (25 mm) from edge of shingle (Figure 17-5). Asphalt roofing cement meeting ASTM D1586 Type II is suggested.

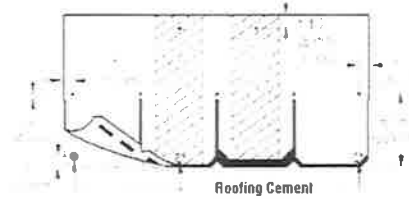


Figure 17-5 When installing Grand Manor Shingles on steep slopes use seven nails and three spots of asphalt roofing cement

6.3.2.1 Hip & Ridge: Shingle® Ridge



Figure 17-18: Shingle® Ridge

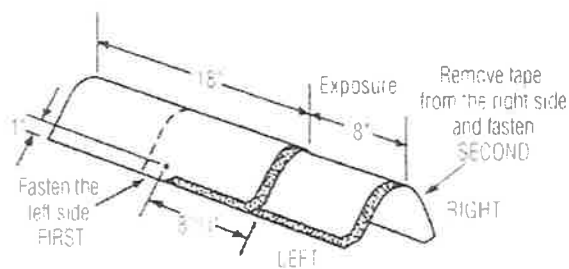


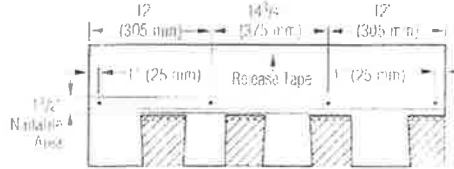
Figure 17-19 Installation of Shingle® Ridge shingles on hips and ridges.

Note: For ASTM D3161 - Class F, use BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant in accordance with manufacturer's instructions.

6.3.3 **Landmark™, Landmark™ IR, Landmark™ Pro (formerly Landmark™ Plus), Landmark™ Premium, Landmark™ TL, Landmark™ Solaris, Landmark™ Solaris IR:**

LOW AND STANDARD SLOPE

METRIC DIMENSIONS



LANDMARK TL

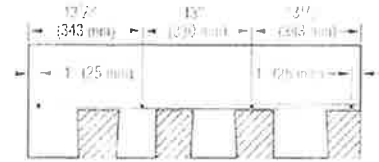
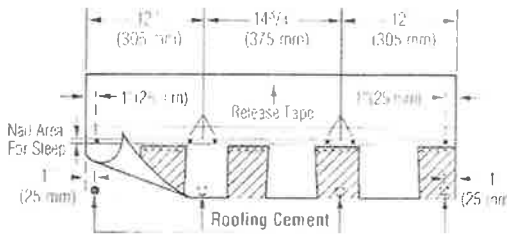


Figure 13-4 Use four nails for every full shingle

STEEP SLOPE

Use six nails and four spots of asphalt roofing cement for every full laminated shingle. See below. Asphalt roofing cement should meet ASTM D-4586 Type II. Apply 1" spots of asphalt roofing cement under each corner and at about 12" to 15" from each edge.

METRIC DIMENSIONS



LANDMARK TL

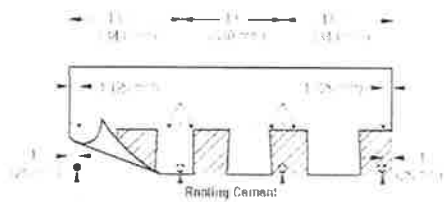
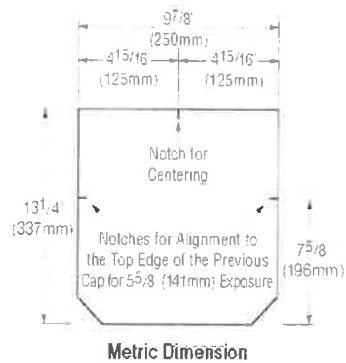
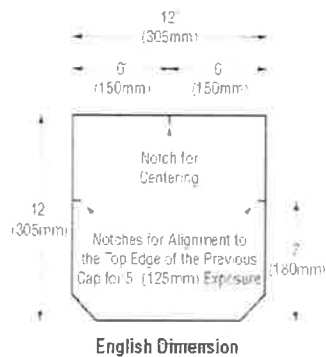


Figure 13-5 Use six nails and four spots of asphalt roofing cement on steep slopes

6.3.3.1 Hip & Ridge, Option 1: Shadow Ridge™



Figure 13-16: Shadow Ridge accessory shingles detach easily from three-piece units to make 72 individual cap pieces



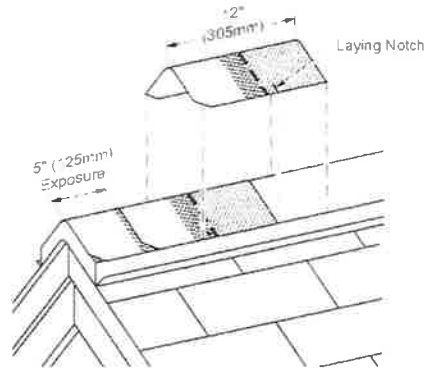
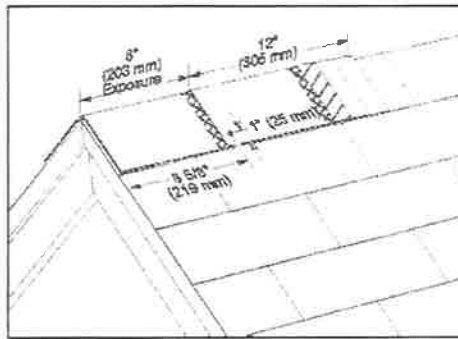


Figure 13-20: Use laying notches to center shingles on hips and ridges, and to locate the correct exposure

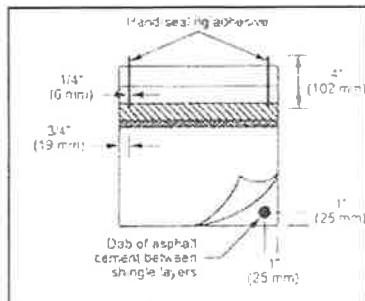
Note: For ASTM D3161 - Class F, use BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant in accordance with manufacturer's instructions.

6.3.3.2 Hip & Ridge, Option 2: Cedar Crest™, Cedar Crest™ IR

Use two 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. 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.



Note: For ASTM D3161 - Class F, use BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant 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 3/4 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.



6.3.4 **Presidential Shake™, Presidential Shake™ IR, Presidential Shake TL™:**

**LOW AND STANDARD SLOPE:**

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

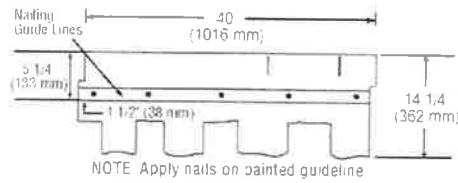


Figure 16-6: Fastening Presidential and Presidential TL Shake shingles on low and standard slopes.

**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.

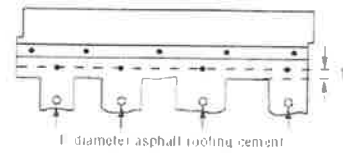


Figure 16-7: Fastening Presidential and Presidential TL Shake shingles on steep slopes.

6.3.4.1 **Hip & Ridge, 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 1 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.

Note: For ASTM D3161 - Class F, use BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant in accordance with manufacturer's instructions.

6.3.4.2 **Hip & Ridge, Option 2: Refer to instructions herein for Cedar Crest™, Cedar Crest™ IR hip and ridge shingles.**

6.3.5 **Hatteras™:**

**LOW, STANDARD AND STEEP SLOPE:**

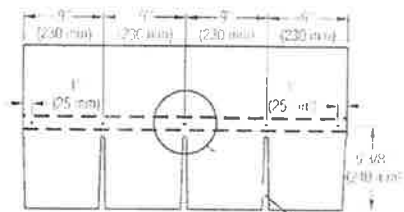


Figure 15-3: Fastening Hatteras shingles on Low and Standard Slopes.

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

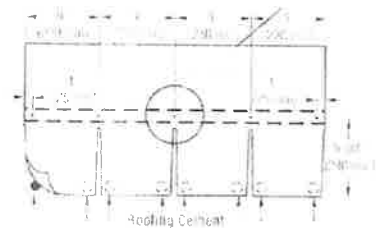


Figure 15-4: Fastening Hatteras shingles on Steep Slopes.

For steep slopes, use nine nails and eight spots of asphalt roofing cement for each full Hatteras shingle as shown above. Apply 1" diameter spots of asphalt roofing cement (ASTM D 156 Type II) under shingle tabs and under tab seams. Press shingle into wet cement.

CAUTION: Do not use edge nailing on steep slopes.

6.3.5.1 Hip & Ridge, Option 1: Accessory for Hatteras

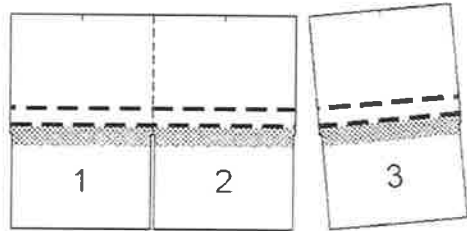
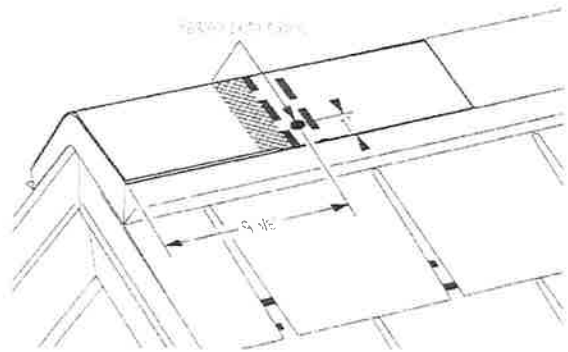


Figure 15-14: 18 three-piece units separate to make 54 Hatteras Accessory shingles.



Note: For ASTM D3161 - Class F, use BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant in accordance with manufacturer's instructions.

6.3.5.2 Hip & Ridge, Option 2: Cut Hatteras Shingles

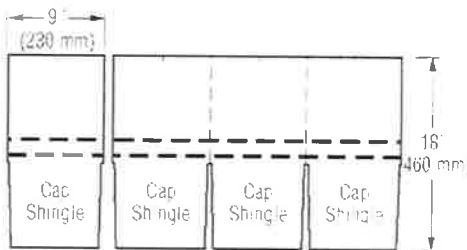


Figure 15-20: Cut Hatteras shingles to make cover cap

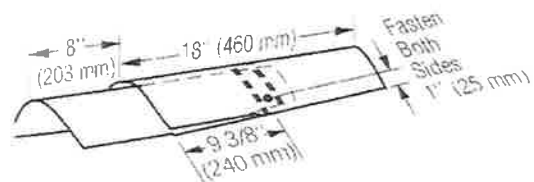


Figure 15-21: Installation of caps along hips and ridges.

Note: For ASTM D3161 - Class F, use BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant in accordance with manufacturer's instructions.

6.3.6 **Highland Slate™, Highland Slate™ IR:**

**LOW AND STANDARD SLOPE:**

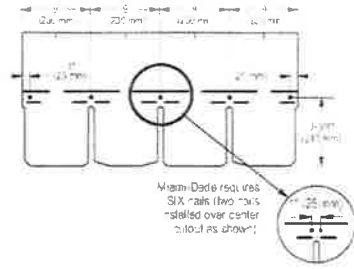


Figure 11-3 Use FIVE nails for every Highland Slate shingle

**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.

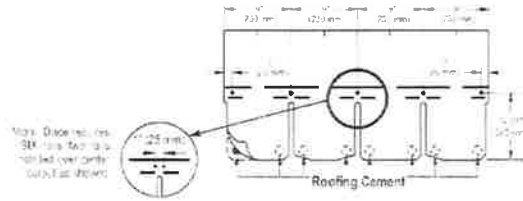


Figure 11-3A Use FIVE nails and eight spots of asphalt roofing cement under each tab corner.

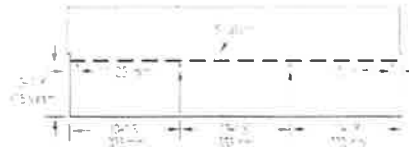
\*CAUTION: Excessive use of roofing cement can cause shingles to blister.

6.3.6.1 Hip & Ridge, Option 1: Refer to instructions herein for Cedar Crest™, Cedar Crest™ IR or Shangle Ridge™ hip and ridge shingles.

6.3.7 **Patriot™:**

**LOW AND STANDARD SLOPE**

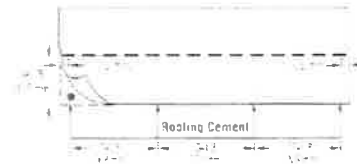
Use FOUR nails for every full shingle located as shown below.



**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.



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

**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 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 61G20-3 QA requirements.

**10. QUALITY ASSURANCE ENTITY:**

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

**- END OF EVALUATION REPORT -**