



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 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.

Scope of Work: ROOF new roof over new Mbed/Mbath addition & re-roof of the rest of the house
comments: None .

Project Information

Address: 2319 Nela Ave, Belle Isle, FL 32812
Parcel ID: 19-23-30-5883-03-240
Property Owner: Barr, William II
Phone Number: none

Company Name: Huffnagle Construction Inc
Contractor Name: Huffnagle, Christian
License Number: CCC057528
Address: 5600 Lido St, Orlando, FL 32807
Phone Number: 407 760 4700

Permit Number: 2016-04-046

Date of Application: 04/27/2016

Date Permit Issued: 04/29/2016

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

School \$
Traffic \$

ZONING FEES

Zoning Fee \$30.00

UNIVERSAL ENG - BUILDING FEES

Cert of Occ \$
Demo \$ \$
Building \$ \$
Fence \$ \$
Driveway \$ \$
Shed \$ \$
Window(s) \$ \$
Door(s) \$ \$
PrePower \$ \$
Electrical \$ \$
Temp Pole \$ \$
Plumbing \$ \$
Mechanical \$ \$
Gas \$ \$
Roofing \$142.50
Boat Dock \$ \$
Screen Encl \$ \$
Swimming Pool \$ \$
Sign \$ \$

SURCHARGE FEES

Surcharge Fee \$2.00
Surcharge Fee \$2.00

TOTAL FEES \$176.50

Date Paid 4-29-16

CC or Check # 1088

Amount Paid 176.50

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

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 4pm.** 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>

login ID = cobi@universalengineering.com

password = universal13



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universaleengineering.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: 4/25/16

ROOF PERMIT NUMBER 2016-04-046

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

Project Address 2319 Nela Ave, Belle Isle, FL X 32809 32812

Property Owner Barr William II Phone _____

Property Owner's Mailing Address same City _____

State _____ Zip Code _____ Parcel Id Number: 19-23-0-5888-03-240

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

Class of Building: Old New Type of Building: Residential Commercial Other

Type of Work: New Roof ReRoof

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

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

Industry standard 15,000.00

Roof Square Footage: 50 sq Number of Stories: 1 Job Valuation: \$ 10000

Type: Asphalt Shingles Metal Modified Bitumen Other: _____

NEW ROOF ON MBED/MBATH addition + re-roof of rest of house both zoning & review fees apply
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 # ccc057528

LICENSE HOLDER NAME Christian Huffnagle COMPANY NAME Huffnagle Construction Inc

Street Address 5600 Lido Street

City Orlando State FL Zip Code 32807 Phone Number 407-760-4700

Email Address huffnagle@bellsouth.net

Building Official: ca Date 4-28-16

Verified Contractor's Licenses & Insurance are on file [Signature] Date 4-28-16

Zoning Fee	\$	<u>30.00</u>
Permit Fee	\$	<u>95.00</u>
Review Fee	\$	<u>47.50</u>
3% Florida Surcharge	\$	<u>4.00</u>
Total Permit Fee	\$	<u>126.50</u>

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 2016-01-029

*1st 25
2x14 20
95*

*95.00
47.50
142.50*



City of Belle Isle

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

Product Approval Form

DATE: 4-25-16

PERMIT # 2016-04-046

PROJECT ADDRESS 2319 Nela Ave., Belle Isle, FL 32809 32812

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

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

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
EXTERIOR DOORS				WALL PANELS			
Swinging				Sliding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
WINDOWS				ROOFING PRODUCTS			
Single/Dbf Hung				Asphalt Shingles	Certainteed	landmark	FL5444-R9
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Underlayment	atlas	gorilla gaurd	FL-11915
Skylights				Other			17322
Other							
STRUCTURAL COMPONENTS				OTHER			
Wood Connectors							
Wood Anchors							
Truss Plates							
Insulation Forms							
Lintels							
Other							

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

Applicant Signature

Date 4-25-16



[BCIS Home](#)
[Log In](#)
[User Registration](#)
[Hot Topics](#)
[Submit Surcharge](#)
[Stats & Facts](#)
[Publications](#)
[FBC Staff](#)
[BCIS Site Map](#)
[Links](#)
[Search](#)

Product Approval
 USER: Public User

License efficiency. Regulate fairly.
 OFFICE OF THE
 STATE ENGINEER

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

FL # FL17322-R1
 Application Type Revision
 Code Version 2014
 Application Status Approved

Comments
 Archived

Product Manufacturer Atlas Roofing Corporation
 Address/Phone/Email 2000 RiverEdge Parkway
 Suite 800
 Atlanta, GA 30328
 (770) 946-4571
 mcollins@atlasroofing.com

Authorized Signature Meldrin Collins
 mcollins@atlasroofing.com

Technical Representative
 Address/Phone/Email

Quality Assurance Representative
 Address/Phone/Email

Category Roofing
 Subcategory Underlayments

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 Zachary R. Priest
 Florida License PE-74021
 Quality Assurance Entity UL LLC
 Quality Assurance Contract Expiration Date 12/31/2020
 Validated By Locke Bowden
 ✓ Validation Checklist - Hardcopy Received

Certificate of Independence [FL17322 R1 COI ATL14001.1 2014 FBC Evaluation Report Atlas Underlayments.pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM D 1970	2009
	ASTM D 226	2006
	ASTM D 2626	2004
	ASTM D 4869	2005
	ASTM D 6380	2003
	TAS 103	1995
	TAS 110	1995

Equivalence of Product Standards
 Certified By

EVALUATION REPORT

2014 FLORIDA BUILDING CODE

Manufacturer: ATLAS ROOFING CORPORATION
2000 Riveredge Parkway, Suite 800
Atlanta, GA 30328
(770) 612-6267
www.atlasroofing.com

Issued April 19, 2015

Quality Assurance: UL LLC (QUA9625)

SCOPE

Category: Roofing
Subcategory: Underlayments
Code Sections: 1507.2.3, 1507.2.4, 1507.2.8, 1507.2.9.2, 1507.3.3, 1507.4.5.1, 1507.4.5.2, 1507.4.5.3, 1507.5.3, 1507.5.3.2, 1507.6.3, 1507.6.3.2, 1507.6.5, 1507.7.3, 1507.7.3.2, 1507.8.3, 1507.8.3.2, 1507.8.8, T1507.8, 1507.9.3, 1507.9.3.2, 1507.9.5, 1507.9.9, 1518.4, 1523.1.1, 1523.6.5.2.1
Properties: Physical properties

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST6049)	ATL-033-02-01	ASTM D 226	2006
PRI Construction Materials Technologies (TST6049)	ATL-068-02-01	ASTM D 1970	2009
PRI Construction Materials Technologies (TST6049)	ATL-068-02-01	ASTM D 4798	2001
PRI Construction Materials Technologies (TST6049)	ATL-068-02-01	TAS 110	2000
PRI Construction Materials Technologies (TST6049)	ATL-069-02-01	ASTM D 1970	2009
PRI Construction Materials Technologies (TST6049)	ATL-090-02-01	TAS 103	1995
PRI Construction Materials Technologies (TST6049)	ATL-149-02-01	ASTM D 1970	2009
PRI Construction Materials Technologies (TST6049)	ATL-164-02-01	ASTM D 1970	2009
PRI Construction Materials Technologies (TST6049)	MSA-004-02-01	ASTM D 1970	2009
PRI Construction Materials Technologies (TST6049)	NEI-006-02-01	TAS 103	1995
PRI Construction Materials Technologies (TST6049)	NEI-029-02-01	ASTM D 1970	2009
PRI Construction Materials Technologies (TST6049)	NEI-045-02-01	TAS 103	1995
PRI Construction Materials Technologies (TST6049)	NEI-045-02-01	ASTM D 4798	2001
PRI Construction Materials Technologies (TST6049)	NEI-045-02-01	TAS 110	2000
PRI Construction Materials Technologies (TST6049)	NEI-046-02-01	Tensile Adhesion	2007
PRI Construction Materials Technologies (TST6049)	NEI-062-02-01	ASTM D 1970	2009
PRI Construction Materials Technologies (TST6049)	NEI-063-02-01	TAS 103	1995
PRI Construction Materials Technologies (TST6049)	NEI-063-02-01	ASTM D 4798	2001
PRI Construction Materials Technologies (TST6049)	NEI-063-02-01	TAS 110	2000
PRI Construction Materials Technologies (TST6049)	NEI-076-02-01	TAS 103	1995
PRI Construction Materials Technologies (TST6049)	NEI-076-02-01	ASTM D 4798	2001
PRI Construction Materials Technologies (TST6049)	NEI-076-02-01	TAS 110	2000
UL LLC (TST1740)	02-NK40952	ASTM D 1970	2009
UL LLC (TST1740)	02-NK40952	ASTM D 226	2006
UL LLC (TST1740)	02-NK40952	ASTM D 2626	2004
UL LLC (TST1740)	02-NK40952	ASTM D 4869	2005e01
UL LLC (TST1740)	02-NK40952	ASTM D 6380	2003 (2009)

PRODUCT DESCRIPTION

#15 Specification Felt	ASTM D 226, Type I asphalt saturated organic felt underlayment for use in the HVHZ and non-HVHZ.
#30 Organic Saturated Felt	ASTM D 4869, Type II asphalt saturated organic felt underlayment <u>for use in the non-HVHZ only.</u>
#30 Specification Felt	ASTM D 226, Type II asphalt saturated organic felt underlayment for use in the HVHZ and non-HVHZ.
#43 Base Sheet	ASTM D 2626 asphalt saturated and coated, non-perforated, organic felt underlayment for use in the HVHZ and non-HVHZ.
#90 Mineral Surface Roll Roofing	ASTM D 6380, Class M asphalt-saturated organic roll roofing sheet for use in the HVHZ and non-HVHZ.
Gorilla Guard® EVERFELT 30	Asphalt-saturated organic felt underlayment reinforced with glass fiber that meets the performance requirements of ASTM D 226, Type I for use in the HVHZ and non-HVHZ.
Slate/Tile Underlayment	ASTM D 6380, Class M asphalt-saturated organic roll roofing sheet for use in the HVHZ and non-HVHZ.
WeatherMaster® Granular	ASTM D 1970 SBS modified, self-adhering underlayment reinforced with a fiberglass mat and a granular surface for use in the HVHZ and non-HVHZ. The self-adhesive side is covered with a release film, which is removed during installation.
WeatherMaster® Polyseal	ASTM D 1970 SBS modified, self-adhering underlayment with a poly-fabric surface for use in the HVHZ and non-HVHZ. The self-adhesive side is covered with a release film, which is removed during installation.
WeatherMaster® TU Ultra	ASTM D 1970 and TAS 103 SBS modified, self-adhering underlayment with a non-woven polyester fabric surface for use in the non-HVHZ and HVHZ. The self-adhesive side is covered with a release film, which is removed during installation.
WeatherMaster® 200 SE	ASTM D 1970 SBS modified, self-adhering underlayment reinforced with a fiberglass mat and a granular surface for use in the HVHZ and non-HVHZ. The self-adhesive side is covered with a split-release film, which is removed during installation.
WeatherMaster® Film SE	ASTM D 1970 SBS modified, self-adhering underlayment with plastic film surface for use in the HVHZ and non-HVHZ. The self-adhesive side is covered with a split-release film, which is removed during installation.
WeatherMaster® Granular SE	ASTM D 1970 SBS modified, self-adhering underlayment reinforced with a fiberglass mat and a granular surface for use in the HVHZ and non-HVHZ. The self-adhesive side is covered with a release film, which is removed during installation.
WeatherMaster® PolySeal SE	TAS 103 SBS modified, self-adhering underlayment with a fiberglass mat reinforcement and a poly-fabric surface for use in the HVHZ and non-HVHZ. The self-adhesive side is covered with a release film, which is removed during installation.
WeatherMaster® TU Ultra SE	TAS 103 SBS modified, self-adhering underlayment with a fiberglass mat reinforcement and a poly-fabric surface for use in the HVHZ and non-HVHZ. The self-adhesive side is covered with a release film, which is removed during installation.

APPLICATION METHOD

Installation shall be in accordance with the published manufacturer's installation instructions, the FBC, and the requirements below.

Deck substrates shall be clean, dry, and free from any irregularities and debris. All fasteners in the deck shall be checked for protrusion and corrected prior to underlayment application.

The roof deck shall be constructed of closely fitted plywood sheathing for new or existing construction. Plywood deck shall be installed in accordance with FBC requirements. Roof decks shall have no more than 1/8" gap at abutting joints.

Exposure of the underlayments shall be limited to a maximum 30 days except as follows:

- a) #15 Specification Felt, #30 Specification Felt, and #40 Base Sheet – exposure for than 24 hours may adversely affect product performance
- b) WeatherMaster® Granular SE or WeatherMaster® Granular – maximum 14 days
- c) WeatherMaster® Polyseal SE and WeatherMaster® TU Ultra SE – maximum 90 days
- d) WeatherMaster® TU Ultra – maximum 180 days

Self-adhering underlayments may be adhered to the following substrates as follows in the non-HVHZ:

- a) WeatherMaster® Granular, WeatherMaster® Polyseal, or WeatherMaster® TU Ultra – primed concrete, plywood, primed plywood, OSB, or primed OSB
- b) WeatherMaster® Granular SE, WeatherMaster® Polyseal SE, or WeatherMaster® TU Ultra SE – plywood or primed plywood
- c) WeatherMaster® Granular or WeatherMaster® TU Ultra – DensDeck Prime
- d) WeatherMaster® Polyseal – ACFoam HS

Roof coverings shall be mechanically fastened through the underlayment to the roof deck except as follows (or as indicated in other current FBC product approval documents):

- a) WeatherMaster® TU Ultra – Convenience Products Touch n' Seal StormBond Roof Tile Adhesive or 3M 2-Component Roof Tile Adhesive AH-160
- b) WeatherMaster® Polyseal SE or WeatherMaster® TU Ultra SE – 3M 2-Component Roof Tile Adhesive AH-160
- c) Slate/Tile Underlayment or #90 Mineral Surface Roll Roofing – Convenience Products Touch n' Seal StormBond Roof Tile Adhesive, Dow TileBond, or 3M 2-Component Roof Tile Adhesive AH-160

Allowable Roof Coverings:

Underlayment	Asphalt Shingles	Metal Roof Panels and Shingles	Composite Shingles	Wood Shingles and Shakes	State Shingles	Clay and Concrete Tile
#15 Specification Felt	Y	Y	Y	Y	Y	N
#30 Organic Saturated Felt	Y	Y	Y	Y	Y	N
#30 Specification Felt	Y	Y	Y	Y	Y	Y
#43 Base Sheet	Y	Y	Y	Y	Y	Y
#90 Mineral Surface Roll Roofing	Y ¹	N	N	N	N	Y
Gorilla Guard® EVERFELT 30	Y	Y	Y	Y	Y	N
Slate/Tile Underlayment	Y ¹	N	N	N	N	Y
WeatherMaster® Granular	Y	N	Y	Y	Y	N
WeatherMaster® Polyseal	Y	Y	Y	Y	Y	N
WeatherMaster® TU Ultra	Y	Y	Y	Y	Y	Y
WeatherMaster® 200 SE	Y	N	Y	Y	Y	N
WeatherMaster® Film SE	Y	Y	Y	Y	Y	N
WeatherMaster® Granular SE	Y	N	Y	Y	Y	N
WeatherMaster® Polyseal SE	Y	Y	Y	Y	Y	Y
WeatherMaster® TU Ultra SE	Y	Y	Y	Y	Y	Y

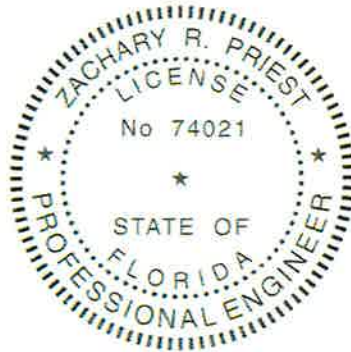
Notes: 1) Open valley applications per 1507.2.9.2

LIMITATIONS

- 1) Fire Classification is not within the scope of this evaluation.
- 2) Wind uplift resistance is not within scope of this evaluation.
- 3) Minimum roof slope shall be in accordance with FBC requirements.
- 4) Installation of the evaluated product shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
- 5) Products described within this report may be used as described in other current FBC product approval documents.
- 6) Roof coverings shall not be adhered directly to the underlayment unless otherwise approved in this or other current FBC product approval documents.
- 7) All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest P.E. have demonstrated compliance with the 2014 Florida Building Code as evidenced in the referenced documents submitted by the named manufacturer.



2015.04.19
14:19:46
-04'00'

Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

END OF REPORT



[BCIS Home](#)
[Log In](#)
[User Registration](#)
[Hot Topics](#)
[Submit Surcharge](#)
[Stats & Facts](#)
[Publications](#)
[FBC Staff](#)
[BCIS Site Map](#)
[Links](#)
[Search](#)



Product Approval
USER: Public User

License efficiently. Regulate fairly.

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



FL #	FL5444-R9								
Application Type	Revision								
Code Version	2014								
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	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 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_R9_COI_2016_01_COI_Nieminen.pdf								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>ASTM D3161, Class F</td> <td>2009</td> </tr> <tr> <td>ASTM D3462</td> <td>2009</td> </tr> <tr> <td>ASTM D7158, Class H</td> <td>2008</td> </tr> </tbody> </table>	Standard	Year	ASTM D3161, Class F	2009	ASTM D3462	2009	ASTM D7158, Class H	2008
Standard	Year								
ASTM D3161, Class F	2009								
ASTM D3462	2009								
ASTM D7158, Class H	2008								
Equivalence of Product Standards Certified By									
Sections from the Code									

Product Approval Method Method 1 Option D

Date Submitted 02/16/2016

Date Validated 02/16/2016

Date Pending FBC Approval 02/17/2016

Date Approved 04/12/2016

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
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		Installation Instructions FL5444 R9 II 2016 02 FINAL ER CERTAINTEED Asphalt Shingle FL5444-R9.pdf Verified By: Robert Nieminen, PE PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL5444 R9 AE 2016 02 FINAL ER CERTAINTEED Asphalt Shingle FL5444-R9.pdf Created by Independent Third Party: Yes

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

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

The State of Florida is an AA/EEO employer. [Copyright 2007-2013 State of Florida](#). :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

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](#).

Product Approval Accepts:



EVALUATION REPORT

CertainTeed Corporation
18 Moores Road
Malvern, PA 19355

Evaluation Report 3532.09.05-R10
FL5444-R9
Date of Issuance: 09/22/2005
Revision 10: 02/16/2016

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 5th Edition (2014) Florida Building Code sections noted herein.

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.

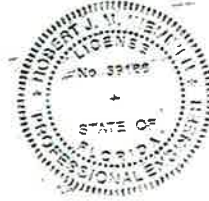
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 12.

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 02/16/2016. 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.
5. This is a building code evaluation. Neither Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Asphalt Shingles

Compliance Statement: 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	2009
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D3161, Class F	2009
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D7158, Class H	2008

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 (TST 9628)	ASTM D3161 & D3462	4786334434	09/16/2014
UL LLC (TST 9628)	ASTM D3161 & D3462	4786570826	02/12/2015
UL LLC (TST 9628)	ASTM D3161, D3462 & D7158	4786570717	12/16/2015
UL LLC (TST 9628)	ASTM D3161 & D3462	4787195678	02/09/2016
UL LLC (QUA 9625)	Quality Control	Service Confirmation	Exp. 07/03/2017

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 NorthGate™ is a fiberglass reinforced, laminated, SBS modified bitumen roof shingle.

- 4.4 Presidential Shake™, Presidential Shake™ IR, Presidential Shake TL™ and Presidential Solaris™ are fiberglass reinforced, architectural asphalt roof shingles.
- 4.5 Hatteras™, Highland Slate™ and Highland Slate™ IR are fiberglass reinforced, 4-tab asphalt roof shingles.
- 4.6 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.
- 4.7 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.
- 4.8 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 Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in the HVHZ
- 5.3 Fire Classification is not part of this Evaluation Report; refer to current Approved Roofing Materials Directory for fire ratings of this product.
- 5.4 Wind Classification:
 - 5.4.1 All 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 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).
 - 5.4.3 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.
 - 5.4.3.1 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 4.6 (except Presidential Solaris™) 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 the Florida Building Code and F.A.C. Rule 61G20-3.

6. INSTALLATION:

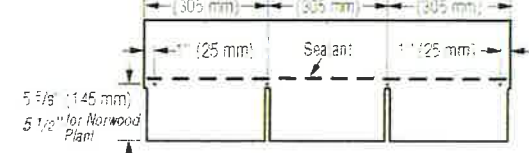
- 6.1 Roof deck, slope, underlayment and fasteners shall comply with FBC 1507.2 / R905.2 and the shingle manufacturer's minimum requirements.

- 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

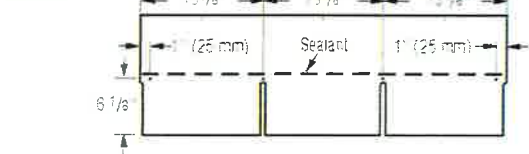
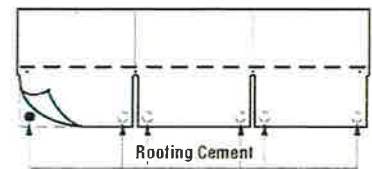


Figure 11-3: Use **four** nails for every full shingle

STEEP SLOPE

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



Apply 1" (25 mm) spots of asphalt roofing cement under each top 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.

6.3.1.1 Hip & Ridge: Cut Shingles

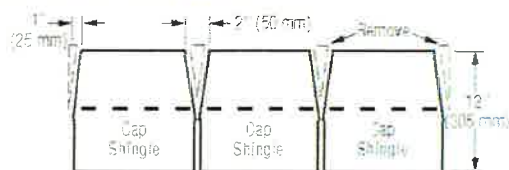


Figure 11-24: Cut tabs, then trim back to make cap shingles (English dimensions shown).

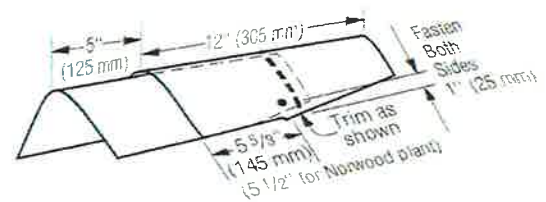


Figure 11-25: Installation of caps along the hips and ridges.

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

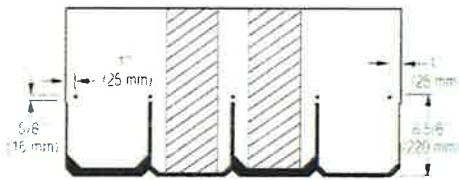


Figure 17-4: Use five nails for every full Grand Manor Shingle, Carriage House Shingle, or Centennial Slate

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 D4586 Type II is suggested.

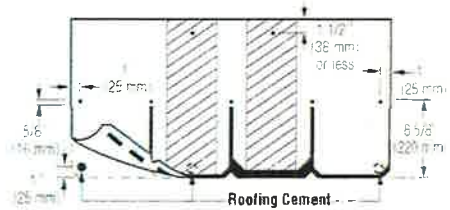


Figure 17-5: When installing Grand Manor Shingles on steep slopes, use seven nails and three spots of asphalt roofing cement

6.3.2.1 **Hip & Ridge: Shingle® Ridge**

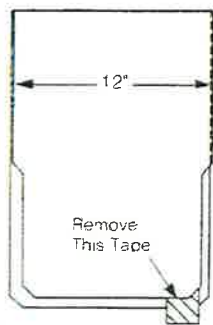


Figure 17-18: Shingle® Ridge.

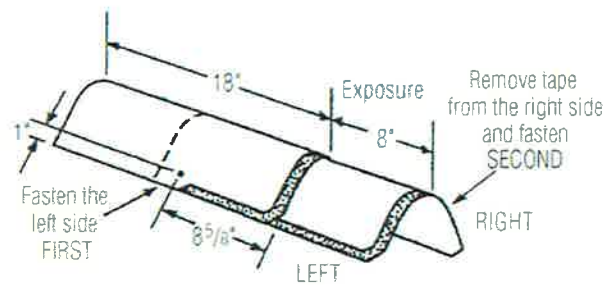


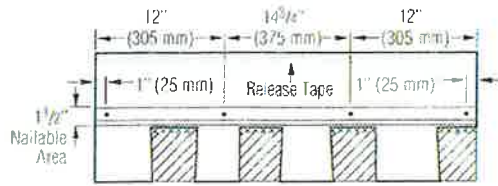
Figure 17-19: Installation of Shingle® Ridge shingles on hips and ridges.

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, NorthGate:

LOW AND STANDARD SLOPE

METRIC DIMENSIONS



LANDMARK TL

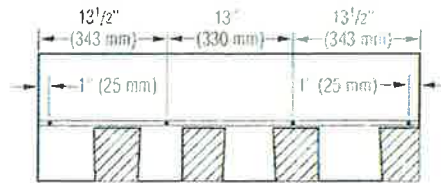
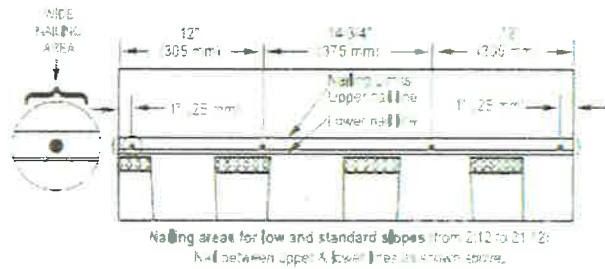


Figure 13-4 Use four nails for every full shingle

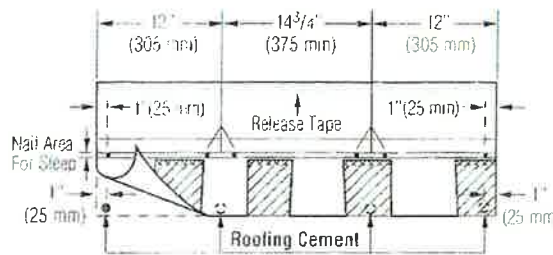
NorthGate:



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



LANDMARK TL

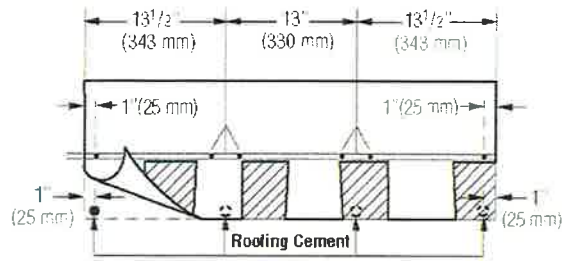
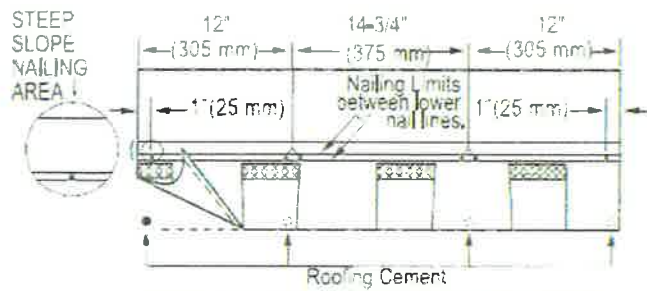


Figure 13-5: Use six nails and four spots of asphalt roofing cement on steep slopes.

NorthGate:



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

6.3.3.1 Hip & Ridge, Option 1: Shadow Ridge™ or NothGate Accessory

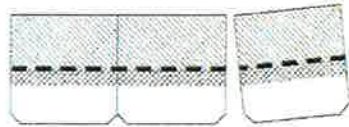
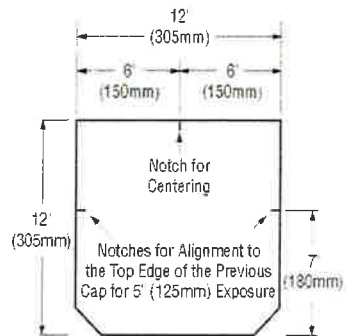
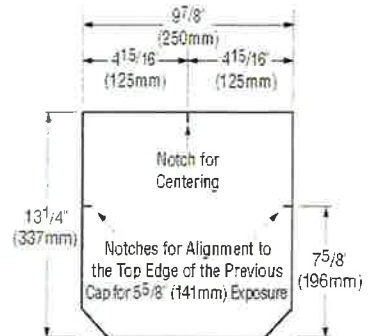


Figure 13-16: Shadow Ridge accessory shingles detach easily from three-piece units to make 72 individual cap pieces.



English Dimension
Shadow Ridge™



Metric Dimension
Shadow Ridge™

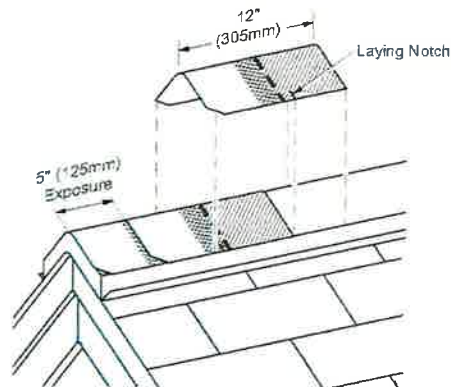
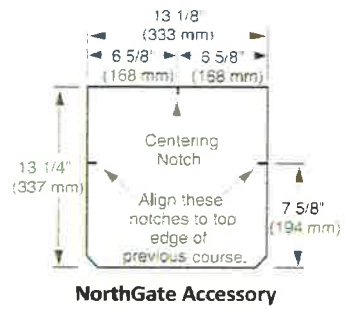
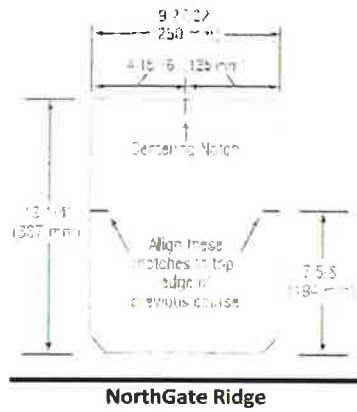
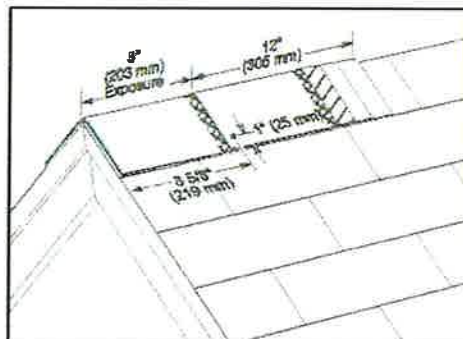


Figure 13-20: Use laying notches to center shingles on hips and ridges, and to locate the correct exposure.

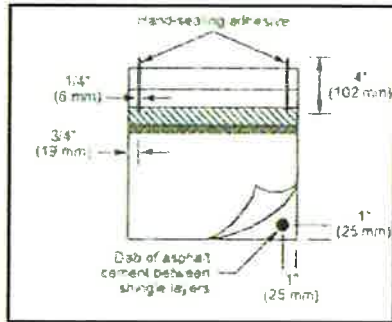
Note: For ASTM D3161 - Class F of Shadow Ridge™, use BASF Sonolastic NP 1 adhesive or Henkel PL® Polyurethane Roof & Flashing Sealant in accordance with manufacturer's instructions.

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 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.



6.3.4 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.

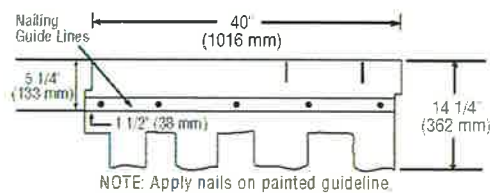


Figure 16-6: Fastening Presidential and Presidential TL Shake shingles on low and standard slopes.

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.

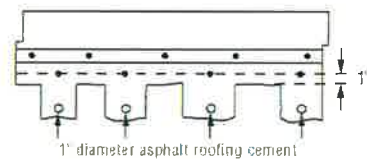


Figure 16-7: Fastening Presidential and Presidential TL Shake shingles on steep slopes.

6.3.4.1 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:

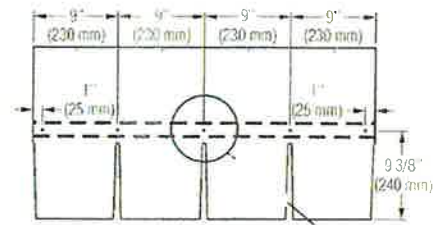


Figure 15-3: Fastening Hatteras Shingles on Low and Standard Slopes

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

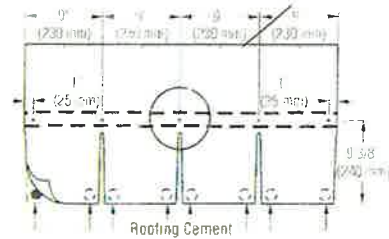


Figure 15-4: Fastening Hatteras Shingles on Steep Slopes

For steep slopes use 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.

6.3.5.1 **Hip & Ridge, Option 1: Accessory for Hatteras**

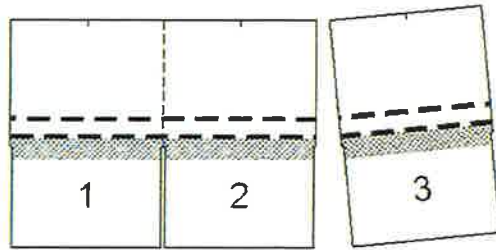
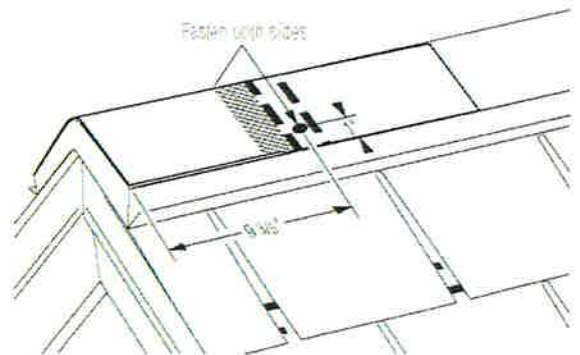


Figure 15-14: 18 three-piece units separate to make 54 Hatteras Accessory shingles.



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**

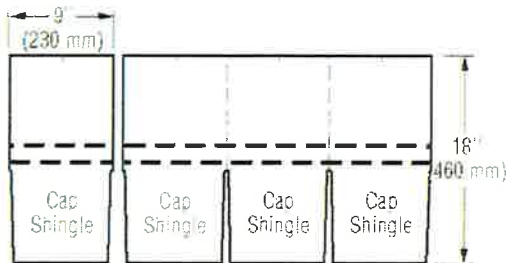


Figure 15-20: Cut Hatteras shingles to make cover cap.

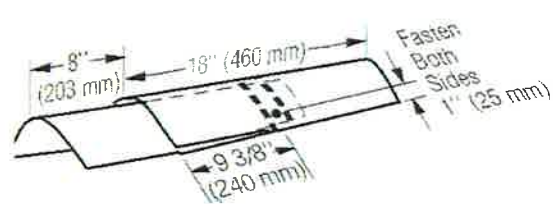


Figure 15-21: Installation of caps along hips and ridges.

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:

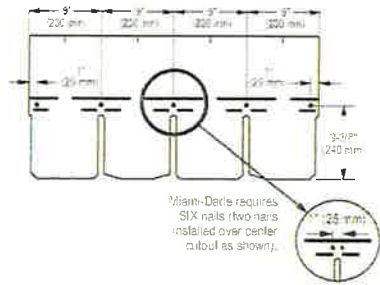


Figure 11-3: Use FIVE nails for every Highland Slate shingle.

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 D-586 Type II is suggested.

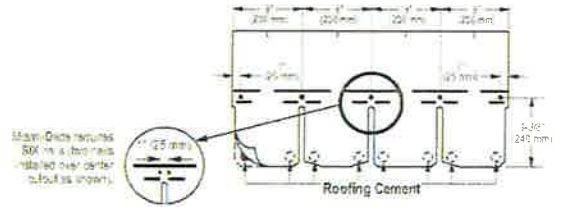


Figure 11-3A: Use FIVE nails and eight spots of asphalt roofing cement under each tab corner.

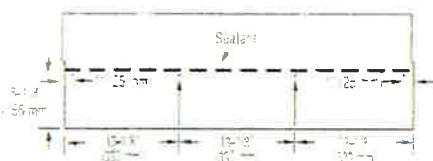
*CAUTION: Excessive use of roofing cement can cause shingles to blister.

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 D-586 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™, NorthGate 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 -



FLORIDA ROOFING, SHEET METAL & AIR CONDITIONING CONTRACTORS ASSOCIATION, INC.

SELF INSURERS FUND

1-800-767-3772 • FAX (407) 671-2520

CERTIFICATE OF INSURANCE

ISSUED TO:

City of Belle Isle
1600 Nela Ave
Belle Isle, FL 32809

COPY PROVIDED TO:

Huffnagle Construction, Inc.
5600 Lido Street
Orlando, FL 32807

Attention:

Huffnagle Construction, Inc.

This is to Certify that: 5600 Lido Street
Orlando, FL 32807

being subject to the provisions of the Florida Workers' Compensation Act, has secured the payment of compensation by insuring their risk with the FLORIDA ROOFING, SHEET METAL & AIR CONDITIONING CONTRACTORS ASSOCIATION SELF INSURERS FUND, 4099 Metric Drive, Winter Park, FL 32792.

COVERAGE NUMBER:	<u>870-033287</u>	<u>LIMITS</u>	
EFFECTIVE DATE:	<u>1/1/2016</u>	Workers' Compensation:	Statutory - State of Florida
EXPIRATION DATE:	<u>1/1/2017</u>	Employers' Liability:	\$1,000,000.00 Each Accident
			\$1,000,000.00 Disease, Each Employee
			\$1,000,000.00 Disease, Policy Limit

REMARKS: Non-cancelable, without 30 days prior written notice, except for non-payment of premium which will be a 10 day written notice.

This certificate is issued as a matter of information only, is not a policy and of itself does not afford any insurance. Nothing contained in this certificate shall be constructed as extending coverage not afforded by the policy(ies) shown above or as affording insurance to any insured not named above. This provides coverage for Florida policyholders and Florida domiciled employees only.

By: Brett Stiegel
Brett Stiegel, Administrator
FRSA-SIF

By: Debra Guidry
Debra Guidry, CPCU, Underwriting Manager
FRSA-SIF

CITY OF ORLANDO

2015-2016

ECONOMIC DEVELOPMENT
PERMITTING SERVICES

LOCAL BUSINESS TAX RECEIPT

(Formerly known as "Business License," changed per state law HB1269-2006)



NOTICE-THIS RECEIPT ONLY EVIDENCES PAYMENT OF THE LOCAL BUSINESS TAX PURSUANT TO CH. 205, FLORIDA STATUTES. IT DOES NOT PERMIT THE HOLDER TO OPERATE IN VIOLATION OF ANY CITY, STATE, OR FEDERAL LAW. CITY PERMITTING MUST BE NOTIFIED OF ANY MATERIAL CHANGE TO THE INFORMATION FOUND HEREIN BELOW. THIS RECEIPT DOES NOT CONSTITUTE AN ENDORSEMENT OR APPROVAL OF THE HOLDER'S SKILL OR COMPETENCY.

Issued Date: 10/01/2015

Expiration Date: 09/30/2016

Case Number: BUS-0006505

Business Name

HUFFNAGLE CONSTRUCTION INC
5600 LIDO ST
ORLANDO, FL 32807

Business Owner

HUFFNAGLE CONSTRUCTION INC
CHRISTIAN HUFFNAGLE CCC057528

Business Location:

5600 Lido St

Business Type(s)

CONTRACTOR CONTRACTOR DBPR

Administration Fee

20.00

Local Business Tax

Total Paid





**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783**

(850) 487-1395

HUFFNAGLE, CHRISTIAN THOMAS
HUFFNAGLE CONSTRUCTION, INC
5600 LIDO ST
ORLANDO FL 32807

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

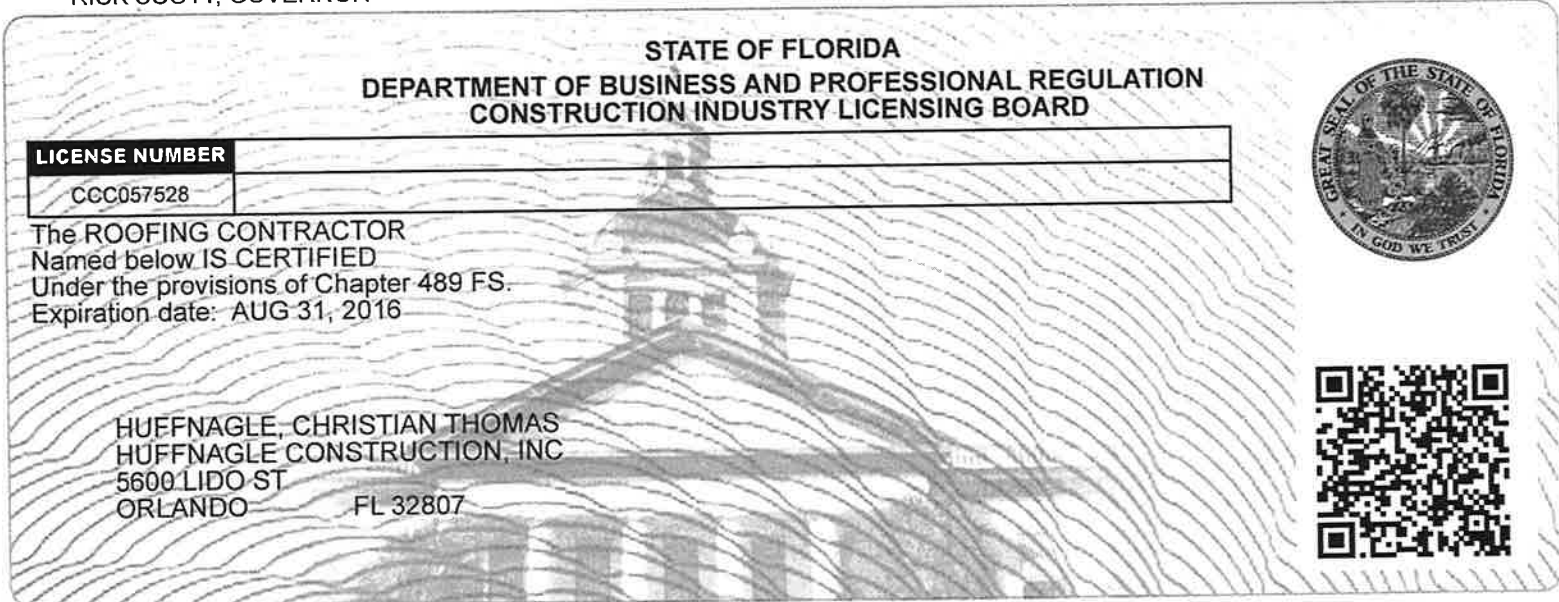
Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY



ISSUED: 08/31/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1408310003646

