



City of Belle Isle

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

PERMIT CARD - PLEASE POST AT JOB SITE

THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 106.3.3: 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.

Scope of Work: REROOF: 3300 SF, asphalt shingle

Comments: None

Project Information

Address: 5256 Jade Circle, Belle Isle, FL 32812
Parcel ID: 20-23-30-4395-00-320
Property Owner: Romano, David
Phone Number: None

Company Name: Oviedo Roofing Enterprises, Inc.
Contractor Name: Scott, Patrick
License Number: CCC1326813
Address: 802 S Hwy 27 Minneola, FL 34715
Phone Number: 352-241-7663

Permit Number: 2014-08-061

Date of Application: 08/11/2014

Date Permit Issued: 08/11/2014

WARNING TO OWNER: "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.

BUILDING FEATURES

IMPACT FEES

Traffic \$
School \$

ZONING FEES

Zoning Fee \$30.00

UNIVERSAL ENG - BUILDING FEES

Boat Dock \$
Boat House \$
Building \$
Demo \$
Door(s) \$
Driveway \$
Electrical \$
Fence \$
Gas \$
Irrigation \$
Low Voltage \$
Mechanical \$
Plumbing \$
Pool \$
Roofing \$70.00
Screen Encl \$
Shed \$
Temp Pole \$
Window(s) \$

SURCHARGE FEES

Surcharge Fee \$2.00
Surcharge Fee \$2.00

TOTAL FEES \$104.00

Date Paid

8-12-14

GC or Check

5813

Amount Paid

104.00

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).

BUILDING INSPECTOR USE ONLY

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

BUILDING

1st Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? _____
(Footing/Foundation)

2nd _____
(Slab)

3rd _____
(Lintel) (Wall Reinforcing on Masonry Building)

4th _____
(Exterior Framing) (Roof/Wall Sheathing)

5th _____
(Framing) (To be made after Plumbing/Mechanical/
Electrical Rough-Ins & Windows/Doors Installed)

6th _____
(Insulation to be Made After Roof Installed)

7th _____
(Drywall)

8th _____
(Sidewalk/Driveway)

9th _____
(Other)

10th _____
(Final - After MEP and Other Applicable Finals)

ROOFING OSHA APPROVED ACCESS MUST BE MADE AVAILABLE TO INSPECTOR

1st ROOFING Deck Nailing/Dry-in/Flashing _____

2nd ROOFING Covering In-Progress _____

3rd ROOFING Covering Final _____

PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)

1st _____
(Underground) 2nd _____
(Sewer)

3rd _____
(Rough-In/Tub Set) 4th _____
(Final)

CHECK APPROPRIATE BOX

GAS Natural LP MECHANICAL ELECTRICAL LOW VOLTAGE

1st _____
(Rough-In) 2nd _____
(Final)

Inspection requests are to be emailed to BI scheduling@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/ffo94edc4-832d-44bd-9809-ectf32f9e2e63>

login ID = cobi@universalengineering.com

password = universal13

Permit Number: _____
Folio/Parcel ID #: 20-23-30-4395-00-320
Prepared by: BP

DOC# 20140393212 B: 10785 P: 5070
08/05/2014 10:36:23 AM Page 1 of 1
Rec Fee: \$10.00
Martha G. Haynie, Comptroller
Orange County, FL
NB - Ret To: OVIEDO ROOFING

Return to: Oviedo Roofing
802 S. Hwy 27
Minneola, FL 34715




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)
LAKE CONWAY SHORES 7/50 LOT 32: 5256 Jade Circle, Belle Isle, Fl. 32812
2. General description of improvement
shingle re-roof
3. Owner information or Lessee information if the Lessee contracted for the improvement
Name David J. Romano
Address 5256 Jade Circle Belle Isle, Fl. 32812
Interest in Property owner
Name and address of fee simple titleholder (if different from Owner listed above)
Name _____
Address _____
4. Contractor
Name Oviedo Roofing
Address 802 S. Hwy 27 Minneola, Fl. 34715
Telephone Number 407-849-7663
5. Surety (if applicable, a copy of the payment bond is attached)
Name _____
Address _____
Telephone Number _____
Amount of Bond \$ _____
6. Lender
Name _____
Address _____
Telephone Number _____
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 _____
Address _____
Telephone Number _____
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 _____
Address _____
Telephone Number _____
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) _____

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 of Owner's or Lessee's Authorized Officer/Partner/Manager
The foregoing instrument was acknowledged before me this 4th day of Aug, by DAVID J. Romano 2014 month/year
Signature of Notary Public - State of Florida
Name of party on behalf of whom instrument was executed
Print, type, or stamp commissioned name of Notary Public

as _____ for _____
Type of authority, e.g., officer, trustee, attorney in fact
Cindy G. Blackwell
Signature of Notary Public - State of Florida

Personally Known _____ OR Produced ID ✓
Type of ID Produced FOL# KSD-110-60-19-0





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

Product Approval Form

DATE: 8/5/14 PERMIT # _____
 PROJECT ADDRESS: 5256 Jade Circle Ok.Rt. 328B Belle Isle, FL 32809 32812

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

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

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
EXTERIOR DOORS							
Swinging				Sliding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
WINDOWS							
Single/Dbt Hung				Asphalt Shingles			
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Other			
Skylights							
Other							
STRUCTURAL COMPONENTS							
Wood Connectors				OTHER			
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 _____



Florida Department of
**Business & Professional
Regulation**

Licensee's Authority: Registering Body

1000 N. GULF BLVD
TALLAHASSEE, FL 32304

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Product Approval
USER: Public User

[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
Address/Phone/Email
CertainTeed Corporation-Roofing
PO Box 1100
1400 Union Meeting Rd
Blue Bell, PA 19422
(215) 274-2350
Steven.T.Lawrey@saint-gobain.com

Authorized Signature
Steven Lawrey
Steven.T.Lawrey@saint-gobain.com

Technical Representative
Address/Phone/Email
Steven Lawrey
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
FL5444_R7_COI_2014_04_COI_Nieminen.pdf

Referenced Standard and Year (of Standard)
Standard
ASTM D3161, Class F
ASTM D3462
ASTM D7158, Class H
Year
2006
2007
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

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
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to ER Section 5 for Limits of Use</p>		
<p>Installation Instructions FL5444_R7_II_2014_05_FINAL_ER_CERTAINTCEED_Aspphalt Shingle_FL5444-R7.pdf Verified By: Robert Nieminen, PE PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL5444_R7_AE_2014_05_FINAL_ER_CERTAINTCEED_Aspphalt Shingle_FL5444-R7.pdf Created by Independent Third Party: Yes</p>		

[Back](#) [Home](#)

Contact Us :: 1940 North Monroe Street, Tallahassee FL 32309 Phone: 850-487-1824

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Under Florida law, email addresses are public records. If you do not want your email 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 455.27(5)(1), Florida Statutes, effective October 1, 2012, licenses issued 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](#).

Product Approval Accepts:





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.

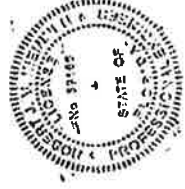
ADVERTISEMENT: The Evaluation Report number preceded by the words "Trinity|ERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

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 for which 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.
3. 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.
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:

Section	Property	Standard	Year
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:

Entity	Examination	Reference	Date
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 Shangle®, Centennial Slate™, Grand Manor Shangle®, 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 use in all wind zones up to $V_{asd} = 150$ mph ($V_{uit} = 194$ 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 use in all wind zones up to $V_{asd} = 150$ mph ($V_{uit} = 194$ 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 ($V_{uit} = 194$ 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 re-roof (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:

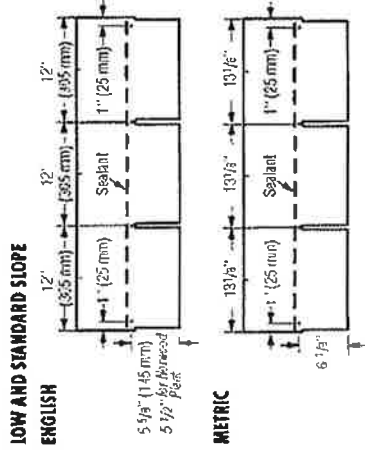


Figure 11-3: Use four nails for every full shingle.

6.3.1.1 Hip & Ridge: Cut Shingles

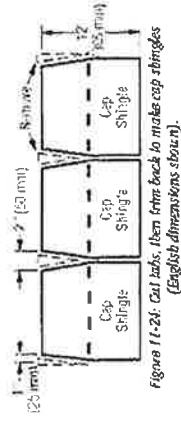
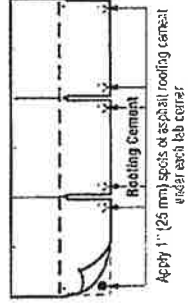


Figure 11-26: Cut tabs. Turn tabs back to make cap shingles (English dimensions shown).

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.



Apply 1" (25 mm) spots of asphalt roofing cement inside each tab corner.

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.



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 Shangle®, Centennial Slate™ and Grand Manor Shangle®:

LOW AND STANDARD SLOPE

Use five nails for every full Shangle.

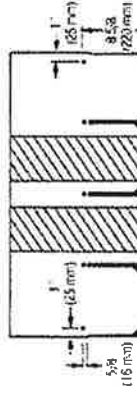


Figure 17-4: Use five nails for every full Grand Manor Shangle, Carriage House Shangle, or Centennial Slate.

STEP 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 D-4586 Type II is suggested.

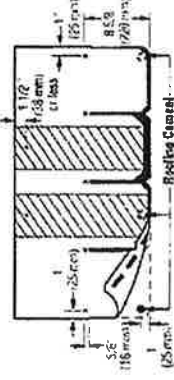


Figure 17-5: When installing Grand Manor Shangles on steep slopes, use seven nails and three spots of asphalt roofing cement.

6.3.2.1 Hip & Ridge: Shangle® Ridge

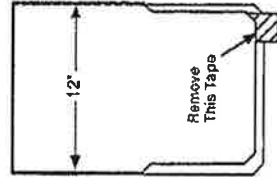


Figure 17-18: Shangle® Ridge.

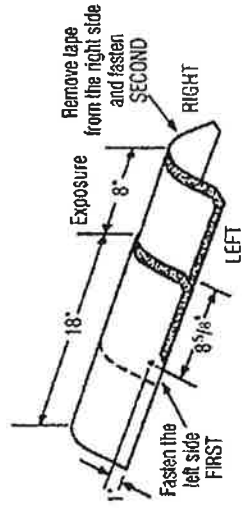


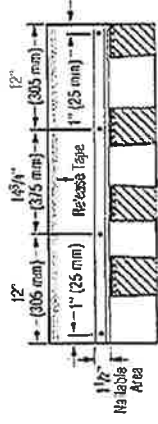
Figure 17-19: Installation of Shangle® Ridge shingles on hips and ridges.

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, Landmark™ TL

LOW AND STANDARD SLOPE

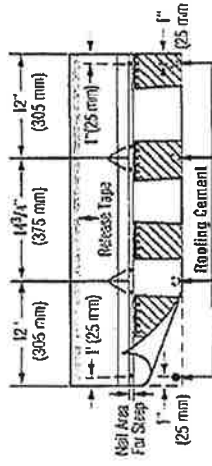
METRIC DIMENSIONS



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 D4586 Type II. Apply 1" spots of asphalt roofing cement under each corner and at about 12" to 13" in from each edge.

METRIC DIMENSIONS



6.3.3.1 Hip & Ridge, Option 1: Shadow Ridge™

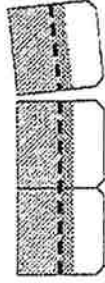
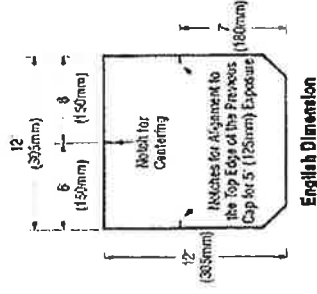


Figure 13-16. Shadow Ridge accessory shingles detach easily from three-piece units to make 72 individual cap pieces.



LANDMARK TL

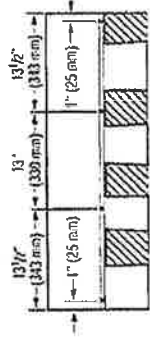


Figure 13-4. Use four nails for every full shingle.

LANDMARK TL

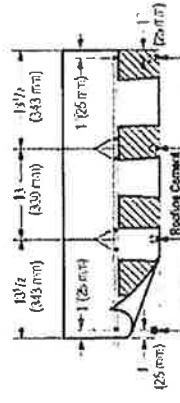
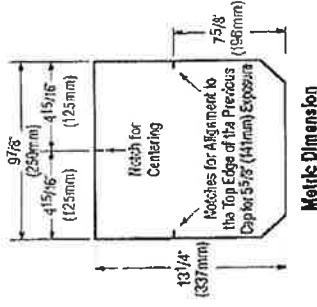


Figure 13-5. Use six nails and four spots of asphalt roofing cement on steep slopes.



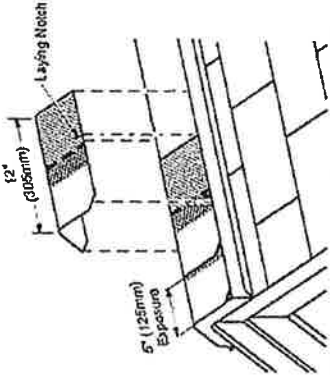


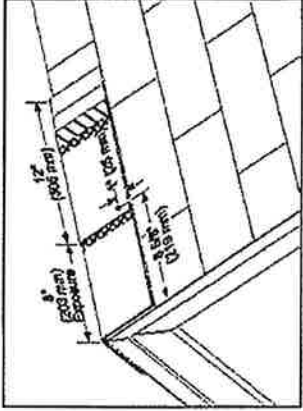
Figure 13-28: Use laying notches to center shingles on ridge and ridges, and to locate the correct exposure.

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.

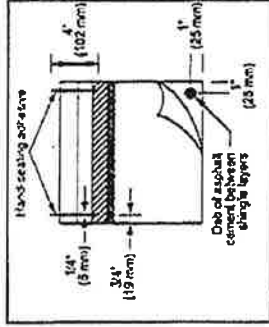
6.3.3.2

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.

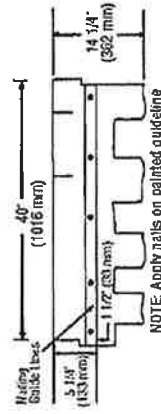


Figure 16-6: Fastening Presidential and Presidential TL Shingles on low and standard slopes.

STEP 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 the tab cutouts making certain tabs of overlapping shingle cover nails.

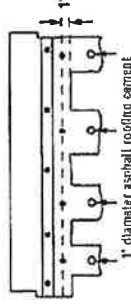


Figure 16-7: Fastening Presidential and Presidential TL Shingles on steep slopes.

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 Sonoelastic 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:

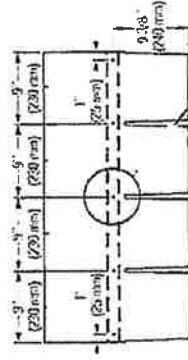


Figure 15-3: Fastening Hatteras Shingles on Low and Standard Slopes

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

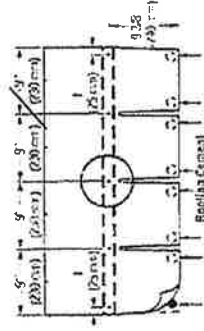


Figure 15-4: Fastening Hatteras Shingles on Steep Slopes

For steep slopes, use 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 4565 Type II suggested) under each tab correct. Press shingle into place, do not exterior cement.

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

6.3.5.1 Hip & Ridge, Option 1: Accessory for Hatteras

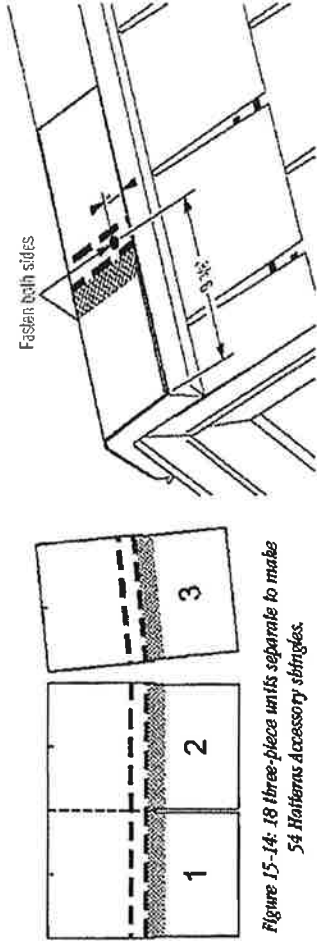


Figure 15-14: 18 three-piece units separate to make 54 Hatteras accessory shingles.

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

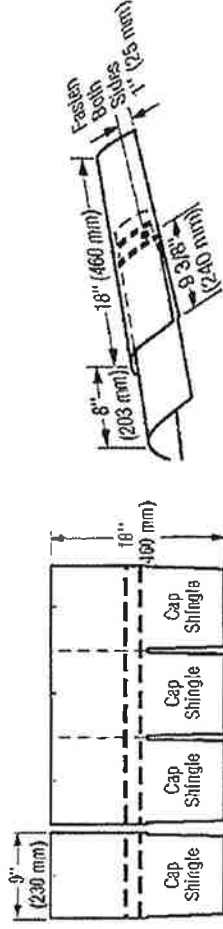


Figure 15-20: Cut Hatteras shingles to make cover cap.

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.

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

6.3.6

Highland Slate™, Highland Slate™ IR:

LOW AND STANDARD SLOPE:

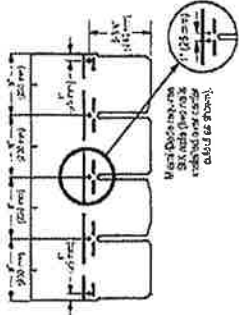


Figure 11-3. Use **FIVE** nails, for every Highland Slate shingle.

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 lab corner. Asphalt roofing cement meeting ASTM D-5586 Type II is suggested.

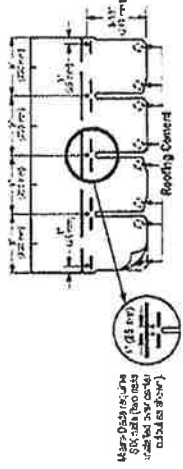


Figure 11-3a. Use **FIVE** nails and **eight** spots of asphalt roofing cement under each lab corner.

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

6.3.6.1

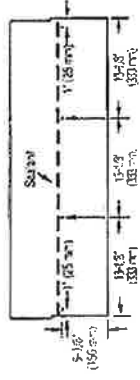
Hip & Ridge, Option 1: Refer to instructions herein for Cedar Crest™, Cedar Crest™ IR or Shangle Ridge™ hip and ridge shingles.

6.3.7

Patriot™:

LOW AND STANDARD SLOPE

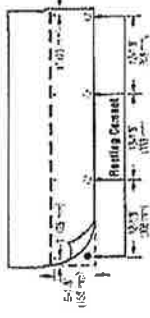
Use **FOUR** nails for every full shingle located as shown below.



STEEP SLOPE

Use **FOUR** nails and four spots of asphalt roofing cement for every full shingle as shown below. Asphalt roofing cement meeting ASTM D5586 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 -