



City of Belle Isle Job Site Card ROOFING PERMIT 2018-04-026

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

Permit Number 2018-04-026

Issue Date: 04-10-2018

Site Address: 5020 Belleville Ave. 32812

Parcel Number: 17-23-30-4379-01-920

Subdivision:

Class: Residential

Description of Work: Roof 2963 SQFT. Asphalt Shingles

Issued To: CENTRAL HOMES LLC

Business Phone: 407 732-7262

Name: DALMAU, FRANCISCO JOSE

Contractor License CCC1330609

Payment Date & Method: 4 / 12 / 2018

Visa Master Card Amex Discover Check / Money Order # 4866

Schedule Inspections via Email at: BDscheduling@universalengineering.com

SCHEDULE INSPECTIONS BY 4PM CUT OFF TIME

Inspection Results Will Be Sent Out the Following Business Day

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

| ROOF | INSPECTOR | DATE | COMMENTS |
|-----------------|-----------|------|----------|
| 700 In-progress | | | |
| 710 Final | | | |
| | | | |

Inspection requests are to be emailed to BDscheduling@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.



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32817
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

RECEIVED
APR 10 2018

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: 4/9/18

ROOF PERMIT NUMBER 2018-01-026

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

Project Address 5020 Belleville Ave, Belle Isle, FL 32809 X 32812

Property Owner Peterson, Jerome G, Linda M Hyder Peterson Phone 407-394-6880

Property Owner's Mailing Address 5020 Belleville Ave City Belle Isle

State FL Zip Code 32812 Parcel Id Number: 17-23-30-4379-01-920

REQUIRED! To obtain this information, please visit <http://www.ocpaff.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 Form – NOTE: Installation instructions must be posted on-site before your first inspection!!

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

Roof Square Footage: 2963 Number of Stories: 1 Job Valuation: \$ 13,599.00

Type: Asphalt Shingles Metal Modified Bitumen Other: _____

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

LICENSE HOLDER SIGNATURE FD Damav LICENSE # CCC 1330609

LICENSE HOLDER NAME Francisco DAMAV COMPANY NAME Central Homes

Street Address 1182 N Ronald Reagan Blvd

City Longwood State FL Zip Code 32750 Phone Number 407-732-7262

Email Address centralhomesoffice@gmail.com

| | |
|------------------|------------------|
| Zoning Fee | \$ <u>30</u> |
| Building Fee | \$ <u>90</u> |
| Review Fee | \$ <u>-</u> |
| 1% BCAIB Fee | \$ <u>2.00</u> |
| 1.5% DCA Fee | \$ <u>2.00</u> |
| Total Permit Fee | \$ <u>124.00</u> |

Building Official: SM Date 4-10-18

Verified Contractor's Licenses & Insurance are on file JK Date 4-10-2018

02/1/18
LIABILITY EXPIRES 4/3/2018

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.

13x5
1st LF
25
65
90

PAID
4-10-2018
VISA 4866

Permit Number: 208-04-026
Folio/Parcel Identification Number: 17-23-30-4379-01-920
Prepared by: Ray Maltby Rapid Response Team, LLC
250 Altamonte Commerce Blvd
Altamonte Springs, FL 32714
Return to: Rapid Response Team, LLC.
250 Altamonte Commerce Blvd
Altamonte Springs, FL 32714



NOTICE OF COMMENCEMENT

State of Florida, County of Orange

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

- Description of property** (legal description of the property, and street address if available)
Lake Conway Estates Section 3 Y/19 Lot 192 5020 Belleville Ave Belle Isle, FL 32812
- General description of improvement**
complete tear off and reroof
- Owner information or Lessee information if the Lessee contracted for the improvement**
Name Jerome G Peterson, Linda M. Hyder-Peterson
Address 5020 Belleville Ave Belle Isle FL 32812
Interest in Property Owner
Name and address of fee simple titleholder (if different from Owner listed above)
Name N/A
Address N/A
- Contractor**
Name Central Homes, LLC Telephone Number 407-732-7262
Address 1182 N. Ronald Reagan Blvd. Longwood, FL 32750
- Surety** (if applicable, a copy of the payment bond is attached)
Name N/A Telephone Number N/A
Address N/A Amount of Bond \$ N/A
- Lender**
Name N/A Telephone Number N/A
Address N/A
- 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 N/A Telephone Number N/A
Address N/A
- 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 N/A Telephone Number N/A
Address N/A
- Expiration date of notice of commencement** (the expiration date may not be before the completion of construction and final payment to the contractor, but will be 1 year from the date of recording unless a different date is specified) _____

State of Florida, County of Orange
I hereby certify that this is a true copy of
the document as reflected in the Official Records
BY: PHIL DIAMOND, COUNTY COMPTROLLER
D.C.
DATE: 4-10-18

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.

Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the facts stated in it are true to the best of my knowledge and belief.

Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager _____
Signatory's Title/Office OWNER

The foregoing instrument was acknowledged before me this 26 day of MARCH 2018 by JEROME G PETERSON
as OWNER for JEROME G PETERSON
Type of authority, e.g., officer, trustee, attorney in fact Name of party on behalf of whom instrument was executed

Signature of Notary Public - State of Florida _____
Notary Public State of Florida Name of Notary Public
Raymond H Maltby
My Commission FF 230140
Expires 05/12/2019

Personally Known _____ OR Produced ID
Type of ID Produced DRIVERS LICENSE



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: 4/9/18

PERMIT # 2018-04-026

PROJECT ADDRESS 5020 Belleview Ave

Belle Isle, FL 32809 ~~X~~ 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:

- NOTE:** The installation instructions must be posted on-site before your first inspection!!

| Product Type | Manufacturer | Model/Series | FL Product Approval # | Product Type | Manufacturer | Model/Series | FL Product Approval # |
|------------------------------|--------------|--------------|-----------------------|-------------------------|--------------------|--------------|-----------------------|
| EXTERIOR DOORS | | | | WALL PANELS | | | |
| Swinging | | | | Sliding | | | |
| Sliding | | | | Soffits | | | |
| Sectional/Rollup | | | | Storefront | | | |
| Other | | | | Glass Block | | | |
| | | | | Other | | | |
| WINDOWS | | | | ROOFING PRODUCTS | | | |
| Single/Dbi Hung | | | | Asphalt Shingles | Certified LandMark | 5444-R12 | |
| Horizontal Slider | | | | Non Struct Metal | | | |
| Casement | | | | Roofing Tiles | | | |
| Fixed | | | | Single Ply Roof | Rhin | synthetic | 15216 R3 |
| Mullion | | | | Underlayment | | | |
| Skylights | | | | Other | | | |
| Other | | | | | | | |
| STRUCTURAL COMPONENTS | | | | OTHER | | | |
| Wood Connectors | | | | | | | |
| Wood Anchors | | | | | | | |
| Truss Plates | | | | | | | |
| Insulation Forms | | | | | | | |
| Lintels | | | | | | | |
| Other | | | | | | | |

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

Applicant Signature

F. Dae

Date

4/9/18



Product Approval
USER: Public User

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

OFFICE OF THE
SECRETARY

| | |
|--|---|
| FL # | FL15216-R3 |
| Application Type | Revision |
| Code Version | 2017 |
| Application Status | Approved |
| Comments | |
| Archived | <input type="checkbox"/> |
| Product Manufacturer | InterWrap, Inc. |
| Address/Phone/Email | 32923 Mission Way Mission, NON-US 00000 (551) 574-2939 mtupas@interwrap.com |
| Authorized Signature | Eduardo Lozano elozano@interwrap.com |
| Technical Representative | Eduardo Lozano |
| Address/Phone/Email | 32923 Mission Way Mission, NON-US 00000 (778) 945-2891 elozano@interwrap.com |
| 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 <input type="checkbox"/> Evaluation Report - Hardcopy Received |
| Florida Engineer or Architect Name who developed the Evaluation Report | Robert Nieminen |
| Florida License | PE-59166 |
| Quality Assurance Entity | Intertek Testing Services NA, Inc. - QA Entity |
| Quality Assurance Contract Expiration Date | 09/30/2019 |
| Validated By | John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received |
| Certificate of Independence | FL15216 R3 COI 2017 01 COI Nieminen.pdf |
| Referenced Standard and Year (of Standard) | Standard ASTM D1970 (tear) |
| | Year 2015 |



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

Interwrap, Inc.
32923 Mission Way
Mission, BC V2V-6E4 Canada
(551) 574-2939

Evaluation Report I40510.02.12-R3
FL15216-R3
Date of Issuance: 02/17/2012
Revision 3: 10/10/2017

SCOPE:

This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code and Florida Building Code, Residential Volume. The products described herein have been evaluated for compliance with the **6th Edition (2017) Florida Building Code** sections noted herein.

DESCRIPTION: RhinoRoof Underlayments

LABELING: Labeling shall be in accordance with the requirements the Accredited Quality Assurance Agency noted herein.

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.

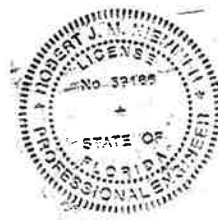
ADVERTISEMENT: The Evaluation Report number preceded by the words "Trinity|ERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

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 3.

Prepared by:

Robert J.M. Nieminen, P.E.
Florida Registration No. 59166, Florida DCA ANE1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 10/10/2017. This does not serve as an electronically signed document.

CERTIFICATION OF INDEPENDENCE:

1. Trinity|ERD does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. Trinity|ERD is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

ROOFING COMPONENT EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Underlayment

Compliance Statement: RhinoRoof Underlayments, as produced by Interwrap, Inc., has demonstrated compliance with the following sections of the 6th Edition (2017) Florida Building Code through testing in accordance with applicable sections of the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

| <u>Section</u> | <u>Properties</u> | <u>Standard</u> | <u>Year</u> |
|---------------------|--|-----------------|-------------|
| 1507.1.1, T1507.1.1 | Unrolling, Breaking Strength, Pliability | ASTM D226 | 2009 |
| 1507.1.1 | Tear Strength | ASTM D1970 | 2015 |

3. REFERENCES:

| <u>Entity</u> | <u>Examination</u> | <u>Reference</u> | <u>Date</u> |
|---------------|---------------------------|----------------------|-------------|
| ITS (TST1509) | Physical Properties | 100539395COQ-006 | 10/27/2011 |
| ITS (TST1509) | Physical Properties | 100539395COQ-002 | 10/27/2011 |
| ITS (TST1509) | Physical Properties | 100539395COQ-006 | 03/14/2014 |
| PRI (TST5878) | ASTM D1970; Tear strength | OCF-330-02-02 | 10/03/2017 |
| ITS (QUA1673) | Quality Control | Service Confirmation | 09/30/2017 |

4. PRODUCT DESCRIPTION:

4.1 **RhinoRoof U20** is a multilayered polymer woven coated synthetic roof underlayment available in 42-inch wide rolls, and can be produced in various other sizes; meets FBC 1507.1.1 (Exception).

5. LIMITATIONS:

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

5.2 This Evaluation Report is not for use in FBC HVHZ jurisdictions.

5.3 Fire Classification is not part of this Evaluation Report; refer to current Approved Roofing Materials Directory or test report from accredited testing agency for fire ratings of this product.

5.4 **RhinoRoof Underlayments** may be used with any prepared roof cover where the product is specifically referenced within FBC approval documents. If not listed, a request may be made to the Authority Having Jurisdiction for approval based on this evaluation combined with supporting data for the prepared roof covering.

5.5 Allowable Roof Covers:

| TABLE 1: ROOF COVER OPTIONS | | | | | | |
|-----------------------------|------------------|--------------|--------------|-------|------------------------|--------------------------|
| Underlayment | Asphalt Shingles | Nail-On Tile | Foam-On Tile | Metal | Wood Shakes & Shingles | Slate or Simulated Slate |
| RhinoRoof U20 | Yes | No | No | Yes | Yes | No |

5.6 Exposure Limitations:

RhinoRoof U20 shall not be left exposed for longer than **30-days** after installation.

6. INSTALLATION:

- 6.1 **RhinoRoof Underlayments** shall be installed in accordance with **Interwrap, Inc.** published installation instructions subject to the Limitations set forth in Section 5 herein and the specifics noted below.
- 6.2 Re-fasten any loose decking panels, and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application.

6.3 RhinoRoof U20:

6.3.1 Shall be installed in compliance with the requirements for **ASTM D226, Type I or II** underlayment in **FBC Table 1507.1.1** for the type of prepared roof covering to be installed, taking into account the wider sheet-width for double-layer applications.

6.3.1 Fasteners:

For exposure \leq 24 hours, corrosion resistant fasteners may be 1-inch roofing nails with a 3/8-inch diameter head, or those noted in 6.4.2. The use of staples is prohibited.

For exposure $>$ 24 hours up to maximum 30 days, corrosion resistant fasteners shall be minimum 1-inch diameter plastic or metal cap nails or FBC HVHZ nails & 1-5/8" diameter tin caps (with the rough edge facing up). The use of staples is prohibited.

6.3.2 Single Layer; Roof Slope $>$ 4:12:

End (vertical) laps shall be minimum 6-inches and side (horizontal) laps shall be minimum 4-inches. Refer to Interwrap, Inc. recommendations for alternate lap configurations and/or the use of sealant under certain conditions.

For exposure \leq 24 hours, use of every-other fastening location printed on the surface is acceptable. For exposure $>$ 24 hours up to maximum 30-days, use of every fastening location printed on the surface is required.

When batten systems are to be installed atop the underlayment, the underlayment need only be preliminarily attached pending attachment of the battens on the same day. Battens shall not be positioned over cap nails. If this occurs, remove the cap nail and patch the hole in accordance with Interwrap published instructions.

6.4.3 Double Layer; 2:12 $<$ Roof Slope $<$ 4:12:

End (vertical) laps shall be minimum 12-inches and side (horizontal) laps shall be minimum half-sheet-width plus 1-inch.

Double layer application; begin by fastening a half-width plus 1-inch starter strip along the eaves. Place a full-width sheet over the starter, completely overlapping the starter course. Continue as noted in 6.5, but maintaining minimum half-width plus 1-inch side (horizontal) laps, resulting in a double-layer application.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction in order to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Qingdao, China

9. QUALITY ASSURANCE ENTITY:

Intertek Testing Services NA Inc. – QUA1673; (608) 836-4400

- END OF EVALUATION REPORT -



Product Approval
USER: Public User

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

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| | |
|--|---|
| FL # | FL5444-R13 |
| Application Type | Revision |
| Code Version | 2017 |
| Application Status | Approved |
| Comments | |
| Archived | <input type="checkbox"/> |
| Product Manufacturer | CertainTeed Corporation-Roofing |
| Address/Phone/Email | 20 Moores Road Malvern, PA 19355 (610) 893-5400 mark.d.harner@saint-gobain.com |
| Authorized Signature | Mark Harner mark.d.harner@saint-gobain.com |
| Technical Representative | Mark D. Harner |
| Address/Phone/Email | 18 Moores Road Malvern, PA 19355 (610) 651-5847 Mark.D.Harner@saint-gobain.com |
| Quality Assurance Representative | |
| Address/Phone/Email | |
| Category | Roofing |
| Subcategory | Asphalt Shingles |
| Compliance Method | Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received |
| Florida Engineer or Architect Name who developed the Evaluation Report | Robert Nieminen |
| Florida License | PE-59166 |
| Quality Assurance Entity | UL LLC |
| Quality Assurance Contract Expiration Date | 03/09/2020 |
| Validated By | John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received |
| Certificate of Independence | FL5444 R13 COI 2018 01 COI NIEMINEN.pdf |
| Referenced Standard and Year (of Standard) | Standard ASTM D3161 |
| | Year 2016 |

ASTM D3462
ASTM D7158

2010
2011

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

01/24/2018

Date Validated

01/29/2018

Date Pending FBC Approval

01/30/2018

Date Approved

04/10/2018

Summary of Products

| FL # | Model, Number or Name | Description |
|--|-----------------------------------|--|
| 5444.1 | CertainTeed Asphalt Roof Shingles | 3-tab, 4-tab, strip (no-cut-outs), laminated and architectural asphalt roof shingles |
| 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 R13 II 2018 01 FINAL ER CERTAINTEED ASPHALT SHINGLES FL5444-R13.pdf Verified By: Robert Nieminen, PE PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL5444 R13 AE 2018 01 FINAL ER CERTAINTEED ASPHALT SHINGLES FL5444-R13.pdf Created by Independent Third Party: Yes |

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[Next](#)

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

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

Product Approval Accepts:



Credit Card
Safe

SECURITYMETRICS



NEMO|etc.

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

ENGINEER

EVALUATE

TEST

CONSULT

CERTIFY

EVALUATION REPORT

CertainTeed Corporation

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

Evaluation Report 3532.09.05-R14

FL5444-R13

Date of Issuance: 09/22/2005

Revision 14: 01/24/2018

SCOPE:

This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code and Florida Building Code, Residential Volume. The products described herein have been evaluated for compliance with the **6th Edition (2017) Florida Building Code** sections noted herein.

DESCRIPTION: CertainTeed Asphalt Roof Shingles.

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

CONTINUED COMPLIANCE: This Evaluation Report is valid until 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. of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO|etc. requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

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

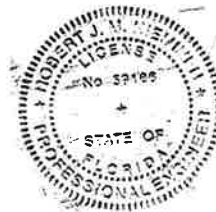
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 13.

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 01/24/2018. This does not serve as an electronically signed document.

CERTIFICATION OF INDEPENDENCE:

1. NEMO|etc. does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO|etc. is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO|etc. nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

ROOFING SYSTEMS EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Asphalt Shingles

Compliance Statement: CertainTeed Asphalt Roof Shingles, as produced by CertainTeed Corporation, have demonstrated compliance with the following sections of the 6th Edition (2017) Florida Building Code and 6th Edition (2017) Florida Building Code, Residential Volume through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

| <u>Section</u> | <u>Property</u> | <u>Standard</u> | <u>Year</u> |
|------------------------|---------------------|-----------------|-------------|
| 1507.2.5, R905.2.4 | Physical Properties | ASTM D3462 | 2010 |
| 1507.2.7.1, R905.2.6.1 | Wind Resistance | ASTM D3161 | 2016 |
| 1507.2.7.1, R905.2.6.1 | Wind Resistance | ASTM D7158 | 2011 |

3. REFERENCES:

| <u>Entity</u> | <u>Examination</u> | <u>Reference</u> | <u>Date</u> |
|-------------------|---------------------------|----------------------|-----------------|
| UL (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 (TST 9628) | ASTM D3161, D3462 & D7158 | 4787380356 | 10/26/2016 |
| UL LLC (TST 9628) | ASTM D3462 | 4787380357 | 10/13/2016 |
| UL LLC (TST 9628) | ASTM D7158 | 4787380357 | 11/08/2016 |
| UL LLC (TST 9628) | ASTM D3161 | 4787380357 | 11/09/2016 |
| UL LLC (TST 9628) | ASTM D3161, D3462 & D7158 | 4787586427 | 01/25/2017 |
| UL LLC (TST 9628) | ASTM D3161 & D3462 | 4788042412 | 11/15/2017 |
| UL LLC (QUA 9625) | Quality Control | Service Confirmation | Exp. 03/09/2020 |

4. PRODUCT DESCRIPTION:

4.1 Asphalt Shingles:

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

4.2 Hip & Ridge Shingles:

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

4.3 Accessory Starter Strips:

- 4.3.1 SwiftStart® Starter Shingle is a starter strip for asphalt roof shingles. Its overall size of 15-1/4" x 38-3/4" yields two (2) 7-5/8" x 38-3/4" starter pieces per shingle.
- 4.4 Any of the above listed shingles may be produced in AR (algae resistant) versions.

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO|etc. nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use within FBC HVHZ jurisdictions.
- 5.3 Fire Classification is not part of this Evaluation Report; refer to current Approved Roofing Materials Directory for fire ratings of this product.
- 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, Shingle 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). Refer to Section 6 for installation requirements to meet this wind rating.
 - 5.4.3 SwiftStart® Starter Shingle has been evaluated in accordance with ASTM D3161, Class F. Refer to Section 6 for installation requirements to meet this wind rating.
 - 5.4.4 Classification by ASTM D7158 applies to exposure category B or C and a building height of 60 feet or less. Calculations by a qualified design professional are required for conditions outside these limitations. Contact the shingle manufacturer for data specific to each shingle.



5.4.4.1 **Analysis in accordance with ASTM D7158** indicates the measured uplift resistance (R_T) for the CertainTeed asphalt Roof shingles listed in Section 4.1 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 **FAC Rule 61G20-3**.

6. INSTALLATION:

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

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

6.2 Installation of asphalt shingles shall comply with the **CertainTeed Corporation** current published instructions, using minimum four (4) nails per shingle in accordance with **FBC 1507.2.7 or Section R905.2.6** and the minimum requirements herein.

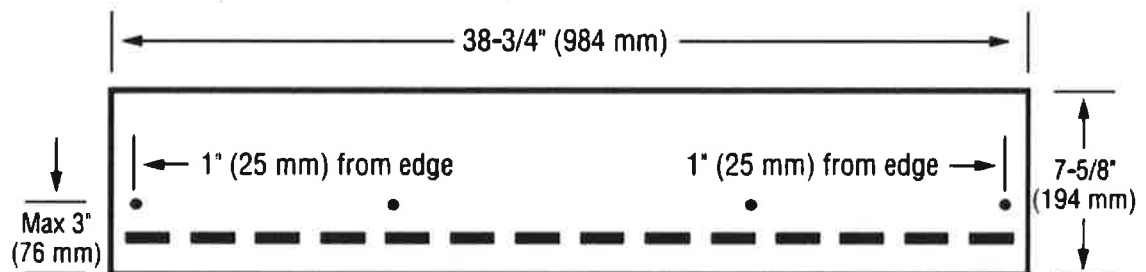
6.2.1 Fasteners shall be in accordance with manufacturer's published requirements, but not less than **FBC 1507.2.6 or R905.2.5**. Staples are not permitted.

6.2.2 Where the roof slope exceeds 21 units vertical in 12 units horizontal, use the "Steep Slope" directions.

6.3 CertainTeed asphalt shingles are acceptable for use in reroof (tear-off) or recover applications, subject to the limitations set forth in **FBC Section 1511 or R908** and CertainTeed published installation instructions.

6.4 SWIFTSTART® STARTER SHINGLE:

Fastening: Use four nails, located as shown below



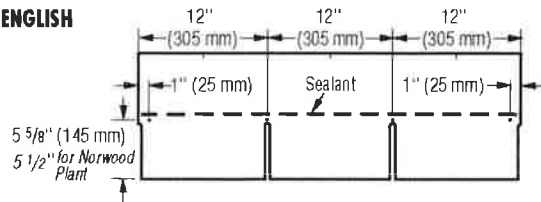
The inner two fasteners must be placed such that they fall at least 3" (76 mm) from the end joints of the shingle in the succeeding course.



6.5 CT20™, XT™ 25, XT™ 30, XT™ 30 IR:

LOW AND STANDARD SLOPE

ENGLISH



METRIC

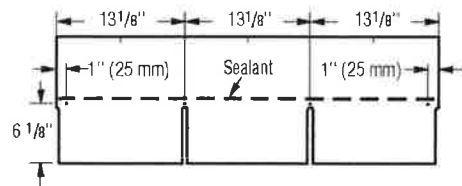
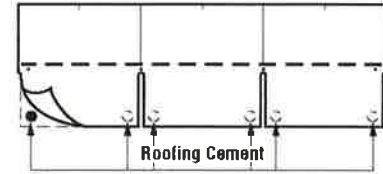


Figure 11-3: Use four nails for every full shingle.

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 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.

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

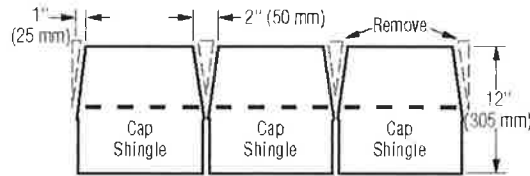


Figure 11-24: Cut tabs, then trim back to make cap shingles (English dimensions shown).

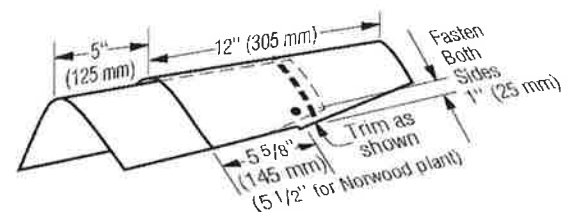


Figure 11-25: Installation of caps along the hips and ridges.

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

6.6 ARCADIA™:

LOW AND STANDARD SLOPE

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

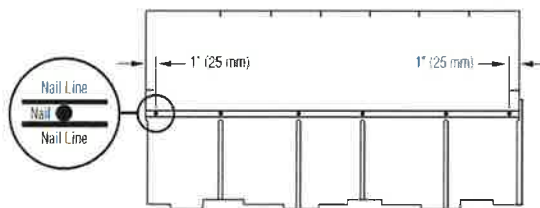


Figure 2: Use six nails for every full shingle.

STEEP SLOPE

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

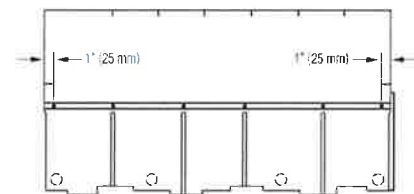
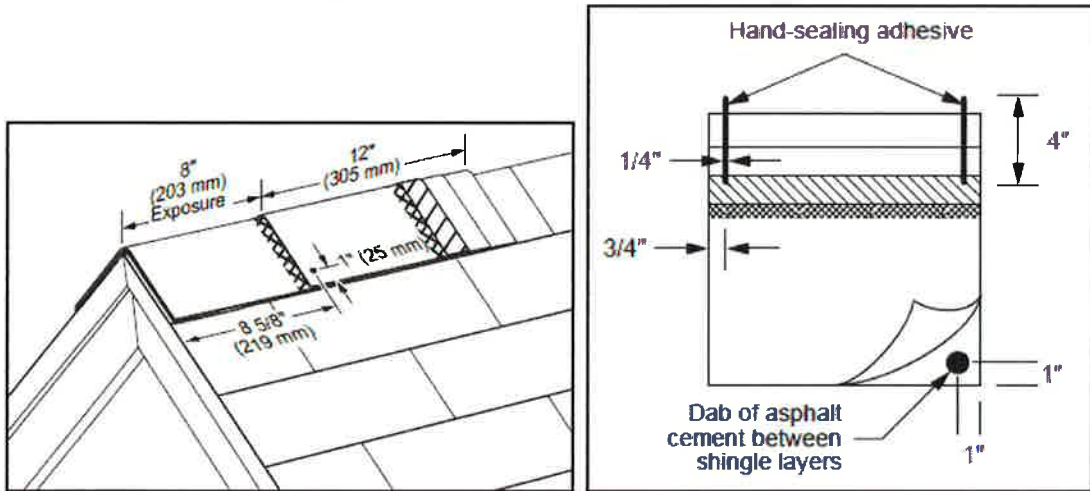


Figure 3: Use six nails and four spots of asphalt roofing cement on steep slopes.

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

Use two (2), minimum 1¼-inch long fasteners per shingle. For the starter shingle, place fastener 1-inch from each side edge and about 2-inch up from the starter shingle’s exposed butt edge, ensuring minimum ¾-inch embedment into the deck, or full penetration through the deck. For each full Cedar Crest shingle, place fasteners 8-5/8-inch up from its exposed butt edge and 1-inch from each side edge.

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

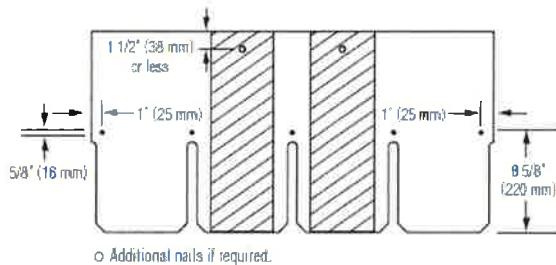


6.7 **BELMONT® OR BELMONT® IR:**

Low and Standard Slope

(2:12 to 21:12):

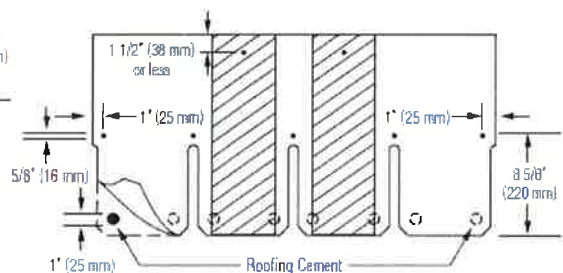
Use **FIVE** nails for every full Belmont shingle, located as shown below.



Steep Slope (greater than 21:12):

Use **SEVEN** nails and **EIGHT** spots of asphalt roofing cement** for every full Belmont shingle. Apply asphalt roofing cement 1" (25mm) from edge of shingle.

See below. Asphalt roofing cement meeting ASTM D4586 Type II is suggested.



6.7.1 **Hip & Ridge for Belmont® or Belmont® IR:**

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

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

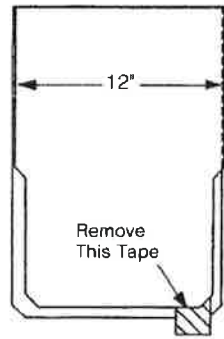


Figure 17-18: Shangle® Ridge.

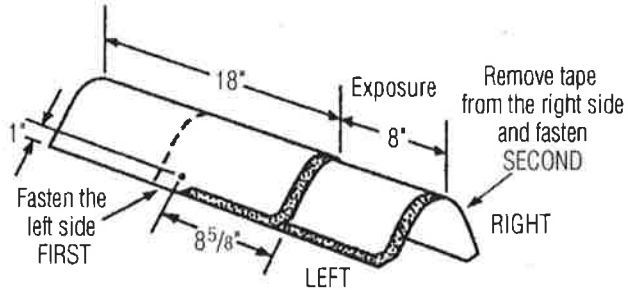


Figure 17-19: Installation of Shangle® Ridge shingles on hips and ridges.

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

6.8 CARRIAGE HOUSE SHANGLE® AND GRAND MANOR SHANGLE®:

LOW AND STANDARD SLOPE

Use five nails for every full Shangle.

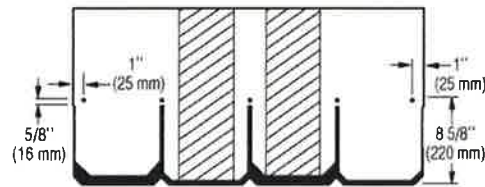


Figure 17-4: Use five nails for every full Grand Manor Shangle, Carriage House Shangle, or Centennial Slate.

STEEP SLOPE

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

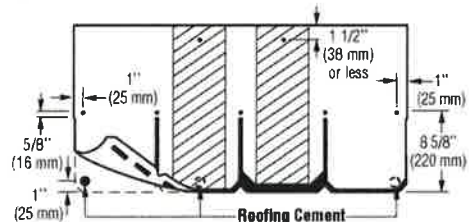


Figure 17-5: When installing Grand Manor Shangles on steep slopes, use seven nails and three spots of asphalt roofing cement.

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

6.9 LANDMARK™, LANDMARK™ IR, LANDMARK™ PRO, LANDMARK™ PREMIUM, LANDMARK™ TL, LANDMARK™ SOLARIS, LANDMARK™ SOLARIS IR, NORTHGATE:

LOW AND STANDARD SLOPE

LANDMARK TL

METRIC DIMENSIONS

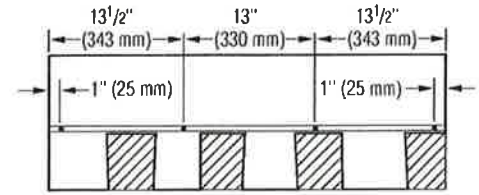
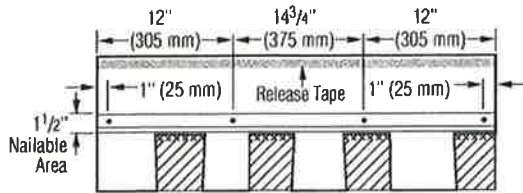
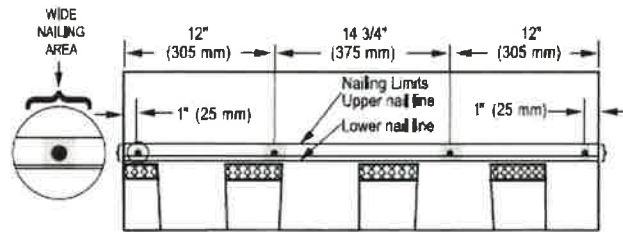


Figure 13-4: Use four nails for every full shingle.

NorthGate:



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

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.

LANDMARK TL

METRIC DIMENSIONS

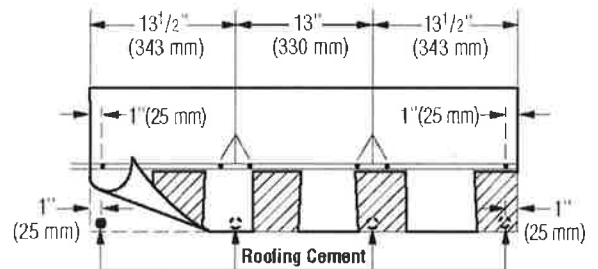
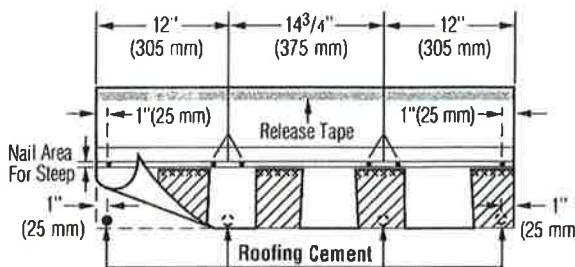
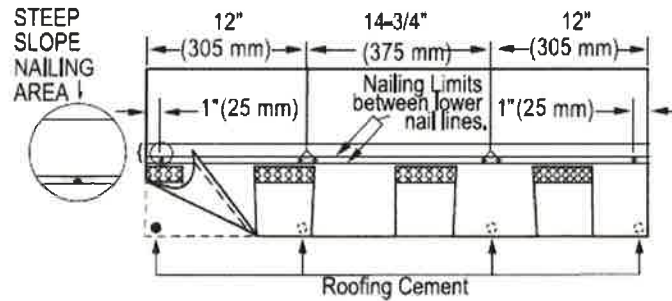


Figure 13-5: Use six nails and four spots of asphalt roofing cement on steep slopes.

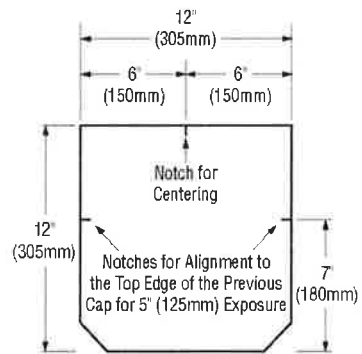
NorthGate:



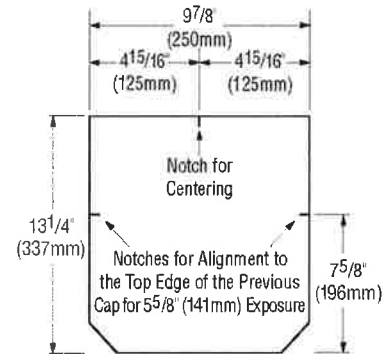
Nailing areas for steep slopes (greater than 21:12) and "Storm-Nailing"
Nail between lower 2 nail lines as shown above.

6.9.1 **Hip & Ridge for Landmark™, Landmark™ IR, Landmark™ Pro, Landmark™ Premium, Landmark™ TL, Landmark™ Solaris, Landmark™ Solaris IR, NorthGate:**

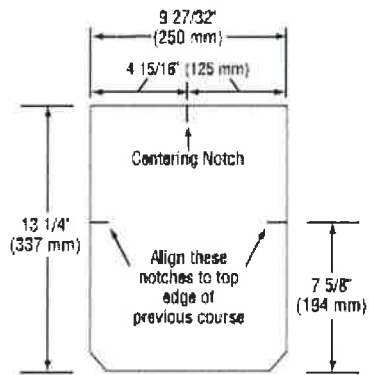
6.9.1.1 **Option 1: Shadow Ridge™ or NothGate Accessory**



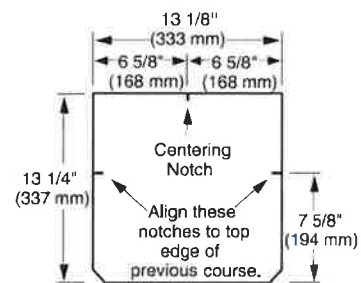
**English Dimension
Shadow Ridge™**



**Metric Dimension
Shadow Ridge™**



NorthGate Ridge



NorthGate Accessory

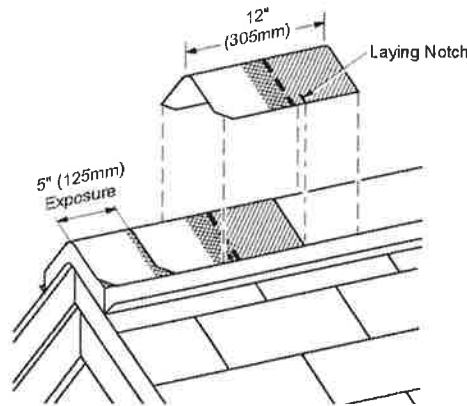


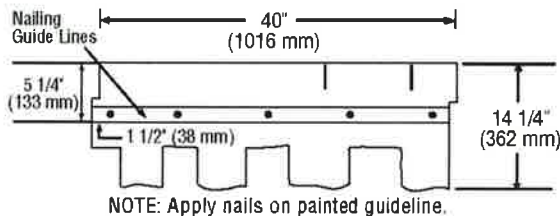
Figure 13-20: Use laying notches to center shingles on hips and ridges, and to locate the correct exposure.

- 6.9.1.2 For **ASTM D3161, Class F** performance use BASF “**Sonolastic® NP1™**” adhesive or Henkel “**PL® Polyurethane Roof & Flashing Sealant**”, in accordance with CertainTeed requirements.
- 6.9.1.3 **Option 2:** Refer to instructions herein for **Cedar Crest™, Cedar Crest™ IR** hip and ridge shingles.

6.10 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.



NOTE: Apply nails on painted guideline.

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.

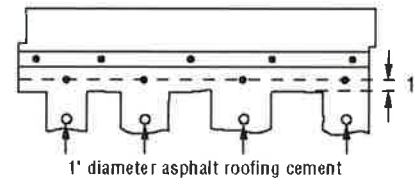


Figure 16-7: Fastening Presidential and Presidential TL Shake shingles on steep slopes.

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

6.10.1.1 Option 1: Presidential Accessory

PRESIDENTIAL ACCESSORY

Presidential accessory shingles can be used for covering hips and ridges. Apply shingles up to the ridge (expose no more than 7" from the bottom edge of the "tooth." Fasten each accessory with two fasteners. The fasteners must be 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.

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



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

6.11 HATTERAS™:

LOW, STANDARD AND STEEP SLOPE:

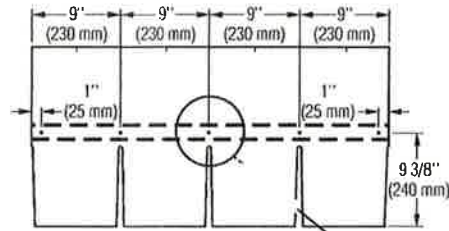


Figure 15-3: Fastening Hatteras Shingles on Low and Standard Slopes

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

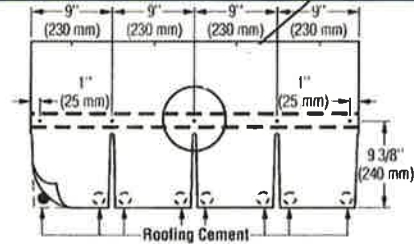


Figure 15-4: Fastening Hatteras Shingles on Steep Slopes

For steep slopes, use five nails and eight spots of asphalt roofing cement for each full Hatteras shingle as shown above. Apply 1" (25 mm) 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.

6.11.1 **Hip & Ridge for Hatteras™:**

6.11.1.1 **Option 1:** Accessory for Hatteras

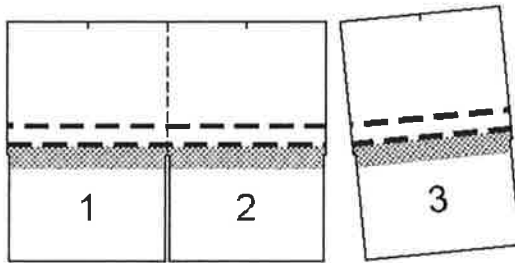
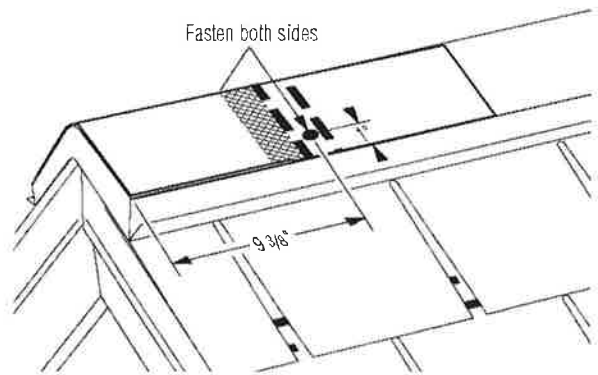


Figure 15-14: 18 three-piece units separate to make 54 Hatteras Accessory shingles.



6.11.1.2 **Option 2:** Cut Hatteras Shingles

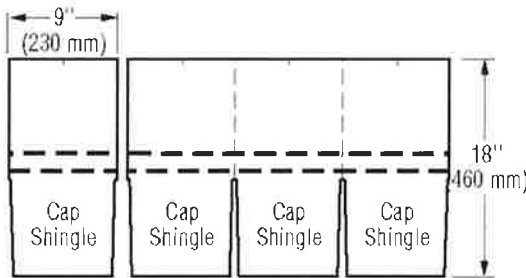


Figure 15-20: Cut Hatteras shingles to make cover cap.

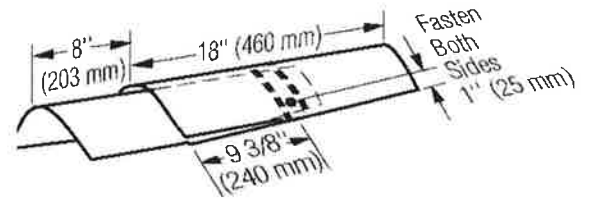


Figure 15-21: Installation of caps along hips and ridges.

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

6.12 HIGHLAND SLATE™, HIGHLAND SLATE™ IR:

LOW AND STANDARD SLOPE:

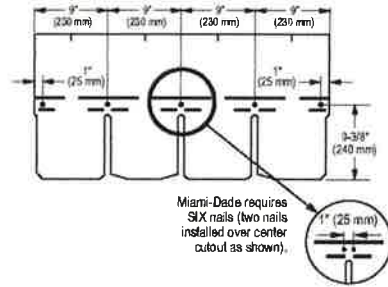


Figure 11-3: Use FIVE nails for every Highland Slate shingle.

STEEP SLOPE:

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

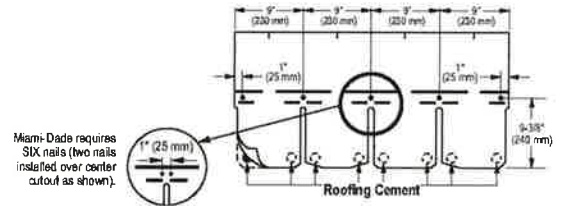


Figure 11-3A: Use FIVE nails and eight spots of asphalt roofing cement under each tab corner.

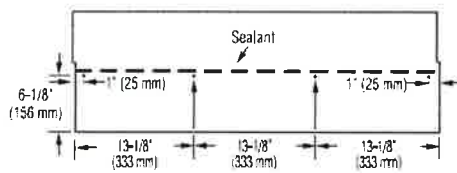
*CAUTION: Excessive use of roofing cement can cause shingles to blister.

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

6.13 PATRIOT™:

LOW AND STANDARD SLOPE

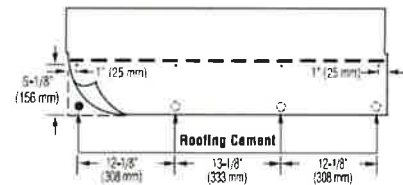
Use FOUR nails for every full shingle located as shown below.



STEEP SLOPE

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

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



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

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 -



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

**CONSTRUCTION INDUSTRY LICENSING BOARD
2601 BLAIR STONE ROAD
TALLAHASSEE FL 32399-0783**

(850) 487-1395

**DALMAU, FRANCISCO JOSE
CENTRAL HOMES LLC
1225 BENNETT DR # 111
LONGWOOD FL 32750**

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

MATILDE MILLER, INTERIM SECRETARY

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

LICENSE NUMBER

CCC1330609

The ROOFING CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2018

**DALMAU, FRANCISCO JOSE
CENTRAL HOMES LLC
1445 DOLGNER PL
SANFORD FL 32771**



CERTIFICATE OF LIABILITY INSURANCE

Date
2/15/2018

Producer: Plymouth Insurance Agency
2739 U.S. Highway 19 N.
Holiday, FL 34691
(727) 938-5562

This Certificate is issued as a matter of information only and confers no rights upon the Certificate Holder. This Certificate does not amend, extend or alter the coverage afforded by the policies below.

Insured: South East Personnel Leasing, Inc. & Subsidiaries
2739 U.S. Highway 19 N.
Holiday, FL 34691

| Insurers Affording Coverage | | NAIC # |
|-----------------------------|------------------------|--------|
| Insurer A: | Lion Insurance Company | 11075 |
| Insurer B: | | |
| Insurer C: | | |
| Insurer D: | | |
| Insurer E: | | |

Coverages

The policies of insurance listed below have been issued to the insured named above for the policy period indicated. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions, and conditions of such policies. Aggregate limits shown may have been reduced by paid claims.

| INSR LTR | ADDL INSRD | Type of Insurance | Policy Number | Policy Effective Date (MM/DD/YY) | Policy Expiration Date (MM/DD/YY) | Limits | | | | | | | | | |
|------------------------------|-------------|---|---------------|----------------------------------|-----------------------------------|---|---|---------------------|-------|--------------------|-------------|----------------------------|-------------|------------------------------|-------------|
| | | GENERAL LIABILITY <input type="checkbox"/> Commercial General Liability <input type="checkbox"/> Claims Made <input type="checkbox"/> Occur <hr/> General aggregate limit applies per: <input type="checkbox"/> Policy <input type="checkbox"/> Project <input type="checkbox"/> LOC | | | | Each Occurrence | \$ | | | | | | | | |
| | | | | | | Damage to rented premises (EA occurrence) | \$ | | | | | | | | |
| | | | | | | Med Exp | \$ | | | | | | | | |
| | | | | | | Personal Adv Injury | \$ | | | | | | | | |
| | | | | | | General Aggregate | \$ | | | | | | | | |
| | | | | | | Products - Comp/Op Agg | \$ | | | | | | | | |
| | | AUTOMOBILE LIABILITY <input type="checkbox"/> Any Auto <input type="checkbox"/> All Owned Autos <input type="checkbox"/> Scheduled Autos <input type="checkbox"/> Hired Autos <input type="checkbox"/> Non-Owned Autos | | | | Combined Single Limit (EA Accident) | \$ | | | | | | | | |
| | | | | | | Bodily Injury (Per Person) | \$ | | | | | | | | |
| | | | | | | Bodily Injury (Per Accident) | \$ | | | | | | | | |
| | | | | | | Property Damage (Per Accident) | \$ | | | | | | | | |
| | | EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> Occur <input type="checkbox"/> Claims Made <input type="checkbox"/> Deductible | | | | Each Occurrence | | | | | | | | | |
| | | | | | | Aggregate | | | | | | | | | |
| A | | Workers Compensation and Employers' Liability Any proprietor/partner/executive officer/member excluded? NO If Yes, describe under special provisions below. | WC 71949 | 01/01/2018 | 01/01/2019 | X | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">WC Statutory Limits</td> <td style="width: 50%;">OTHER</td> </tr> <tr> <td>E.L. Each Accident</td> <td style="text-align: right;">\$1,000,000</td> </tr> <tr> <td>E.L. Disease - Ea Employee</td> <td style="text-align: right;">\$1,000,000</td> </tr> <tr> <td>E.L. Disease - Policy Limits</td> <td style="text-align: right;">\$1,000,000</td> </tr> </table> | WC Statutory Limits | OTHER | E.L. Each Accident | \$1,000,000 | E.L. Disease - Ea Employee | \$1,000,000 | E.L. Disease - Policy Limits | \$1,000,000 |
| WC Statutory Limits | OTHER | | | | | | | | | | | | | | |
| E.L. Each Accident | \$1,000,000 | | | | | | | | | | | | | | |
| E.L. Disease - Ea Employee | \$1,000,000 | | | | | | | | | | | | | | |
| E.L. Disease - Policy Limits | \$1,000,000 | | | | | | | | | | | | | | |

Other

Lion Insurance Company is A.M. Best Company rated A (Excellent). AMB # 12616

Descriptions of Operations/Locations/Vehicles/Exclusions added by Endorsement/Special Provisions:

Client ID: 93-67-469

Coverage only applies to active employee(s) of South East Personnel Leasing, Inc. & Subsidiaries that are leased to the following "Client Company":

Central Homes LLC dba Central Homes Roofing and Flooring

Coverage only applies to injuries incurred by South East Personnel Leasing, Inc. & Subsidiaries active employee(s), while working in: FL.

Coverage does not apply to statutory employee(s) or independent contractor(s) of the Client Company or any other entity.

A list of the active employee(s) leased to the Client Company can be obtained by faxing a request to (727) 937-2138 or by calling (727) 938-5562.

Project Name:

ISSUE 02-15-18 (BP)

Begin Date: 8/24/2015

CERTIFICATE HOLDER

CITY OF BELLE ISLE

1600 NELA AVENUE
BELLE ISLE, FL 32809

CANCELLATION

Should any of the above described policies be cancelled before the expiration date thereof, the issuing insurer will endeavor to mail 30 days written notice to the certificate holder named to the left, but failure to do so shall impose no obligation or liability of any kind upon the insurer, its agents or representatives.





SEMINOLE COUNTY BUSINESS TAX RECEIPT

JOEL M. GREENBERG, SEMINOLE COUNTY TAX COLLECTOR

PO BOX 630 | SANFORD, FL 32772 | 407-665-1000

WWW.SEMINOLECOUNTY.TAX

VALID THROUGH 09/30/18

**CENTRAL HOMES LLC
1182 N RONALD REAGAN BLVD
LONGWOOD, FL 32750**

Account #: 192459

FRANCISCO J DALMAU (OWNER)

**REGULATED
License # - CCC1330609
Qualifier- FRANCISCO JOSE DALMAU**

Receipt #: 33012017102602622

Amount Paid: \$ 3.00

Date Paid: 10/26/2017

BUSINESS OWNER, PLEASE NOTE THE FOLLOWING:

• **DISPLAY THE ABOVE RECEIPT PROMINENTLY:** This Business Tax Receipt shall be displayed conspicuously at the place of business in such a manner that it can be open to the view of the public and subject to inspection by all duly authorized officers of the County. Upon failure to do so the business shall be subject to the payment of another business tax for the same business or profession.

• **RENEW THIS TAX BEFORE IT EXPIRES:** Pursuant to Florida Statutes, all Business Tax Receipts shall be issued by the Tax Collector beginning July 1st of each year, and it shall expire on September 30th of the succeeding year. Those Business Tax Receipts issued as renewal accounts beginning October 1st shall be delinquent and subject to a delinquency penalty of 10% for the month of October, plus an additional 5% penalty for each month of delinquency thereafter until paid; provided that the total penalty shall not exceed 25% of the business tax for the delinquent establishment (Florida Statute [FS] 205.053 [1]).

A 25% penalty shall be imposed on any individual engaged in any new business or profession without first obtaining a Seminole County Business Tax receipt ([FS] 205.053 [2]).

This Business Tax Receipt is only a receipt for business taxes paid. It does not permit the taxpayer to violate any existing regulatory or zoning laws of the state, county, or municipality, nor does it exempt the taxpayer from any other required licenses, registrations, certifications, or permits. Business Tax requirements are subject to legislative change.

• **REPORT ALL CHANGES:** The holder of this Business Tax Receipt is required to report a change in the following: Ownership, Business Location, Mailing Address, or any other information that would alter the status of the current year's information. This includes, but is not limited to, the loss of or a change in a State or Regulatory License which was used to qualify for the business identified on the current County Business Tax Receipt. If you have any changes to report, contact the Business Tax Department at 407-665-7636.

**CENTRAL HOMES LLC
1182 N RONALD REAGAN BLVD
LONGWOOD, FL 32750**