



City of Belle Isle Job Site Permit Card

ROOF 2022-04-031

Class: Residential

Site Address: 5332 Hawford Cir. Belle Isle, FL 32812

Parcel Number: 20-23-30-9375-00-560

Municipality: Belle Isle

Description of Work:

ROOF for SFR NEW ADDITION

Number of Stories: One

ASPHALT SHINGLES with underlayment Square Footage: 1,700.

Comments: SEE APPLICATION

Issued: Central Homes LLC. - Dalmau, Francisco

License # CCC1330609

Contact # 407-732-7262

Payment/ Issued Date & Method: 14 April / 2022

Picked up by Forwarded to the mailing address

Emailed

Visa Master Card Amex Discover Check / Money Order#

3991

OSHA approved ladder/access to the ROOF must be made available to the Inspector. vs

Table with 4 columns: ROOF, INSPECTOR, DATE, COMMENTS. Rows include NEW ROOFS ONLY, Both new & re-roof (Code 710), and Both new & re-roof (Code 720).

To schedule your inspection(s), please visit our website: http://uesbidportal.uesorl.com/citizenportal/ Please follow the prompts to schedule your inspection.

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

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

RECEIVED  
APR 13 2022



**City of Belle Isle**  
 Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
 Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universaleengineering.com](http://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: 4/6/22 ROOF PERMIT NUMBER 2022-04-031  
 PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:

Project Address 5332 Hawford Cir Orlando, Belle Isle, FL 32809<sup>X</sup> 32812  
 Property Owner Danniella Cruz Phone (407) 967-0772  
 Property Owner's Mailing Address 5332 Hawford Cir City Orlando  
 State FL Zip Code 32812 Parcel Id Number: 20-23-30-9375-00-560

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  **MASTER PERMIT #: 2021-12-029**

- **REQUIRED!** Florida Product Approval Form – NOTE: installation instructions must be posted on-site before your first inspection!!
- OSHA Approved Access to the Roof must be made Available to the Inspector

Please indicate the nature of work by completing the information below: Roof for Addition NEW 715

✓ Roof Square Footage: 17 SQ Number of Stories: 1 Job Valuation: \$ 6,250  
 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 JJ's Waste & Recycling 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 JJ's Waste & Recycling at 407 298-3932 setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from JJ's Waste & Recycling. 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 # CCC1330609  
 LICENSE HOLDER NAME FRANCISCO DALMAU COMPANY NAME CENTRAL HOMES LLC  
 Street Address 1920 BOOTHE CIR  
 City LONGWOOD State FL Zip Code 32750 Phone Number 4077327262  
 Email Address S.colon@CHROOF.COM

Zoning Fee	\$ <u>0 new</u>
Building Fee	\$ <u>55.-</u>
Review Fee	\$ <u>27.50</u>
1% BCAIB Fee	\$ <u>2 mn</u>
1.5% DCA Fee	\$ <u>2 mn</u>
Total Permit Fee	\$ <u>86.50</u>

Building Official: OTC Date 13 April 2022  
 ✓ Verified Contractor's Licenses & Insurance are on file [Signature] Date 13 April 2022

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 \_\_\_\_\_

1511X  
6x5  
25  
30  
55.00  
27.50  
82.50

VISA 3991  
**PAID**  
14 April 2022

CONTRACT/PROPOSAL

Central Homes Roofing Longwood  
 1920 Boothe Cr. #200  
 Longwood, FL 32760  
 (407) 732-7282  
 Lic. # CCC-1330609

Sales Representative  
 Richard Swanson  
 (407) 415-5810  
 R.Swanson@chroof.com



Dannielle Cruz  
 5332 Hawford Cir  
 Orlando, FL 32812  
 (407) 967-9772

Estimate #	11237
Date	0/23/2021

Item	Description
<b>PRICE IS LOCATED ON THE SECOND PAGE (PLEASE SCROLL DOWN)</b>	
Removal	Tear off and haul away the existing shingle roof system (one layer). An additional \$35/sq. for removal of each unforeseen additional roof layer will be added.
Roof Sheathing Inspection	Inspect the roof sheathing fastening system and supplement (re-nail).
Underlayment	Supply and install Two (2) layers of Synthetic felt underlayment.
Ventilation	Supply and install new Shingle Over Ridge Vents and/or 4' Off Ridge Vents for proper ventilation.
Drip edge	Supply and install new 2 1/2" eave drip
Pipe Jacks	Supply and install Bulat Rubber boot flashing for plumbing stacks
Valleys	Supply and install a self-adhered peel & stick modified underlayment in all valleys
Certainfeed Landmark per square	Certainfeed Landmark Architectural Shingles per square
New Construction	New construction shingle roof portion
Permits/Inspections	We will obtain and pay for a permit and obtain all required inspections
Dumpster/Haul away debris	Upon completion, all roofing debris will be picked up and taken away.
Warranty	7 year workmanship warranty on labor
Wind Mitigation Report INCLUDED	A wind mitigation inspection is included in this estimate. A wind mitigation report is needed to determine which credits apply to a home reducing your Home Owner's Insurance Premium (it is the homeowner's responsibility to make an appointment for the inspection and send report to your insurance company; this offer expires 30 days after we finish the job and remove dumpster).

Shingle Manufacturer: \_\_\_\_\_ In: \_\_\_\_\_ Shingle Color: \_\_\_\_\_ In: \_\_\_\_\_ Drip Edge Color: \_\_\_\_\_ In: \_\_\_\_\_ Vents Color: \_\_\_\_\_ In: \_\_\_\_\_ Flat Roof Color (if applicable): \_\_\_\_\_ In: \_\_\_\_\_

Item	Description
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**FLAT ROOF CLAUSE-** If the Client's Property has an existing flat roof, and the Client is requesting Central Homes to provide its services on any portion of the flat roof, Central Homes advises the Client to request tapered insulation package on the flat roof instead of requesting Central Homes to re-install the flat roof without a tapered insulation package. A tapered insulation package creates positive drainage with the addition of at least 1/4" per foot slope to any flat surface that will bring the roof into compliance with Florida Building Code. There will be an increase in cost to install the tapered insulation package, however the roof permit for the Work will not be approved without the tapered installation package addition to the Client's flat roof. If the Client declines to add a slope to the existing flat roof via a tapered insulation package or any method whereby a slope is produced, the Client assumes any and all liabilities associated with the non-positive drainage flat roof. Central Homes will not be responsible for any existing structural imperfections that causes water to puddle or pool, or be responsible to repair the flat roof without payment from the Client for the Work. If the roof permit does not pass inspection due to insufficient slope, water puddling, and/or water pooling, Central Homes will be required to remove the existing roof, install a tapered insulation package, and then install a second new roof. If this additional Work will need to be performed, the Client will be required to pay Central Homes \$950.00 per square in addition to the original price as stated on the estimate. If the Client's Property has an existing flat roof, the Client must initial here to decline a tapered installation package. If the Client does not initial here, the Client agrees to and accepts the installation of a tapered insulation package by Central Homes as stated on the estimate.

**MOA CLAUSE-** It is the Homeowner's responsibility to obtain MOA approval for shingles and colors for their property.

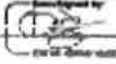
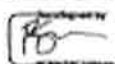
**SOLAR / WATER HEATER PANEL CLAUSE-** It is the homeowner's responsibility to hire a licensed solar/water heater panel company to detach panels before roof work begins. Reattach AFTER ROOF FINAL INSPECTION.

**SATELLITE DISH CLAUSE-** Central Homes will detach the satellite dish. It is the responsibility of the homeowner to call the service provider and schedule the re-installation and the calibration of the satellite dish after the roof is complete.

**PLUMBING CLAUSE-** If your home has been recently re-piped (new pipes are commonly run through attic spaces) it is the homeowner's responsibility to make sure their plumbing pipes are fastened at least 3" away from roof decking as to avoid nail punctures during the roof installation. Central Homes is neither responsible nor liable for any plumbing damaged during or after work.

Any unforeseen decking repairs and/or wood rot repair will be done at a cost of \$100.00 per sheet of plywood and/or \$8.00 per lineal foot of fascia.

**Payment Terms:** I, THE HOMEOWNER AGREE TO PAY THE balance due upon completion of scope of work. Central Homes must pay our suppliers and workers immediately to avoid liens to your property. If you're waiting on insurance proceeds we ask that you pay deductible and first check upon receiving check(s) and/or completion of scope of work. This proposal is null and void if not accepted within 10 days of the date referenced in this proposal due to price volatility in asphalt-related products. I have read and accept the Additional Terms and Conditions printed on the back of this page. The prices, specifications and conditions of this proposal are satisfactory and are hereby accepted and Central Homes LLC is authorized to do the work as specified. Payments will be made as outlined in this proposal.

Homeowner Name Daniella Cruz  
 Homeowner Signature  Date 11/11/2021  
 Central Homes Rep. 

Sub Total	\$0,250.00
Total	\$0,250.00

**TERMS AND CONDITIONS**



**City of Belle Isle**  
 1600 Nela Avenue, Belle Isle, FL 32809  
 Tel 407-851-7730 \* Fax 407-240-2222 \* [www.cityofbelleislefl.org](http://www.cityofbelleislefl.org)

## Product Approval Form

DATE: 4/6/22

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

PROJECT ADDRESS 5332 Hawford Cir Orlando

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](http://www.floridabuilding.org) or can be obtained from the local product supplier. The following information must be turned in with permit application and available onsite for inspections.

1. **This Product Approval Cover Sheet**
2. **Internet screen showing PA#, approval and code edition stamped**
3. **Manufacturer's installation details 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			
Underlayment				Other			
WINDOWS				ROOFING PRODUCTS			
Single/Dbt Hung				Asphalt Shingles	Certainteed	Landmark	FL5444R17
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Other			
Skylights				Underlayment	Owens Corning	Rhino Synthetic	FL15216R10
Other				Vents	Certainteed	Ridge Vents	FL21414R5
STRUCTURAL COMPONENTS				OTHER			
Wood Connectors				Vents			
Wood Anchors				Vents			
Truss Plates				Vents			
Insulation Forms				Vents			
Lintels				Vents			
Other				Vents			

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 J. Adam

Date 4/6/22

*CertainTeed Shingle*



**Product Approval**  
USER: Public User

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

OFFICE OF THE SECRETARY

**FL #**  
**Application Type**  
**Code Version**  
**Application Status**

**FL5444-R17**  
 Revision  
 2020  
 Approved

**Comments**  
 Archived

**Product Manufacturer**  
**Address/Phone/Email**

**CertainTeed, LLC (Roofing)**  
 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**  
**Address/Phone/Email**

Mark D. Harner  
 18 Moores Road  
 Malvern, PA 19355  
 (610) 651-5847  
 Mark.D.Harner@saint-gobain.com

**Quality Assurance Representative**  
**Address/Phone/Email**

**Category**  
**Subcategory**

**Roofing**  
**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**

11/13/2022

**Validated By**

John W. Knezevich, PE

Validation Checklist - Hardcopy Received

**Certificate of Independence**

[FL5444 R17 COI 2021 01 COI NIEMINEN.pdf](#)

**Referenced Standard and Year (of Standard)**

**Standard**

ASTM D3161  
 ASTM D3462  
 ASTM D7158

**Year**

2016  
 2010  
 2019

**Equivalence of Product Standards**  
**Certified By**

**Product Approval Method**

**Method 1 Option D**

**Date Submitted** 08/06/2021  
**Date Validated** 08/09/2021  
**Date Pending FBC Approval** 08/12/2021  
**Date Approved** 10/12/2021

*See Page 110*

**Summary of Products**

FL #	Model, Number or Name	Description
FL 5444 R17 AE 2021 07 20 FINAL ER CERTAINTEED FL5444-R17.pdf	CertainTeed Asphalt Roof Shingles	3-tab, 4-tab, strip (no-cut-outs), laminated and architectural asphalt roof shingles
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to ER Section 5 for Limits of Use		<b>Installation Instructions</b> <a href="#">FL5444 R17 II 2021 07 20 FINAL ER CERTAINTEED FL5444-R17.pdf</a> Verified By: Robert Nieminen, PE PE-59166 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL5444 R17 AE 2021 07 20 FINAL ER CERTAINTEED FL5444-R17.pdf</a> Created by Independent Third Party: Yes

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

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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



**Credit Card  
Safe**





**NEMO | etc.**

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

ENGINEER

EVALUATE

TEST

CONSULT

**EVALUATION REPORT**

**CertainTeed, LLC**  
20 Moores Road  
Malvern, PA 19355  
(610) 893-5400

Evaluation Report 3532.09.05-R18  
FL5444-R17  
Date of Issuance: 09/22/2005  
Revision 18: 07/20/2021

**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. The product described herein has been evaluated for compliance with the 7<sup>th</sup> Edition (2020) Florida Building Code sections noted herein.

**DESCRIPTION:** CertainTeed Asphalt Roof Shingles for use in FBC non-HVHZ jurisdictions

**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 or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.

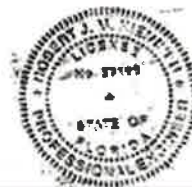
**ADVERTISEMENT:** The Florida Product Approval Number (FL#) preceded by the words "NEMO Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

**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 14.

Prepared by:

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



The forsimde seal appearing was authorized by Robert Nieminen, P.E. on 07/20/2021. This does not serve as an electronically signed document.

**CERTIFICATION OF INDEPENDENCE:**

1. NEMO ETC, LLC 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, LLC 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, LLC 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, LLC, have demonstrated compliance with the following sections of the 7<sup>th</sup> Edition (2020) Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

**2. STANDARDS:**

Section	Property	Standard	Year
1507.2.5, R905.2.4	Material standard	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	2019

**3. REFERENCES:**

Entity	Examination	Reference	Date
PRI (TST 5878)	ASTM D3161	256T0015	08/12/2019
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	04CA32985	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	4786821352	02/21/2015
UL LLC (TST 9628)	ASTM D3161 & D3462	4787195678	02/09/2016
UL LLC (TST 9628)	ASTM D3161, D3462 & D7158	4787592174	10/21/2016
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 (TST 9628)	ASTM D3161, D3462 & D7158	4788362767	03/03/2018
UL LLC (TST 9628)	ASTM D3161, D3462 & D7158	4786570717	11/30/2020
UL LLC (QUA 9625)	Quality Control	Service Confirmation	11/13/2019



NEMO|etc.

4 PRODUCT DESCRIPTION:

TABLE 1: ASPHALT SHINGLE COMPONENTS				
Type	Product	Description	Material Standard	Plant(s)
Starter Strips	High-Performance Starter	Fiberglass reinforced starter shingle, measuring 10" x 36", for use with Grand Manor® and Highland Slate®	ASTM D3462	NC
	Presidential® Starter	Fiberglass reinforced starter shingle, measuring 13-1/4" x 40", with a reinforcement on the underside, for use with Presidential Shake® and Presidential Shake® TL	ASTM D3462	CA(F)
	Presidential® Starter IR	Fiberglass reinforced starter shingle, measuring 13-1/4" x 40", for use with Presidential Shake® IR	ASTM D3462	CA(F)
	SwiftStart® Starter Shingle	Fiberglass reinforced starter strip, measuring 15-1/4" x 38-1/4"	ASTM D3462	MN
	Universal Starter	Fiberglass reinforced starter shingle, measuring 7" x 36", for use with shingles measuring 12" x 36" having a weather exposure ≤ 5"	ASTM D3462	NC
Asphalt Shingles	CT 20™	Fiberglass reinforced, 3-tab asphalt roof shingle	ASTM D3462	LA, NC
	CT 20™ Metric			OR
	XT™ 25			LA, MN, NC, OH
	XT™ 25 Metric			OH, OR
	XT™ 30 IR			LA
	Highland Slate®	Fiberglass reinforced, 4-tab asphalt roof shingle	ASTM D3462	NC
	Arcadia™	Fiberglass reinforced, laminated asphalt roof shingle	ASTM D3462	CA(F)
	Belmont®			NC
	Belmont® IR			NC
	Carriage House®			NC
	Grand Manor®			NC
	Landmark®			CA(W), GA, LA, MA, MD, MN, NC, OH, OR, TX
	Landmark® ClimateFlex®			MN
	Landmark® Pro			CA(W), GA, MA, MD, MN, OH, NC
	Landmark® Pro Architect 80			OR
	Landmark® Pro Solaris®			CA(W)
	Landmark® Premium			CA(W), MA, MN, OR, NC
	Landmark® Solaris®			CA(W), OR
	Landmark® Solaris® Gold/Platinum			OR
	Landmark® TL			CA(F)
	Landmark® TL Solaris			CA(F)
	NorthGate® ClimateFlex®	Fiberglass reinforced, laminated, SBS modified bitumen roof shingle	ASTM D3462	MN, OR
	Presidential Shake®	Fiberglass reinforced, architectural asphalt roof shingle	ASTM D3462	CA(F), MN
Presidential Shake® IR	MN			
Presidential Shake® TL	CA(F), MN			
Presidential Solaris®	CA(F)			
Presidential TL Solaris	CA(F)			
Patriot	Fiberglass reinforced asphalt roof strip-shingle; laminated appearance	ASTM D3462	OH, OR	

Note: Any of the above listed shingles may be produced in AR (algae resistant) versions



Type	Product	Description	Material Standard	Plant(s)
Hip & Ridge Shingles	Shangle Ridge®	Fiberglass reinforced accessory shingles for hip and ridge installation	ASTM D3462	NC
	Shadow Ridge®		ASTM D3462	MA, MI, NC, OH
	Shadow Ridge® Metric		ASTM D3462	OR
	Cedar Crest®		None	NC
	Cedar Crest® IR		None	NC
	Shadow Ridge® ClimateFlex®, 4pc		ASTM D3462	OR
	Shadow Ridge® ClimateFlex®		ASTM D3462	MI

**5. LIMITATIONS:**

- 5.1 This is a Building Code Evaluation. Neither NEMO ETC, LLC 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 High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to FBC 1505 for requirements and limitations regarding roof assembly fire classification. Refer to FBC 2603 for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 Wind Classification: Refer to Section 6 for installation requirements to meet wind classifications.

Product	FBC Table 1507.2.7.1 or R905.2.6.1
CT 20™	ASTM D3161(F) & ASTM D7158(H)
CT 20™ Metric	ASTM D3161(F) & ASTM D7158(H)
XT™ 25	ASTM D3161(F) & ASTM D7158(H)
XT™ 25 Metric	ASTM D3161(F) & ASTM D7158(H)
XT™ 30 IR	ASTM D3161(F) & ASTM D7158(H)
Arcadia™	ASTM D3161(F) & ASTM D7158(H)
Belmont®	ASTM D3161(F) & ASTM D7158(H)
Belmont® IR	ASTM D3161(F) & ASTM D7158(H)
Carriage House®	ASTM D3161(F) & ASTM D7158(H)
Grand Manor®	ASTM D3161(F) & ASTM D7158(H)
Landmark®	ASTM D3161(F) & ASTM D7158(H)
Landmark® ClimateFlex®	ASTM D3161(F) & ASTM D7158(H)
Landmark® Pro	ASTM D3161(F) & ASTM D7158(H)
Landmark® Pro Architect 80	ASTM D3161(F) & ASTM D7158(H)
Landmark Pro Solaris®	ASTM D3161(F) & ASTM D7158(H)
Landmark® Premium	ASTM D3161(F) & ASTM D7158(H)
Landmark Solaris®	ASTM D3161(F) & ASTM D7158(H)
Landmark Solaris® Gold/Platinum	ASTM D3161(F) & ASTM D7158(H)
Landmark® TL	ASTM D3161(F) & ASTM D7158(H)
NorthGate® ClimateFlex®	ASTM D3161(F) & ASTM D7158(H)
Presidential Shake®	ASTM D3161(F) & ASTM D7158(H)



Product	FBC Table 1907.2.7.1 or R905.2.6.1
Presidential Shake® IR	ASTM D3161(F) & ASTM D7158(H)
Presidential Shake® TL	ASTM D3161(F) & ASTM D7158(H)
Presidential Solaris®	ASTM D3161(F) & ASTM D7158(H)
Presidential TL Solaris	ASTM D3161(F) & ASTM D7158(H)
Highland Slate®	ASTM D3161(F) & ASTM D7158(H)
Patriot	ASTM D3161(F) & ASTM D7158(H)

5.5.1 Classification by ASTM D7158:

ASTM D7158, Class H applies only 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.

Analysis in accordance with ASTM D7158 indicates the measured uplift resistance ( $R_1$  or  $R_u$ ) for the CertainTeed asphalt Roof shingles listed in Table 1 (except Presidential Solaris®, Landmark Pro Solaris® and Landmark Solaris® Gold/Platinum) exceeds the calculated uplift force ( $F_1$ ) under the following conditions:

- maximum design wind speed of  $V_{max} = 150$  mph ( $V_{wh} = 194$  mph)
- located in Exposure D conditions
- no topographical variations (flat terrain)
- having a mean roof height less than or equal to 60 feet.

The shingles (except Presidential Solaris®, Landmark Pro Solaris® and Landmark Solaris® Gold/Platinum) 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.

Type	Product	FBC Table 1907.2.7.1 or R905.2.6.1
Starter Strips	High-Performance Starter	ASTM D3161, Class F
	Presidential® Starter	ASTM D3161, Class F
	Presidential® Starter IR	ASTM D3161, Class F
	SwiftStart® Starter Shingle	ASTM D3161, Class F
	Universal Starter	ASTM D3161, Class F
Hip & Ridge Shingles	Shingle Ridge®	ASTM D3161, Class F (sealant required, See Section 6)
	Shadow Ridge® (NC production)	ASTM D3161, Class F
	Shadow Ridge® (MA, MN or OH production)	ASTM D3161, Class F (sealant required, See Section 6)
	Shadow Ridge® Metric (OR production)	ASTM D3161, Class F (sealant required, See Section 6)
	Cedar Crest®	ASTM D3161, Class F (sealant required, See Section 6)
	Cedar Crest® IR	ASTM D3161, Class F (sealant required, See Section 6)
	Shadow Ridge® ClimateFlex®, 4pc	ASTM D3161, Class F
Shadow Ridge® ClimateFlex®	ASTM D3161, Class F	

5.5.2 High-Performance Starter shingles are limited to use with Grand Manor® and Highland Slate® shingles.

5.5.3 Presidential® Starter shingles must be applied using two (2) overlapping layers and are limited to use with Presidential Shake® and Presidential Shake® TL shingles.

5.5.4 Presidential® Starter IR shingles must be applied using two (2) overlapping layers and are limited to use with Presidential Shake® IR shingles.



- 5.5.5 **Universal Starter** shingles are limited to use with CertainTeed shingles measuring 12" x 36" having a weather exposure  $\leq 5"$ .
- 5.6 All components in the roof assembly shall have quality assurance audit in accordance with F.A.C. Rule 61G20-3. Refer to the Product Approval of the component manufacturer for components that are produced by a Product Manufacturer other than the report holder on Page 1 of this Evaluation Report.

**6. INSTALLATION:**

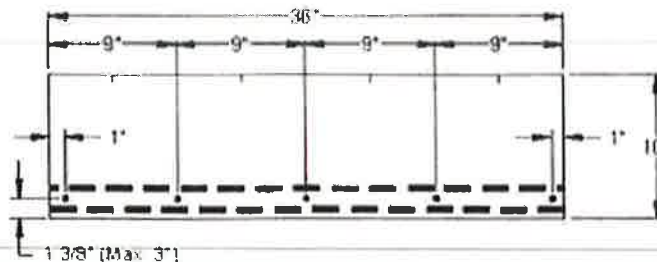
- 6.1 Roof deck, slope, underlayment and fasteners shall comply with FBC 1507.2 / R905.2 and the shingle manufacturer's minimum requirements.
  - 6.1.1 Underlayment shall be acceptable to CertainTeed, LLC and shall hold current Florida Statewide Product Approval, or be Locally Approved per Rule 61G20-3,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



**6.4 HIGH-PERFORMANCE STARTER:**

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

**HIGH-PERFORMANCE STARTER SHINGLES**





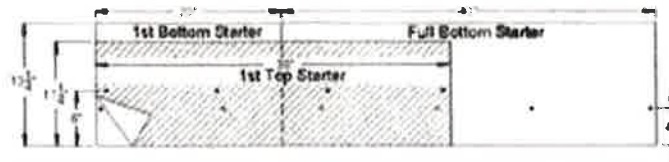
**6.5 PRESIDENTIAL® STARTER AND PRESIDENTIAL® STARTER IR:**

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

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

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

**Presidential Starter and Presidential IR Starter Shingles**



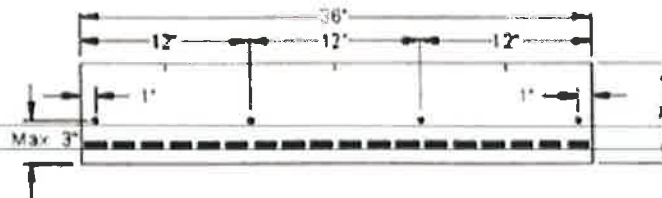
**6.6 UNIVERSAL STARTER:**

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

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

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

**UNIVERSAL STARTER SHINGLES**

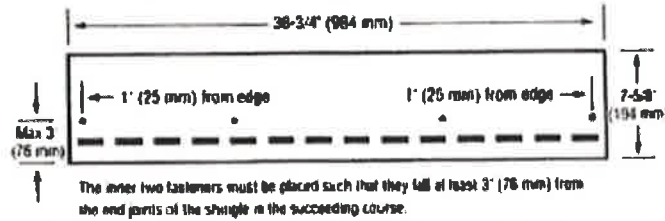




NEMO|etc.

**6.7 SWIFTSTART® STARTER SHINGLE:**

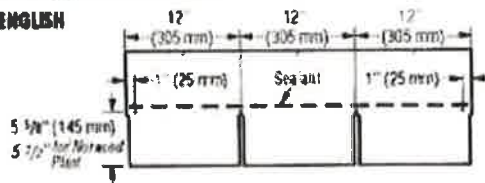
**Fastening: Use four nails, located as shown below**



**6.8 CT 20™, XT™ 25, XT™ 30 IR:**

**LOW AND STANDARD SLOPE**

**ENGLISH**



**METRIC**

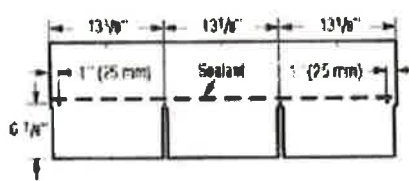


Figure 11-3: Use four nails for every full shingle.

**STEEP SLOPE**

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

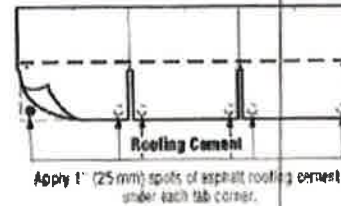


Figure 11-4: Use four nails and six spots of asphalt cement on steep slopes.  
 \*CAUTION: Excessive use of roofing cement can cause shingles to blister.

**Hip & Ridge: Cut Shingles**

Note: The use of BASF "Sonokastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant" in accordance with CertainTeed requirements is required for the ASTM D3161, Class F wind rating.

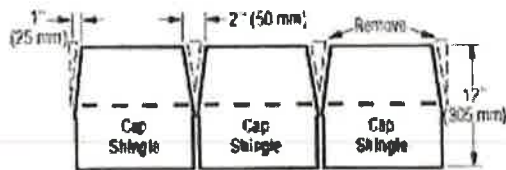


Figure 11-24: Cut tabs. Then trim back to make cap shingles (English dimensions shown).

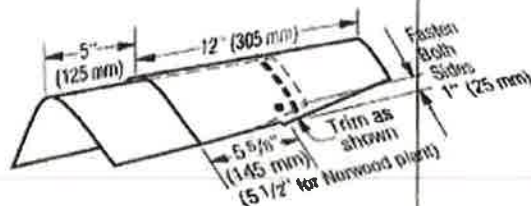


Figure 11-25: Installation of caps along the hips and ridges.



6.9 ARCADIA™:

LOW AND STANDARD SLOPE

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

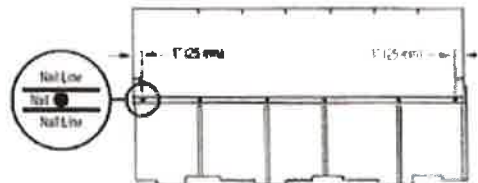


Figure 2: Use six nails for every full shingle.

STEEP SLOPE

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

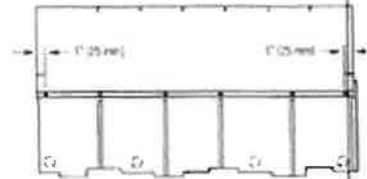
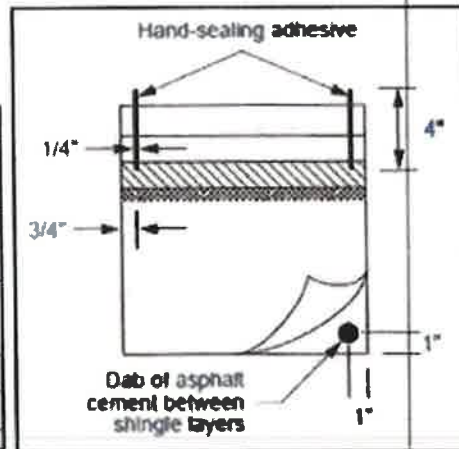
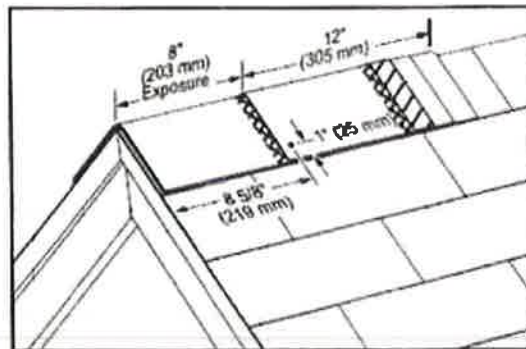


Figure 3: Use six nails and four spots of asphalt roofing cement on steep slopes.

Hip & Ridge: Cedar Crest® or 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.

Note: The use of BASF "Sonolastic" NP1 adhesive or Henkel "PL" Polyurethane Roof & Flashing Sealant in accordance with CertainTeed requirements is required for the ASTM D3161, Class F wind rating.



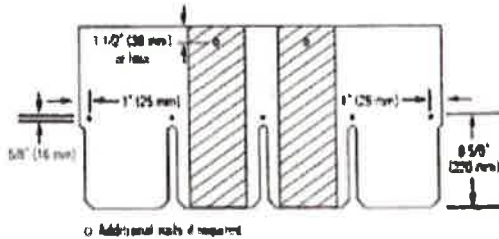


NEMO|etc.

**6.10 BELMONT® OR BELMONT® IR:**

**Low and Standard Slope  
(2:12 to 21:12):**

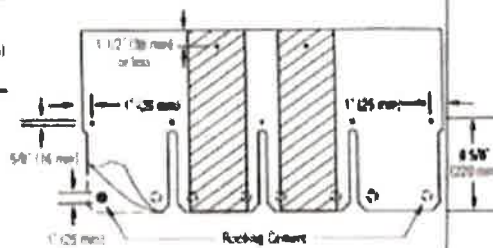
Use **FIVE** nails for every full Belmont shingle,  
located as shown below



o Additional nails if required

**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 D4588 Type II is suggested



**Hip & Ridge:**

- Option 1:** For Belmont®, refer to instructions for Cedar Crest® or Cedar Crest® IR.  
For Belmont® IR, refer to instructions for Cedar Crest® IR.

*Note: The use of BASF "Sonolastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant" in accordance with CertainTeed requirements is required for the ASTM D3161, Class F wind rating.*

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

*Note: The use of BASF "Sonolastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant" in accordance with CertainTeed requirements is required for the ASTM D3161, Class F wind rating.*

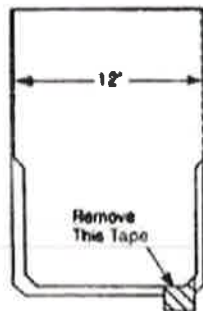


Figure 17-18: Shangle® Ridge.

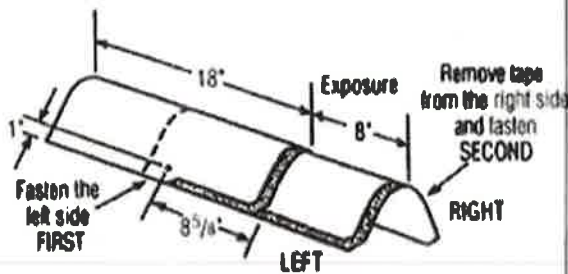


Figure 17-19: Installation of Shangle® Ridge shingles on hips and ridges.



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

**LOW AND STANDARD SLOPE**

Use five nails for every full Shingle.

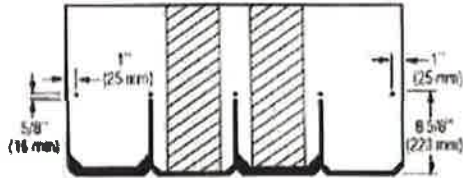


Figure 17-4 Use five nails for every full Grand Manor Shingle, Carriage House Shingle, or Colonial Slate.

**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 Colonial 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.

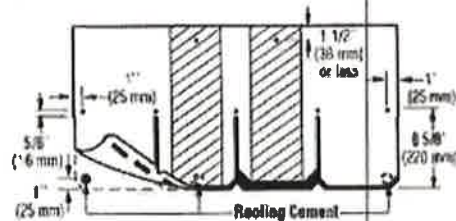
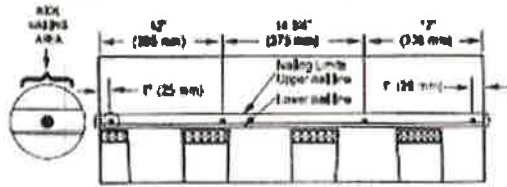


Figure 17-5 When installing Grand Manor Shingles on steep slopes, use seven nails and three spots of asphalt roofing cement.

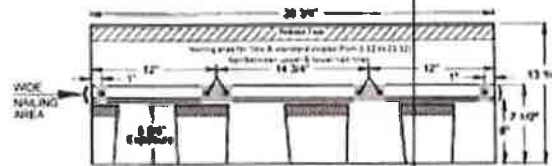
**Hip & Ridge:** Refer to instructions for Shingle® Ridge.

**6.12 LANDMARK®, LANDMARK® CLIMATEFLEX®, LANDMARK® PRO, LANDMARK® PRO ARCHITECT 80, LANDMARK® PRO SOLARIS®, LANDMARK® PREMIUM, LANDMARK® SOLARIS®, LANDMARK® SOLARIS® IR, LANDMARK® SOLARIS® GOLD/PLATINUM OR NORTHGATE® CLIMATEFLEX®:**

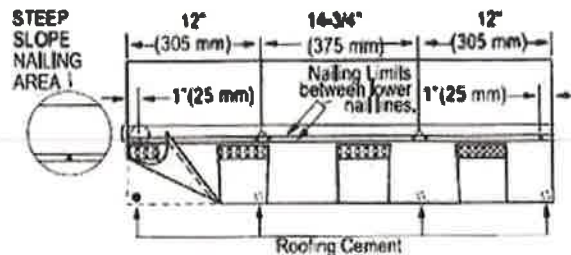


Nailing areas for low and standard slopes (from 2:12 to 21:12) Nail between upper & lower lines as shown above.

**Four (4) Nail Attachment (2:12 to 21:12)**



**Six (6) Nail Attachment (2:12 to 21:12)**



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

**Six (6) Nail Attachment with Roofing Cement (> 21:12)**



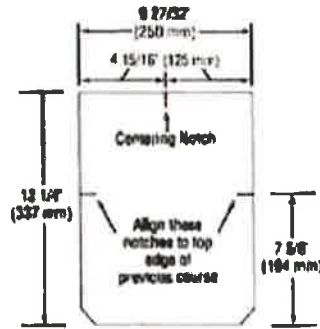
NEMO | etc.

**Hip & Ridge:**

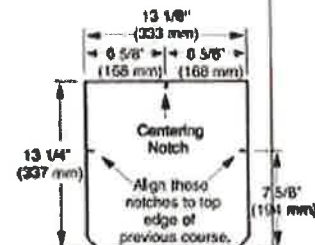
**Option 1:** Refer to instructions for Cedar Crest® or Cedar Crest® IR.

**Option 2:** Shadow Ridge® ClimateFlex®, Shadow Ridge® ClimateFlex®, 4pc or Shadow Ridge®

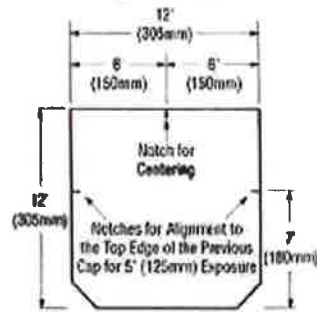
*Note: The use of BASF "Sonalastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant" in accordance with CertainTeed requirements is required for the ASTM D9161, Class F wind rating. (Use of sealant is optional for Shadow Ridge® produced in Oxford, NC.)*



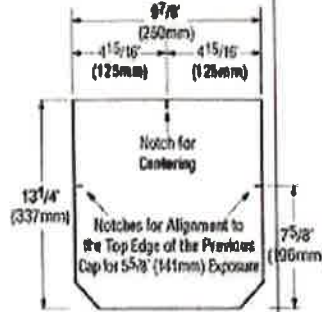
Shadow Ridge® ClimateFlex®, 4pc



Shadow Ridge® ClimateFlex®



English Dimension  
Shadow Ridge®



Metric Dimension  
Shadow Ridge®

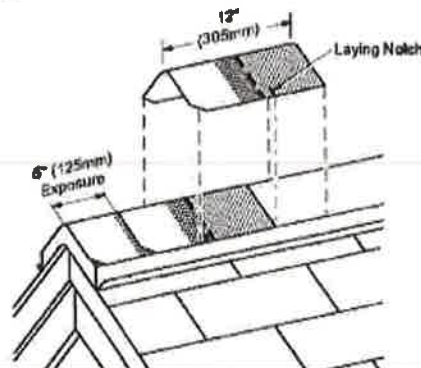


Figure 13-20: Use laying notches to center shingles on hips and ridges, and to locate the correct exposure.



**6.13 LANDMARK® TL:**

**LANDMARK TL**

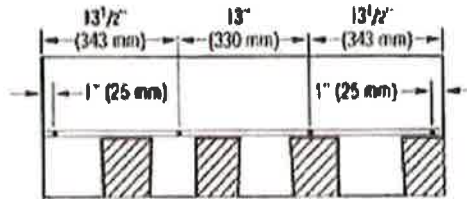


Figure 13-4: Use four nails for every full shingle.

**LANDMARK TL**

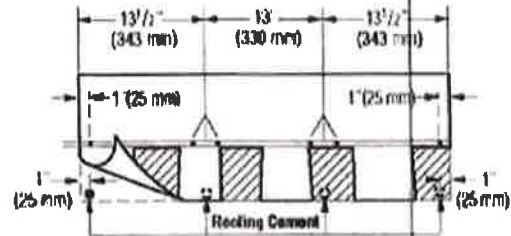


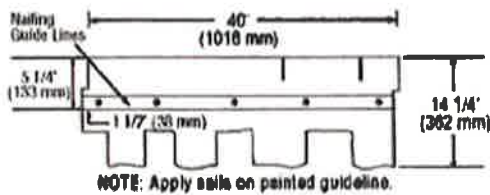
Figure 13-5: Use six nails and four spots of asphalt roofing cement on steep slopes.

**Hip & Ridge:** Refer to instructions for Cedar Crest®, Cedar Crest® IR, Shadow Ridge® ClimateFlex® or Shadow Ridge®.

**6.14 PRESIDENTIAL SHAKE®, PRESIDENTIAL SHAKE® IR, PRESIDENTIAL SHAKE® TL, PRESIDENTIAL SOLARIS®:**

**LOW AND STANDARD SLOPE:**

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



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.

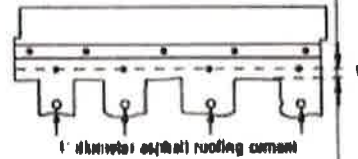


Figure 16-7: Fastening Presidential and Presidential TL Shake shingles on steep slopes.

**Hip & Ridge:** Refer to instructions for Cedar Crest® or Cedar Crest® IR.



**6.15 HIGHLAND SLATE®:**

**LOW AND STANDARD SLOPE:**

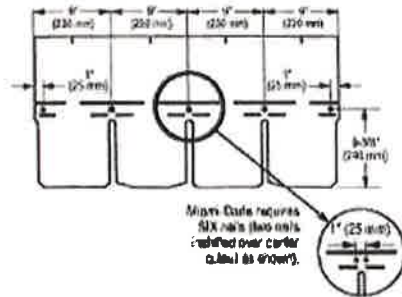


Figure 11-3: Use FIVE nails for every Highland Slate shingle.

**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.

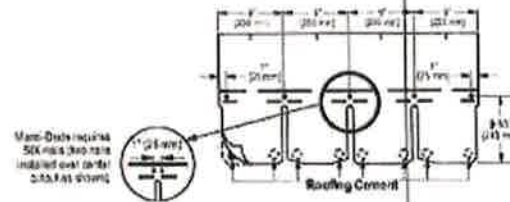


Figure 11-3A: Use FIVE nails and eight spots of asphalt roofing cement under each tab corner.

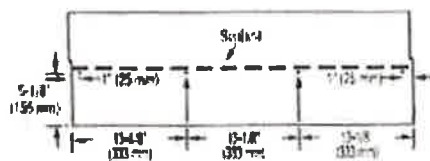
**CAUTION:** Excessive use of roofing cement can cause shingles to blister.

**Hip & Ridge:** Refer to instructions for Cedar Crest®, Cedar Crest® IR or Shingle Ridge®.

**6.16 PATRIOT®:**

**LOW AND STANDARD SLOPE**

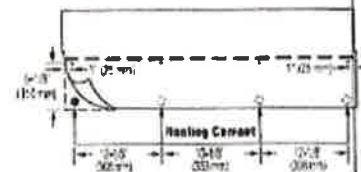
Use FOUR nails for every full shingle located as shown below.



**STEEP SLOPE**

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

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



**Hip & Ridge:** Refer to instructions for Cedar Crest®, Cedar Crest® IR, Shadow Ridge® ClimateFlex®, Shadow Ridge® or Shingle Ridge®.

**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:**

Contact the named QA entity for manufacturing facilities covered by F.A.C. Rule 61G20-3 QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

**9. QUALITY ASSURANCE ENTITY:**

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

- END OF EVALUATION REPORT -



**Product Approval**  
USER: Public User

Rhino Synthetic Underlayment

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

OFFICE OF THE SECRETARY

FL #

FL15216-R10

Application Type

Revision

Code Version

2020

Application Status

Approved

Comments

Archived

Product Manufacturer

Owens Corning Roofing and Asphalt, LLC

Address/Phone/Email

One Owens Corning Parkway  
 Toledo, OH 43645  
 (740) 321-6345  
 Greg.Keeler@owenscorning.com

Authorized Signature

Keeler Greg  
 Greg.Keeler@owenscorning.com

Technical Representative

Greg Keeler

Address/Phone/Email

2790 Columbus Road  
 Granville, OH 43023  
 (740) 321-6345  
 greg.keeler@owenscorning.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  
 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

12/31/2023

Validated By

John W. Knezevich, PE

Validation Checklist - Hardcopy Received

Certificate of Independence

FL15216-R10 COI 2021 01 COI NIEMINEN.DSR

Referenced Standard and Year (of Standard)

Standard	Year
ASTM D226 (physicals)	2009
ASTM D4533 (tear strength)	2015
ASTM D4798 (weathering)	2011
ASTM D4869 (liquid transmission)	2016
ASTM D5035 (tensile strength)	2011

Equivalence of Product Standards

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

08/13/2021

Date Validated

08/16/2021

Date Pending FBC Approval

08/22/2021

Date Approved

10/12/2021

See Page #4

Summary of Products

FL #	Model, Number or Name	Description
15216.1	RhinoRoof U10, RhinoRoof U20, ABC Pro Guard 20 and SRS TopShield TS20 Roof Underlayments	Synthetic roof underlayments
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: See ER Section 5 for Limits of Use.		<b>Installation Instructions</b> <a href="#">FL15216 R10 II 2021 08 13 FINAL ER OWENS CORNING RHINOROOF FL15216-R10.pdf</a> Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL15216 R10 AE 2021 08 13 FINAL ER OWENS CORNING RHINOROOF FL15216-R10.pdf</a> Created by Independent Third Party: Yes



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**NEMO|etc.**

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

ENGINEER

EVALUATE

TEST

CONSULT

**EVALUATION REPORT**

Owens Corning Roofing and Asphalt, LLC  
One Owens Corning Parkway  
Toledo, OH 43659  
(740) 321-6345

Evaluation Report I40510.02.12-R11  
FL15216-R10  
Date of Issuance: 02/17/2012  
Revision 11: 08/13/2021

**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. The products described herein have been evaluated for compliance with the 7<sup>th</sup> Edition (2020) Florida Building Code sections noted herein.

**DESCRIPTION:** RhinoRoof U10, RhinoRoof U20, ABC Pro Guard 20 and SRS TopShield T520 Roof Underlayments

**LABELING:** Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein and FBC 1507.1.1.

**CONTINUED COMPLIANCE:** This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.

**ADVERTISEMENT:** The Florida Product Approval Number (FL#) preceded by the words "NEMO 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 4.

Prepared by:

Robert J.M. Nieminen, P.E.  
Florida Registration No. 59166, Florida DCA ANF 1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 08/13/2021. This does not serve as an electronically signed document.

**CERTIFICATION OF INDEPENDENCE:**

1. NEMO ETC, LLC 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, LLC 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, LLC 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 U10, RhinoRoof U20, ABC Pro Guard 20 and SRS TopShield TS20 Roof Underlayments, as produced by Owens Corning Roofing and Asphalt, LLC, have demonstrated compliance with the following sections of the 7<sup>th</sup> Edition (2020) 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:**

Section	Properties	Standard	Year
1507.1.1.1(2&3, Exception), 1507.1.1.1(5) / R905.1.1.1(2&3, Exception), R905.1.1.1(5)	Tear strength	ASTM D4533	2015
1507.1.1.1(2&3, Exception), 1507.1.1.1(5) / R905.1.1.1(2&3, Exception), R905.1.1.1(5)	Tensile strength	ASTM D5035	2011
1507.1.1.1(5) / R905.1.1.1(5)	Liquid water transmission	ASTM D4869	2016
1518.4, RAS 115	Unrolling, Breaking Strength, Pliability	ASTM D226	2009
TAS 110	Accelerated Weathering	ASTM D4798	2011

**3. REFERENCES:**

Entity	Examination	Reference	Date
ITS (TST1509)	ASTM D226	100539395COQ-006	10/26/2011
ITS (TST1509)	ASTM D4869	100539395COQ-002	10/26/2011
PRI (TST5878)	ASTM D226 / D4798 / D4869	OCF-394-02-07.4	01/06/2020
PRI (TST5878)	ASTM D226 / D4798	OCF-464-02-02.2	01/06/2020
PRI (TST5878)	ASTM D4533 / D5035 / D4798	1378T0109	10/15/2020
PRI (TST5878)	ASTM D4533 / D5035	1378T0127	10/15/2020
PRI (TST5878)	ASTM D8257-20	1378T0138	02/25/2021
PRI (TST5878)	ASTM D8257-20	1378T0139	03/23/2021
ITS (QUA1673)	ITS Audit Manual	3144566COQ-006A	09/10/2020
ITS (QUA1673)	Quality Control	Service Confirmation	08/13/2021
ITS (QUA1673)	Quality Control	Florida BCIS	Current

**4. PRODUCT DESCRIPTION:**

	Product	Specification	Plant(s)	Description
4.2	RhinoRoof U10	1507.1.1.1(2&3, Exception), 1507.1.1.1(5) / R905.1.1.1(2&3, Exception), R905.1.1.1(5)	Qingdao, China	Multilayered polymer woven coated synthetic roof underlayment
4.1	RhinoRoof U20	1507.1.1.1(2&3, Exception), 1507.1.1.1(5) / R905.1.1.1(2&3, Exception), R905.1.1.1(5)	Qingdao, China Silvassa, India	Multilayered polymer woven coated synthetic roof underlayment
4.2	ABC Pro Guard 20	1507.1.1.1(2&3, Exception), 1507.1.1.1(5) / R905.1.1.1(2&3, Exception), R905.1.1.1(5)	Silvassa, India	Multilayered polymer woven coated synthetic roof underlayment
4.3	SRS TopShield TS20	1507.1.1.1(2&3, Exception), 1507.1.1.1(5) / R905.1.1.1(2&3, Exception), R905.1.1.1(5)	Silvassa, India	Multilayered polymer woven coated synthetic roof underlayment



**5. LIMITATIONS:**

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC 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 pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.3 This Evaluation Report does not include evaluation of fire classification. Refer to FBC 1505 or FBC HVHZ 1516 for requirements and limitations regarding roof assembly fire classification. Refer to FBC 2603 for requirements and limitations concerning the use of foam plastic insulation.
- 5.4 RhinoRoof U10, RhinoRoof U20, ABC Pro Guard 20 and SRS TopShield TS20 Roof 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:

FBC NON-HVHZ:	1907.2	1907.3	1907.4 & 1907.5	1907.7	1907.8 & 1907.9
FBC HVHZ:	TAS 110(110), RAS 115	TAS 110(111), RAS 116, 118 & 120	RAS 121	TAS 110(111)	RAS 120
Underlayment	Asphalt Shingles	Clay and Concrete Tile	Metal	Slate or Slate-Type Shingles	Wood
RhinoRoof U10	Yes	No	Yes	No	NON-HVHZ: No HVHZ: Yes
RhinoRoof U20	Yes	No	Yes	No	NON-HVHZ: No HVHZ: Yes
ABC Pro Guard 20	Yes	No	Yes	No	NON-HVHZ: No HVHZ: Yes
SRS TopShield TS20	Yes	No	Yes	No	NON-HVHZ: No HVHZ: Yes

5.6 Exposure Limitations:

Underlayment	Maximum Exposure (days)
RhinoRoof U10	90
RhinoRoof U20	90
ABC Pro Guard 20	30
SRS TopShield TS20	30



**6. INSTALLATION:**

**6.1 RhinoRoof U10, RhinoRoof U20, ABC Pro Guard 20 and SRS TopShield TS20 Roof Underlayments shall be installed in accordance with the manufacturer's 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 U10, RhinoRoof U20, ABC Pro Guard 20 and SRS TopShield TS20 Roof Underlayments:**

**6.3.1 NON-HVHZ Jurisdictions:**

**6.3.1.1** Shall be installed in compliance with requirements for a synthetic underlayment in FBC 1507.1.1.1(2, Exception), 1507.1.1.1(3, Exception) or 1507.1.1.1(5) or FBC Residential R905.1.1.1(2, Exception), R905.1.1.1(3, Exception) or R905.1.1.1(5) for the type of prepared roof covering to be installed, and the manufacturer's installation instructions. FBC requirements take precedence over the manufacturer's installation instructions.

**6.3.1.2 Fasteners:**

Minimum fasteners shall be corrosion resistant, ring-shank cap nails shall be as set forth in FBC 1507.1.1.1 or 1507.1.1.3 or FBC Residential R905.1.1.1 or R905.1.1.3.

**6.3.2 HVHZ Jurisdictions:**

**6.3.2.1** Shall be installed in a shingle fashion with minimum 4-inch wide side (horizontal) laps and minimum 6-inch wide end laps, and fastened in accordance with FBC HVHZ 1518.2:

- grid pattern of 12 inches between the overlaps, with 6-inch spacing at the overlaps

**7. BUILDING PERMIT REQUIREMENTS:**

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

**8. MANUFACTURING PLANTS:**

Contact the named QA entity for manufacturing facilities covered by F.A.C. Rule 61G20-3 QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

**9. QUALITY ASSURANCE ENTITY:**

Intertek Testing Services NA Inc. - QUA1673; (312) 906-7779; [maura.norlander@intertek.com](mailto:maura.norlander@intertek.com)

- END OF EVALUATION REPORT -

RIDGE VENT



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Product Approval  
USER: Public User

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

OFFICE OF THE SECRETARY

PL #  
Application Type  
Code Version  
Application Status

FL21414-R5  
Revision  
2020  
Approved

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

Comments  
Archived

Product Manufacturer  
Address/Phone/Email

CertainTeed, LLC (Roofing)  
20 Moores Road  
Malvern, PA 19355  
(610) 893-3400  
mark.d.harner@saint-gobain.com

Authorized Signature

Mark Harner  
mark.d.harner@saint-gobain.com

Technical Representative  
Address/Phone/Email

Mark D. Harner  
18 Moores Road  
Malvern, PA 19355  
(610) 651-5847  
Mark.D.Harner@saint-gobain.com

Quality Assurance Representative  
Address/Phone/Email

Category  
Subcategory

Roofing  
Roofing Accessories that are an Integral Part of the Roof

Compliance Method

Certification Mark or Listing

Certification Agency  
Validated By

Miami-Dade BCCO - CER  
Robert Nieminen, PE, NEMO ETC, LLC  
Validation Checklist - Hardcopy Received

Referenced Standard and Year (of Standard)

Standard	Year
ASTM D1929	20
ASTM D2843	20
ASTM D635	20
ASTM D638	20
ASTM G155	20

**Equivalence of Product Standards Certified By**

**Product Approval Method** Method 1 Option A

**Date Submitted** 11/06/2020

**Date Validated** 11/06/2020

**Date Pending FBC Approval**

**Date Approved** 11/16/2020

**Summary of Products**

FL #	Model, Number or Name	Description
21414.1	CertainTeed Ridge Vent - 12" Unfiltered	Polypropylene plastic low profile ridge vent w/ plug for installation in asphaltic shingle roof s
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to Miami-Dade Notice of Acceptance (NOA) for Limits of Use.		<b>Certification Agency Certificate</b> <a href="#">FL21414_R5_C_CAC_NOA_20072340_RIDGE_UNFILTERED.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 09/23/2024 <b>Installation Instructions</b> <a href="#">FL21414_R5_IL_NOA_20072340_RIDGE_VENT_UNFILTERED.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
21414.2	CertainTeed Ridge Vent 12" Filtered and CertainTeed Ridge Vent 9" Filtered	High density polypropylene low profile attic ri installation in shingle roof systems.
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to Miami-Dade Notice of Acceptance (NOA) for Limits of Use.		<b>Certification Agency Certificate</b> <a href="#">FL21414_R5_C_CAC_NOA_20072337_RIDGE_FILTERED_AND_9-IN_FILTERED.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 06/14/2022 <b>Installation Instructions</b> <a href="#">FL21414_R5_IL_NOA_20072337_RIDGE_VENT_AND_9-IN_FILTERED.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
21414.3	CertainTeed Rolled Ridge Vent	Unfiltered and filtered, low profile attic ridge v installation under ridge shingles
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to Miami-Dade Notice of Acceptance (NOA) for Limits of Use.		<b>Certification Agency Certificate</b> <a href="#">FL21414_R5_C_CAC_NOA_20072339_ROLLED_RIDGE_VENT_FILTERED_AND_UNFILTERED.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 05/02/2024 <b>Installation Instructions</b> <a href="#">FL21414_R5_IL_NOA_20072339_ROLLED_RIDGE_VENT_FILTERED_AND_UNFILTERED.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
21414.4	CertainTeed Static Vent - Aluminum	Embossed aluminum static louvered roof vent

<p><b>Limits of Use</b>  <b>Approved for use in HVHZ: Yes</b>  <b>Approved for use outside HVHZ: Yes</b>  <b>Impact Resistant: N/A</b>  <b>Design Pressure: N/A</b>  <b>Other: Refer to Miami-Dade Notice of Acceptance (NOA) for Limits of Use.</b></p>	<p><b>Certification Agency Certificate</b>  <a href="#">FL21414_R5_C_CAC_NOA_20072338_STATIC_ALUMINIUM.pdf</a>  <b>Quality Assurance Contract Expiration Date:</b> 03/13/2023  <b>Installation Instructions</b>  <a href="#">FL21414_R5_IL_NOA_20072338_STATIC_VEN'</a>  <b>Verified By: Miami-Dade BCCO - CER</b>  <b>Created by Independent Third Party:</b>  <b>Evaluation Reports</b>  <b>Created by Independent Third Party:</b></p>
--	---

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Product Approval Accepts:



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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**CertainTeed LLC**  
20 Moores Road  
Malvern, PA 19355

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade-County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: CertainTeed Ridge Vent - 12" Unfiltered**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA 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 NOA revises NOA 19-0621.01 and consists of pages 1 through 4.  
The submitted documentation was reviewed by *Freddy Semino*



NOA No.: 20-0723-40  
Expiration Date: 09/23/24  
Approval Date: 10/15/20  
Page 1 of 4

## ROOFING COMPONENT APPROVAL

**Category:** Roofing  
**Sub-Category:** Ventilation  
**Material:** Plastic  
**Minimum Slope:** 3:12

## TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
CertainTeed Ridge Vent - 12" Unfiltered	Length: 48" Width: 13.8" Height: 7/8"	TAS 100(A)	Polypropylene plastic low profile ridge vent with an integral end plug for installation in asphaltic shingle roof systems.

## MANUFACTURING LOCATION

1. Orrick, MO

## EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Architectural Testing	65457.01-109-18	TAS 100	07/26/06
	D8316.01-801-18	TAS 100 (A)	09/16/14
	D8316.02-801-18	TAS 100 (A) Calibration	12/02/14
Hurricane Engineering & Testing, Inc.	HETI-09-F400	ASTM D 1929	07/01/09
	HETI-09-T102	ASTM D 638	01/30/09
	HETI-02-A001	ASTM G 155	09/13/02
PRI Construction Materials Technologies	AVIG-010-02-01	ASTM D 635	12/02/14
		ASTM D 1929	12/02/14
	AVIG-010-02-02	ASTM D 2843	12/02/14
		ASTM G 155	06/09/15



NOA No.: 20-0723.40  
Expiration Date: 09/23/24  
Approval Date: 10/15/20  
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## APPROVED APPLICATION

- Trade name:** CertainTeed Ridge Vent - 12" Unfiltered
- System Type A:** Mechanical attachment of ridge vent over composite shingles.
- Cutout:** Cut a 1 1/2" slot along the apex of the roof by cutting 3/4" on each side of the ridge. The slot shall terminate approximately 6" from each rake edge.
- Installation:** Center the vent over the slot. Install ridge vent using corrosion resistant roofing nails of 0.120" shaft diameter x 0.320" head diameter x 3" long and of sufficient length to penetrate through the wood sheathing a minimum 3/16". Place the nails in each preformed nail boss, two at each end, 15" from each end, and the center of each vent section.
- Install pre-manufactured or field cut ridge shingles over the ridge vent in compliance with the shingle manufacturer's current approved Notice of Acceptance, and the shingle and ridge vent's installation instructions. Nails shall be of sufficient length to penetrate through the sheathing a minimum 3/16".
- Ventilation Calculations:** Refer to manufacturer's published literature
- Minimum Slope:** 3:12

## LIMITATIONS:

1. Refer to applicable building codes for required ventilation.
2. CertainTeed LLC Ridge Vent shall not be installed on roof mean heights greater than 33 feet.
3. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
4. All plastic ridge vent manufacturers shall have an unannounced follow-up quality control program from an approved listing agency. Follow-up test results shall be made available to the Miami-Dade Product Control Office upon request.
5. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo, city and state of manufacturing facility, and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

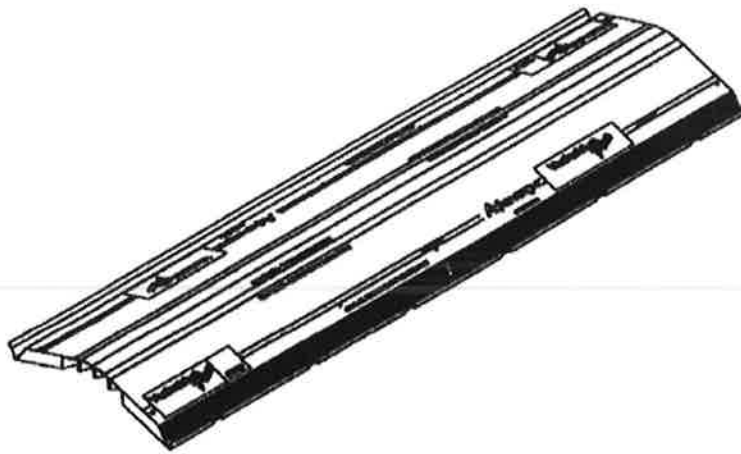
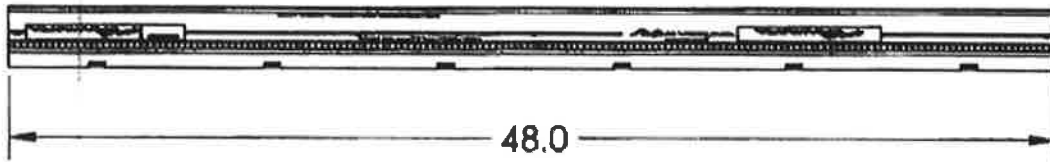
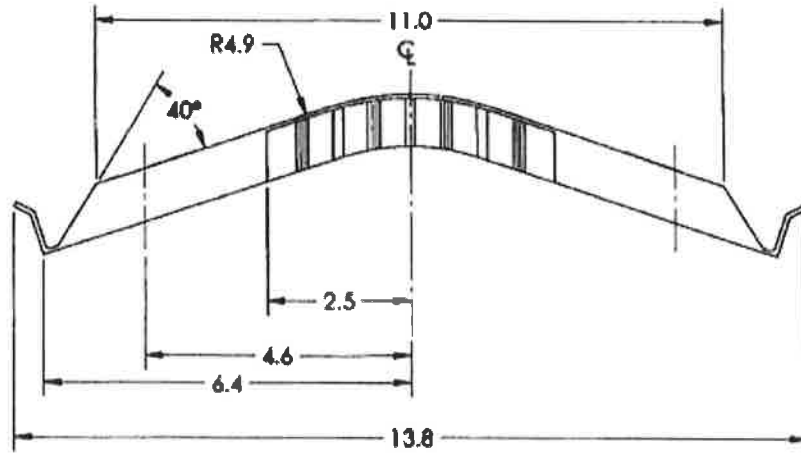
**MIAMI-DADE COUNTY**  
**APPROVED**

**MIAMI-DADE COUNTY**  
**APPROVED**

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**DETAIL DRAWINGS**

**CERTAINTEED RIDGE VENT - 12" UNFILTERED**



**END OF THIS ACCEPTANCE**



NOA No.: 20-0723.40  
Expiration Date: 09/23/24  
Approval Date: 10/15/20  
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Ron DeSantis, Governor

Mahey Beshears, Secretary



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

**CONSTRUCTION INDUSTRY LICENSING BOARD**

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

**DALMAU, FRANCISCO JOSE**

CENTRAL HOMES LLC  
1182 N. RONALD REAGAN RD.  
LONGWOOD FL 32750

**LICENSE NUMBER: CCC1330609**

**EXPIRATION DATE: AUGUST 31, 2022**

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
7/15/2021

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

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


<b>PRODUCER</b> Sihle Insurance Group Inc. 1021 Douglas Ave. Altamonte Springs FL 32714		<b>CONTACT</b> NAME: Certificate Department PHONE (A/C No. Ex): 407-869-5490 E-MAIL: Certificates@sihie.com ADDRESS:		FAX (A/C No.): 407-389-3580
<b>INSURED</b> Central Homes LLC 1920 Booth Circle, Suite 200 Longwood FL 32750		<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
		<b>INSURER A:</b> Progressive Express Insurance Company		10193
		<b>INSURER B:</b> Evanston Insurance Company		35378
		<b>INSURER C:</b> Bridgefield Casualty Insurance Company		10335
		<b>INSURER D:</b> Kinsale Insurance Company		38920
		<b>INSURER E:</b>		
		<b>INSURER F:</b>		

**COVERAGES**      **CERTIFICATE NUMBER: 976968888**      **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR VVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
0	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> UMBRELLA LIABILITY <input type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY (If yes, describe under DESCRIPTION OF OPERATIONS below)			0100158962	7/20/2021	7/20/2022	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (EA occurrence) \$1,000,000 MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/SP AGG \$2,000,000 \$
A	<input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			02419724 1	7/30/2021	7/30/2022	COMBINED SINGLE LIMIT (EA accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			MKLY2EUL104002	7/20/2021	7/20/2022	EACH OCCURRENCE \$2,000,000 AGGREGATE \$2,000,000 \$
C	<input type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROVISIONS FOR FURTHER EXCLUSIONS OF OFFICERS/NEWBORN EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N <input type="checkbox"/> N/A	19640644	7/13/2021	7/13/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101 Additional Remarks Schedule, may be attached if more space is required)

<b>CERTIFICATE HOLDER</b>  City of Belle Isle 1600 Neia Ave. Belle Isle FL 32809	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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## SEMINOLE COUNTY BUSINESS TAX RECEIPT

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

WWW.SEMINOLECOUNTY.TAX

VALID THROUGH 09/30/22

**CENTRAL HOMES, LLC**  
1920 BOOTHE CIRCLE #200  
LONGWOOD, FL 32750

Account #: 203454

REGULATED  
License # - CCC1330609  
Qualifier- DALMAU, FRANCISCO JOSE

FRANCISCO DALMAU (OFFICER)

Receipt #: 30212021092700028

Amount Paid: \$ 45.00

Date Paid: 09/27/2021

### 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**  
1920 BOOTHE CIRCLE #200  
LONGWOOD, FL 32750