



City of Belle Isle Job Site Permit Card

ROOF 2021-04-009

Class: Residential

Site Address: 5248 Driscoll Ct- Belle Isle, FL 32812

Parcel Number: 20-23-30-1222-00-070 . Municipality Belle Isle

INSPECTIONS CANNOT BE SCHEDULED IF A NOC IS PENDING FOR THIS PROJECT

Description of Work: ROOF for SFR

Number of Stories: 1

ASPHALT SHINGLES with underlayment Square Footage: 6438.

Issued: REVOLUTION CONTRACTORS ROOFING AND SOLAR, LLC- SAMPSON, K A

License # CCC1331227

Contact# 407 755-2126

Payment/ Issued Date & Method: 4 / 2 / 2021

Picked up by _____ Sent by mail to the mailing address Emailed

Visa Master Card Amex Discover Check / Money Order#

1946 | | | | | | | | | | | | | | | | | | | | | |

ROOF	INSPECTOR	DATE	COMMENTS
NEW ROOFS ONLY Code 700 Deck Nailing, Dry-In, Flashing			This inspection only applies for a NEW roof only!
Both new & re-roof Code 710 In - Progress			Underlayment & Dry-in COMPLETE with UP TO 25% shingle coverage.
Both new & re-roof Code 720 Final			Schedule when roof is COMPLETE.

PLEASE NOTE: In order to schedule any inspections, the PERMIT / plans-specs. must be issued and POSTED on the JOB SITE! THIS WILL AVOID ANY FAILED INSPECTIONS & RE-INSPECTION FEES. 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 all of your inspections - ☆ 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 3:00 p.m. Please include the following requirements in your request:

- Project Address
- Corresponding Permit Number
- Type of Inspection (Please reference your permit card for inspection codes)
- Date of Inspection (If no date is specified, the inspection will be scheduled for the next business day)
- Contact Name
- Contact Phone Number
- Gate / Entry code (If applicable)
- AM, PM, or Any Time (We do our best to accommodate time requests but cannot guarantee an exact arrival)

Universal Engineering Sciences - 3532 Maggie Blvd., Orlando, FL 32811407-581-8161 * 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
MAR 30 2021

City of Belle Isle
Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.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: 03/29/2021

ROOF PERMIT NUMBER 2021-04-009

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

Project Address 5248 Driscoll Ct., Belle Isle, FL 32809^X 32812
Property Owner Tina Webster Phone 407-701-7040
Property Owner's Mailing Address 5248 Driscoll Ct. City Belle Isle
State FL Zip Code 32812 Parcel Id Number: 20-23-30-1222-00-070

REQUIRED! To obtain this information, please visit <http://www.ocpafll.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: 6438 Number of Stories: 1 Job Valuation: \$ 30325.00
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 [Signature] LICENSE # CCC1331227
LICENSE HOLDER NAME Kristoffer Sampson COMPANY NAME Revolution Contractors Roofing and Solar, LLC
Street Address 2500 Musselwhite Ave.
City Orlando State FL Zip Code 32804 Phone Number 407-755-2126
Email Address contact@revolutioncontractors.com

✓ NOC ✓ PA

Building Official: OTC Date 3-30-2021
NOC
Verified Contractor's Licenses & Insurance are on file [Signature] Date 3-30-21

Zoning Fee \$ 30.00
Building Fee \$ 175.00
Review Fee \$ -
1% BCAIB Fee \$ 2.00
1.5% DCA Fee \$ 2.63
Total Permit Fee \$ 209.63

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.

25 1st
150 3075
175.00

VALID
4-2-2021
USA 1946

THIS INSTRUMENT PREPARED BY: 287-04-009
Name: Gina Sampson
Address: 144 Sheridan Ave., Longwood, FL 32750

DOCM 20210170120
03/24/2021 03:31:22 PM Page 1 of 1
Rec Fee: \$10.00
Phil Diamond, Comptroller
Orange County, FL
NB - Ret To: REVOLUTION CONTRACTORS RO



NOTICE OF COMMENCEMENT

Permit Number: _____
Parcel ID Number: 20-23-30-1222-00-070

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)
CAPLES AT THE LAKE 22127 LOT 7
5245 DRISCOLL CT BELLEVILLE FL 32818
- GENERAL DESCRIPTION OF IMPROVEMENT:**
Re-Roof
- OWNER INFORMATION OR LESSEE INFORMATION IF THE LESSEE CONTRACTED FOR THE IMPROVEMENT:**
Name and address: TINA WEBSTER 5245 DRISCOLL CT ORLANDO FL 32812
Interest in property: OWNER
Fee Simple Title Holder (if other than owner listed above) Name: N/A
Address: _____
- CONTRACTOR:** Name: Revolution Contractors Roofing and Solar, LLC Phone Number: 407-755-2126
Address: 2500 Musselwhite Ave., Orlando, FL 32804
- SURETY** (If applicable, a copy of the payment bond is attached): Name: _____
Address: N/A Amount of Bond: _____
- LENDER:** Name: N/A Phone Number: _____
Address: _____
- Persons within the State of Florida Designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes.**
Name: N/A Phone Number: _____
Address: _____
- In addition, Owner designates N/A of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes. Phone number: _____
- Expiration Date of Notice of Commencement (The expiration is 1 year from date of recording unless a different date is specified) _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1, 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

Tina Webster (Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager) Tina Webster (Print Name and Provide Signatory's Title/Office)

State of FLORIDA County of SEMINOLE
The foregoing instrument was acknowledged before me this 15th day of March, 2021
by Tina Webster Name of person making statement Who is personally known to me OR
who has produced identification type of identification produced: FL DL



Gina Sampson
Notary Signature

State of FLORIDA, County of ORANGE.
Per §888.50, F.S., which defines and permits electronic signatures,
I certify that this is a true copy of the document as reflected in the
Official Records.
PHIL DIAMOND, COUNTY COMPTROLLER



Terri Wilson 03/24/2021 Date
Deputy Comptroller



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: 03/29/21

PERMIT # 201-04-009

PROJECT ADDRESS 5248 Driscoll Ct.

Belle Isle, FL 32809 X 32812

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

• **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	Certainteed	Landmark	FL5444.R16
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Underlayment	Continental		FL18374.R5
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 

Date 03/29/21



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Product Approval
USER: Public User

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



FL #	FL5444-R16								
Application Type	Revision								
Code Version	2020								
Application Status	Approved								
Comments									
Archived									
Product Manufacturer	CertainTeed, LLC (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 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 R16 COI 2020 01 COI NIEMINEN.pdf								
Referenced Standard and Year (of Standard)	<table border="0"> <tr> <td>Standard</td> <td>Year</td> </tr> <tr> <td>ASTM D3161</td> <td>2016</td> </tr> <tr> <td>ASTM D3462</td> <td>2010</td> </tr> <tr> <td>ASTM D7158</td> <td>2019</td> </tr> </table>	Standard	Year	ASTM D3161	2016	ASTM D3462	2010	ASTM D7158	2019
Standard	Year								
ASTM D3161	2016								
ASTM D3462	2010								
ASTM D7158	2019								

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method: Method 1 Option D

Date Submitted: 07/30/2020
 Date Validated: 08/04/2020
 Date Pending FBC Approval: 08/08/2020
 Date Approved: 10/13/2020

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 R16 II 2020 07 24 FINAL ER CERTAINTEED FL54 R16.pdf Verified By: Robert Nieminen, PE PE-59166 Created by Independent Thlrd Party: Yes Evaluation Reports FL5444 R16 AE 2020 07 24 FINAL ER CERTAINTEED FL5 R16.pdf 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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Product Approval Accepts:



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-R17

FL5444-R16

Date of Issuance: 09/22/2005

Revision 17: 07/24/2020

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 **7th Edition (2020) 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 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|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 14.

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 07/24/2020. 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 7th 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:

<u>Section</u>	<u>Property</u>	<u>Standard</u>	<u>Year</u>
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:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
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	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	4786821352	02/21/2015
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	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 (QUA 9625)	Quality Control	Service Confirmation	11/13/2019



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 38-3/4"	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, MO, MN, NC, OH, OR, TX
	Landmark® Pro			CA(W), GA, MA, MO, 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®	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

TABLE 1 (CONTINUED): ASPHALT SHINGLE COMPONENTS

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, MN, NC, OH
	Shadow Ridge® Metric		ASTM D3462	OR
	Cedar Crest®		None	NC
	Cedar Crest® IR		None	NC
	NorthGate® Ridge		ASTM D3462	OR
	NorthGate® Accessory		ASTM D3462	MN

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.

TABLE 2A: WIND CLASSIFICATIONS, ASPHALT SHINGLES

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® 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®	ASTM D3161(F) & ASTM D7158(H)
Presidential Shake®	ASTM D3161(F) & ASTM D7158(H)
Presidential Shake® IR	ASTM D3161(F) & ASTM D7158(H)

TABLE 2A: WIND CLASSIFICATIONS, ASPHALT SHINGLES	
Product	FBC Table 1507.2.7.1 or R905.2.6.1
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_T or R_A) 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_T) under the following conditions:

- maximum design wind speed of $V_{asd} = 150$ mph ($V_{ult} = 194$ 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.

TABLE 2B: WIND CLASSIFICATIONS, STARTER STRIPS AND HIP & RIDGE		
Type	Product	FBC Table 1507.2.7.1 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	Shangle 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)
	NorthGate® Ridge	ASTM D3161, Class F
NorthGate® Accessory	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:

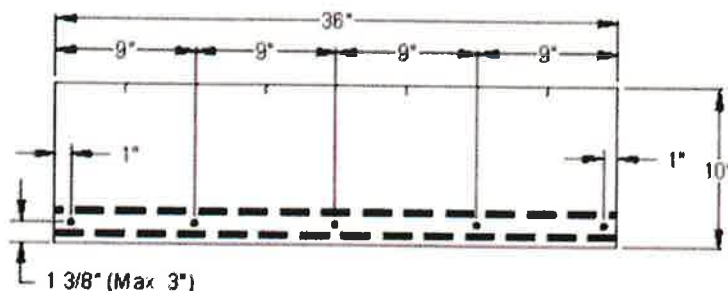
- 6.1 Roof deck, slope, underlayment and fasteners shall comply with FBC 1507.2 / R905.2 and the shingle manufacturer's minimum requirements.
- 6.1.1 Underlayment shall be acceptable to CertainTeed, LLC and shall hold current Florida Statewide Product Approval, or be Locally Approved per Rule 61G20-3, 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-Caulk 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



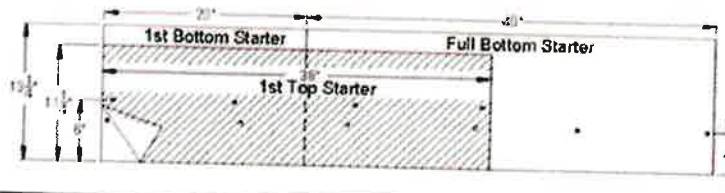
6.5 PRESIDENTIAL® STARTER AND PRESIDENTIAL® STARTER IR:

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



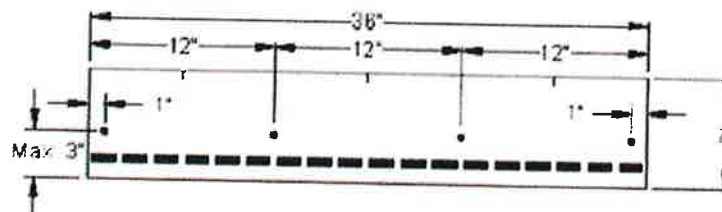
6.6 UNIVERSAL STARTER:

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 ≤ 5", 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.

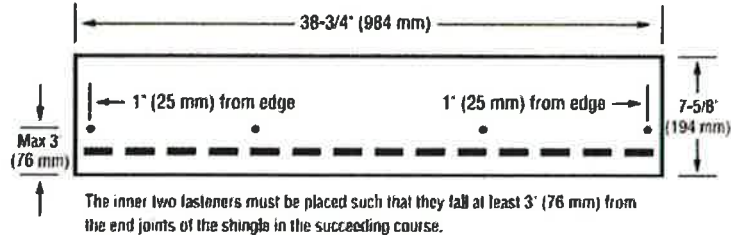
Fastening: Use four nails on these starter shingles as shown below. The sealant on starter courses shall lie as close as possible to the eaves edge of the roof. Nails shall be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. Nails are to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

UNIVERSAL STARTER SHINGLES



6.7 SWIFTSTART® STARTER SHINGLE:

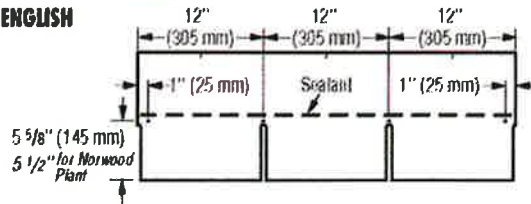
Fastening: Use four nails, located as shown below



6.8 CT 20™, XT™ 25, XT™ 30 IR:

LOW AND STANDARD SLOPE

ENGLISH



METRIC

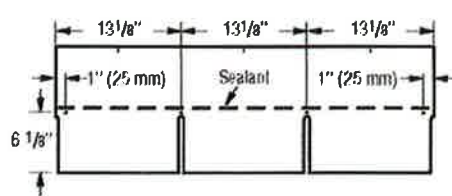
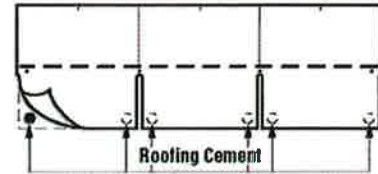


Figure 11-3: Use four nails for every full shingle.

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.



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.

Hip & Ridge: Cut Shingles

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.

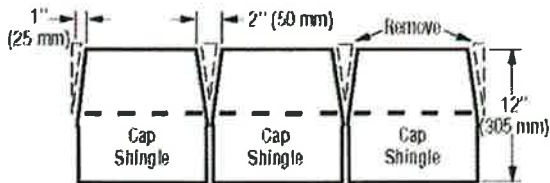


Figure 11-24: Cut tabs, then trim back to make cap shingles (English dimensions shown).

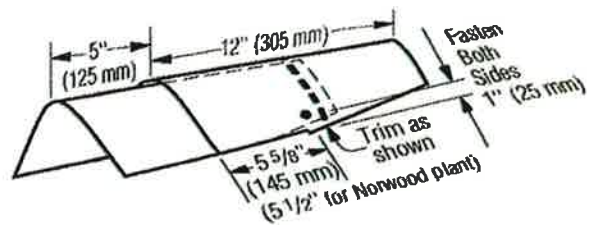


Figure 11-25: Installation of caps along the hips and ridges.

6.9 ARCADIA™:

LOW AND STANDARD SLOPE

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

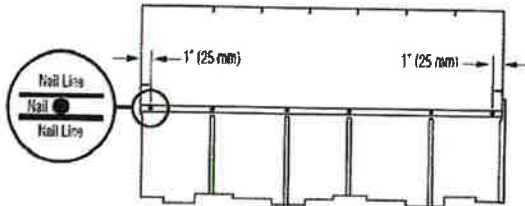


Figure 2: Use six nails for every full shingle.

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.

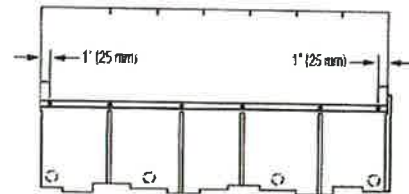
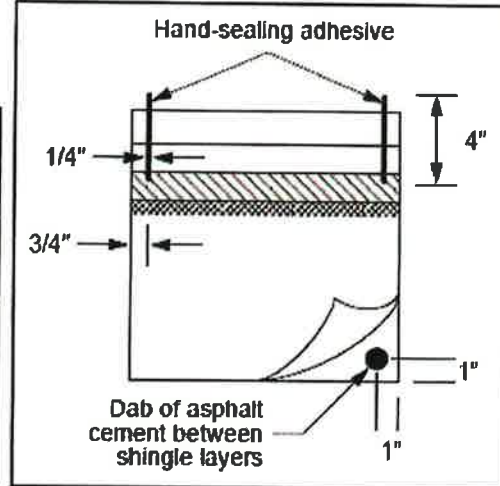
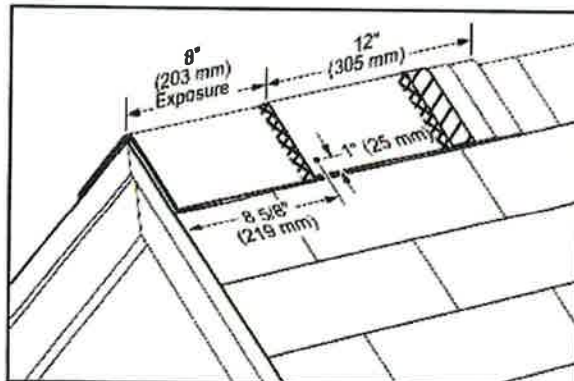


Figure 3: Use six nails and four spots of asphalt roofing cement on steep slopes.

Hip & Ridge: Cedar Crest® or Cedar Crest® IR

Use two (2), minimum 1¾-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.

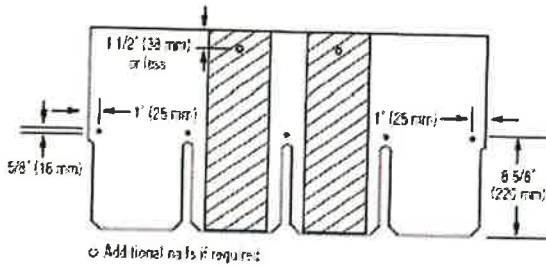
Note: The use of BASF "Sonolastic® NP1™" adhesive or Henkel "PL® Polyurethane Roof & Flashing Sealant" in accordance with CertainTeed requirements is required for the ASTM D3161, Class F wind rating.



6.10 BELMONT® OR BELMONT® IR:

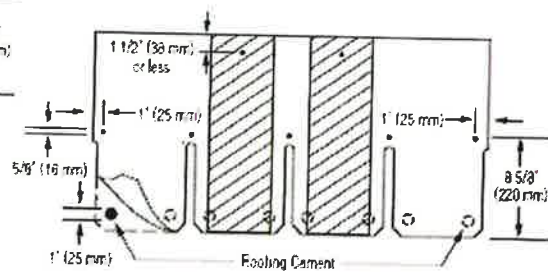
**Low and Standard Slope
(2:12 to 21:12):**

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



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.



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.

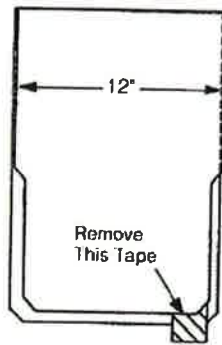


Figure 17-18: Shangle® Ridge.

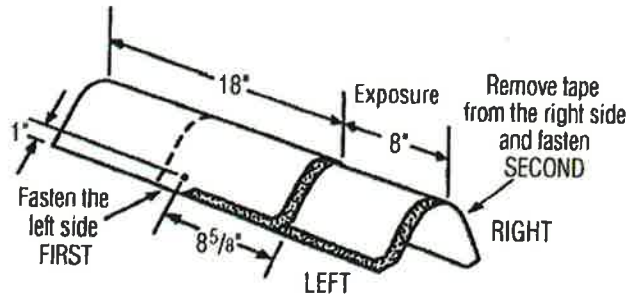


Figure 17-19: Installation of Shangle® Ridge shingles on hips and ridges.



6.11 CARRIAGE HOUSE® AND GRAND MANOR®:

LOW AND STANDARD SLOPE

Use five nails for every full Shingle.

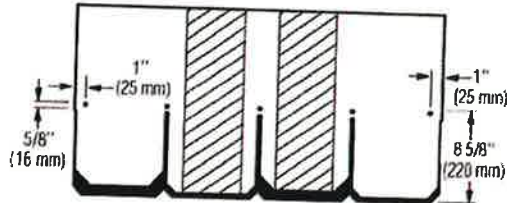


Figure 17-4: Use five nails for every full Grand Manor Shingle, Carriage House Shingle, or Centennial Slate.

STEEP SLOPE

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

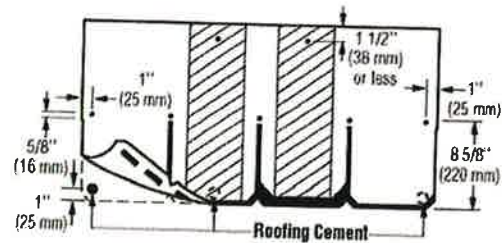
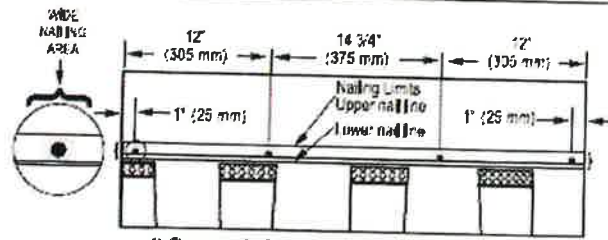


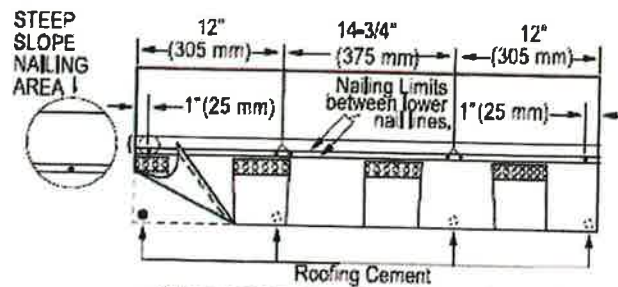
Figure 17-5: When installing Grand Manor Shingles on steep slopes, use seven nails and three spots of asphalt roofing cement.

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

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



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



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

Hip & Ridge:

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

Option 2: NorthGate® Accessory or Shadow 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. (Use of sealant is optional for Shadow Ridge® produced in Oxford, NC.)

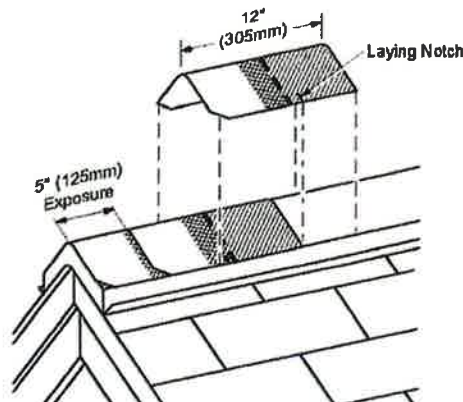
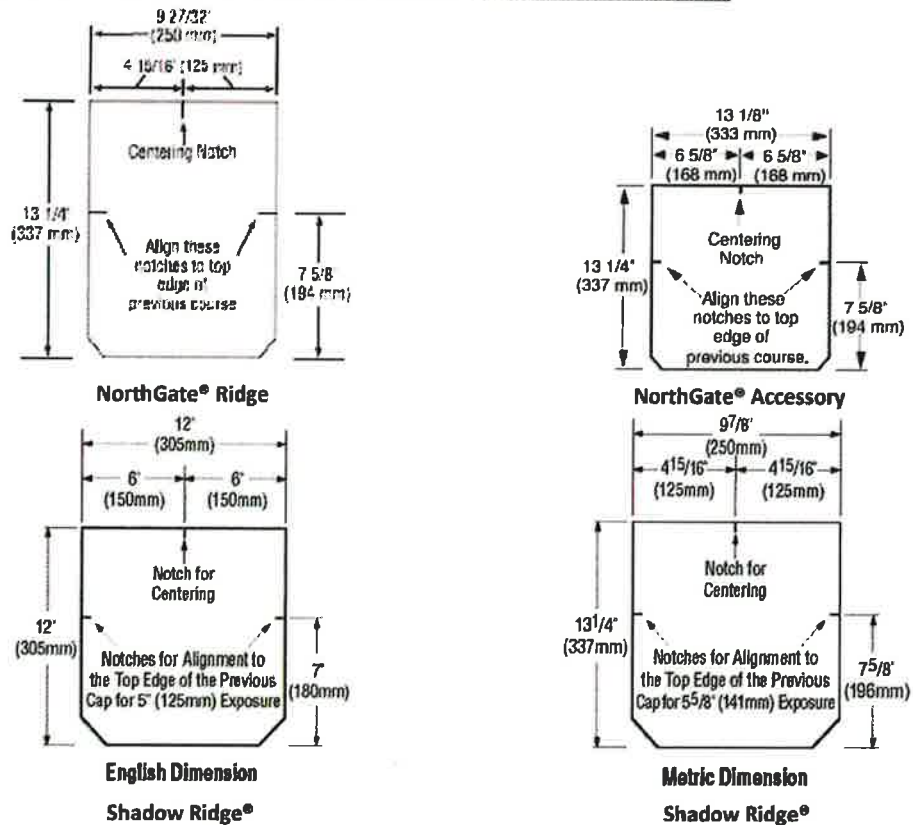


Figure 13-20: Use laying notches to center shingles on hips and ridges, and to locate the correct exposure.

6.13 LANDMARK® TL:

LANDMARK TL

LANDMARK TL

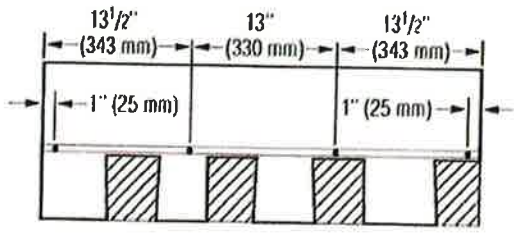


Figure 13-4: Use four nails for every full shingle.

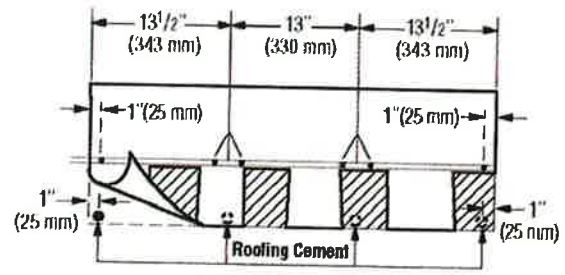


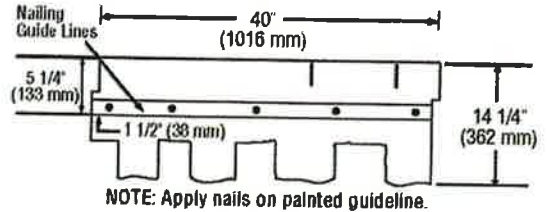
Figure 13-5: Use six nails and four spots of asphalt roofing cement on steep slopes.

Hip & Ridge: Refer to instructions for Cedar Crest®, Cedar Crest® IR, NorthGate® Accessory 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.

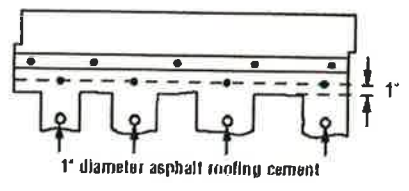


Figure 16-7: Fastening Presidential and Presidential TL Shake shingles on steep slopes.

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

6.15 HIGHLAND SLATE®:

LOW AND STANDARD SLOPE:

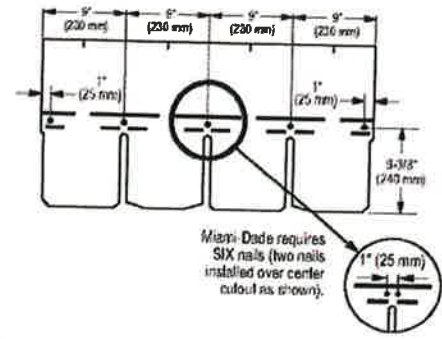


Figure 11-3: Use FIVE nails for every Highland Slate shingle.

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.

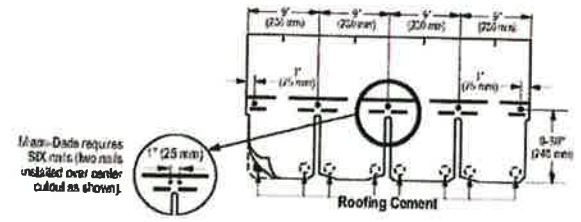


Figure 11-3a: Use FIVE nails and eight spots of asphalt roofing cement under each tab corner.

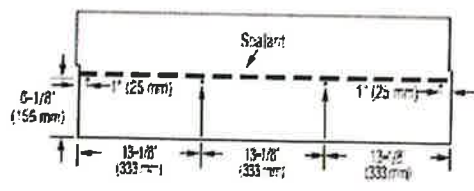
*CAUTION: Excessive use of roofing cement can cause shingles to blister.

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

6.16 PATRIOT:

LOW AND STANDARD SLOPE

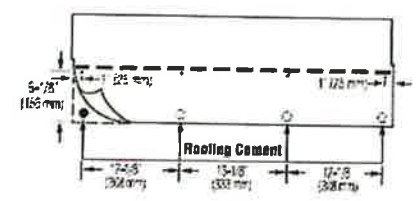
Use FOUR nails for every full shingle located as shown below.



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, NorthGate® Accessory, Shadow Ridge® or Shangle 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 -

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Product Approval
 USER: Public User

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FL #	FL18374-R5
Application Type	Revision
Code Version	2020
Application Status	Approved
Comments	
Archived	
Product Manufacturer	Continental Materials Inc.
Address/Phone/Email	1614 Old York Road Abington, PA 19001 (800) 247-6637 miked@continentalmaterials.com
Authorized Signature	DiStefano Mike miked@continentalmaterials.com
Technical Representative	
Address/Phone/Email	
Quality Assurance Representative	
Address/Phone/Email	
Category	Roofing
Subcategory	Underlayments
Compliance Method	Evaluation Report from a Florida Florida Professional Engineer Evaluation Report - Hardcopy
Florida Engineer or Architect Name who developed the Evaluation Report	Zachary R. Priest
Florida License	PE-74021
Quality Assurance Entity	Intertek Testing Services NA, Inc

Quality Assurance Contract Expiration Date 12/31/2024
 Validated By Steven M. Urich, PE
 - Validation Checklist - Hardcop

Certificate of Independence [FL18374 R5 COI CMI15001.5 2](#)

Referenced Standard and Year (of Standard) **Standard**
 ASTM D 1970
 ASTM D 226
 ASTM D 4533
 TAS 117(B)

Equivalence of Product Standards
 Certified By

Sections from the Code

Product Approval Method Method 1 Option D

Date Submitted 10/21/2020
 Date Validated 10/23/2020
 Date Pending FBC Approval 10/28/2020
 Date Approved 12/15/2020

Summary of Products

FL #	Model, Number or Name	Description
18374.1	Continental Materials SecurGrip Underlayments	Synthetic underlayermer 226, Type I and Type I
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: See evaluation report for limits of use.		Installation Instruct FL18374 R5 II CMI1 final.pdf Verified By: Zachary F Created by Independe Evaluation Reports FL18374 R5 AE CMI final.pdf Created by Independe

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

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Product Approval Accepts:



Credit Card
Safe

SECURITYMETRICS



CREEK

TECHNICAL SERVICES, LLC

Certificate of Authorization No. 29824
 17520 Edinburgh Drive
 Tampa, FL 33647
 (813) 480-3421

EVALUATION REPORT

FLORIDA BUILDING CODE 7TH EDITION (2020)

Manufacturer: CONTINENTAL MATERIALS, INC.
 1614 Old York Road
 Abington, PA 19001
 (800) 247-6637
www.continentalmaterials.com

Issued October 16, 2020

Quality Assurance: Intertek Testing Services (QUA1586)

SCOPE

Category: Roofing
Subcategory: Underlayments
Code Edition: Florida Building Code, 7th Edition (2020) including High-Velocity Hurricane Zones (HVHZ)
Code Sections: 1507.1.1, 1518.4
Properties: Physical properties

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
Intertek Testing Services (TST1585)	102074565COQ-004	AC 188 ¹	2012
Intertek Testing Services (TST1585)	102074565COQ-004A	AC 188 ¹	2012
Intertek Testing Services (TST1585)	102074565COQ-007	ASTM D 226	2009
Intertek Testing Services (TST1585)	103796960COQ-003D	AC 188 ¹	2012
Intertek Testing Services (TST1585)	103796960COQ-004B	ASTM D 1970	2015a
Intertek Testing Services (CER1497)	CCRR-1045	IBC, IRC	2012
PRI Construction Materials Technologies (TST5878)	CMI-048-02-01A	ASTM D 226	2009
PRI Construction Materials Technologies (TST5878)	CMI-048-02-01B	ASTM D 226	2009
PRI Construction Materials Technologies (TST5878)	CMI-048-02-01C	ASTM D 226	2009
PRI Construction Materials Technologies (TST5878)	CMI-055-02-01	ASTM D 4533	2015
PRI Construction Materials Technologies (TST5878)	CMI-056-02-01	ASTM D 4533	2015
PRI Construction Materials Technologies (TST5878)	CMI-062-02-01	TAS 117(B)	1995

¹Determined to be equivalent to ASTM D 226 (2009), Type I and II

PRODUCT DESCRIPTION

SecureGrip PRO™	A mechanically attached, woven polypropylene underlayment (nominal weight = 1.74 lb/100ft ²) used as an alternative to ASTM D 226, Type I and Type II with a minimum tear strength per ASTM D 4533 of 15 pounds, a minimum tensile strength per ASTM D 5035 of 20 pounds/inch, and meets liquid water transmission test of Section 8.6 of ASTM D 4869. The underlayment is available in rolls 48-inch wide by 250-ft long.
SecureGrip25™	A mechanically attached, woven polypropylene underlayment (nominal weight = 2.05 lb/100ft ²) used as an alternative to ASTM D 226, Type I and Type II with a minimum tear strength per ASTM D 4533 of 15 pounds, a minimum tensile strength per ASTM D 5035 of 20 pounds/inch, and meets liquid water transmission test of Section 8.6 of ASTM D 4869. The underlayment is available in rolls 48-inch wide by 250-ft long.
SecureGrip™ PLUS	A mechanically attached, woven polypropylene underlayment (nominal weight = 2.46 lb/100ft ²) used as an alternative to ASTM D 226, Type I and Type II with a minimum tear strength per ASTM D 4533 of 15 pounds, a minimum tensile strength per ASTM D 5035 of 20 pounds/inch, and meets liquid water transmission test of Section 8.6 of ASTM D 4869. The underlayment is available in rolls 48-inch wide by 250-ft long.
SecureGripMAX™	A mechanically attached, woven polypropylene underlayment (nominal weight = 3.69 lb/100ft ²) used as an alternative to ASTM D 226, Type I and Type II with a minimum tear strength per ASTM D 4533 of 15 pounds, a minimum tensile strength per ASTM D 5035 of 20 pounds/inch, and meets liquid water transmission test of Section 8.6 of ASTM D 4869. The underlayment is available in rolls 48-inch wide by 250-ft long.
SecureGrip™ PS MAX HT	A self-adhered, polymer-modified bitumen underlayment with a synthetic facer (nominal weight = 18.5 lb/100ft ²) used as an alternative to ASTM D 226, Type I and Type II and ASTM D 1970 with a minimum tear strength per ASTM D 1970 of 20 pounds. The underlayment is available in rolls of 36-inch wide by 72 ft long.

APPLICATION INSTRUCTIONS FOR SECUREGRIP PRO™, SECUREGRIP25™, AND SECUREGRIP™ PLUS

Deck Type:	The roof deck shall be constructed of closely fitted, solid sheathing for new or existing construction. Sheathing shall be installed in accordance with FBC requirements. New construction in the HVHZ shall be minimum 19/32-inch plywood. Roof decks shall have no more than 1/8-inch gap at abutting joints.
Attachment method (non-HVHZ):	Underlayment shall be attached in accordance with the FBC Section 1507.1.1, Table 1507.1.1.1 and manufacturer's installation instructions. Use of 1-inch diameter plastic cap nails where the ultimate design wind speed, V_{ult} , equals or exceeds 170mph is permissible with the following provisions: 1) The attachment density shall be increased by a factor of 3 for SecureGrip PRO™ , SecureGrip25™ , and SecureGrip™ PLUS 2) The attachment density shall be increased by a factor of 2 for SecureGripMAX™
Attachment method (HVHZ):	Underlayment shall be installed with a minimum 4-inch head lap and minimum 6-inch end lap and be fastened as specified in FBC Section 1518.2.
Allowable roof coverings (Non-HVHZ):	Mechanically attached roof systems as prescribed in FBC Table 1507.1.1.1.
Allowable roof coverings (HVHZ):	Underlayment shall be used with mechanically attached asphalt shingles, metal roof panels and shingles, composite shingles and wood shingles and shakes

APPLICATION INSTRUCTIONS FOR SECUREGRIP™ PS MAX HT

Application: *All underlayments shall be installed in accordance with the FBC.*

Deck substrates shall be clean, dry, and free from any irregularities and debris. All fasteners in the deck shall be checked for protrusion and corrected prior to underlayment application. Prior to beginning installation, the underlayment shall be unrolled and allowed to relax for a minimum of 3-5 minutes.

The underlayment shall be installed with the release backer removed and pressed firmly into place to ensure complete contact with the deck. The underlayment shall be installed with the roll length parallel to the eave, starting at the eave, and with minimum 3" side laps and minimum 6" end laps staggered min. 6-ft. from preceding course.

In the HVHZ, the underlayment shall be installed over one of more plies of ASTM D 226 Type II or ASTM D 2626 organic felt with minimum 4" head laps and minimum 6" end laps in accordance with FBC Section 1518.3.

It is permissible to back nail the underlayment 12-inches on-center as needed (nails shall be installed perpendicular to deck with the nail heads flush to the top surface of the underlayment).

Min. Application Temperature: 40°F; *Contact the manufacturer when installing at temperatures below the minimum application temperature.*

Allowable roof coverings (Non-HVHZ): Mechanically attached roof systems as prescribed in FBC Section 1507.1.1.

Allowable roof coverings (HVHZ): Underlayment shall be used with mechanically attached asphalt shingles, metal roof panels and shingles, composite shingles and wood shingles and shakes

LIMITATIONS

- 1) Fire Classification is not within the scope of this evaluation.
- 2) Wind uplift resistance is not within the scope of this evaluation.
- 3) Installation of the evaluated product shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
- 4) Deck substrates shall be clean, dry, and free from any irregularities and debris. All fasteners in the deck shall be checked for protrusion and corrected prior to underlayment application.
- 5) Roof slope limitations shall be in accordance with FBC requirements.
- 6) All underlayments shall be installed with the roll length parallel to the eave, starting at the eave, and lapped in success courses installed up the deck in a manner that effectively sheds water from the deck.
- 7) The underlayment may be used as described in other current FBC product approval documents.
- 8) Roof coverings shall not be adhered directly to the underlayment. Roof coverings shall be mechanically fastened through the underlayment to the roof deck.
- 9) The underlayment shall not be installed over existing roof coverings.
- 10) The underlayment shall be exposed on the roof deck for a maximum 30 days unless otherwise stated.
- 11) All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 7th Edition (2020) including High-Velocity Hurricane Zones (HVHZ) as evidenced in the referenced documents submitted by the named manufacturer.




Digitally signed by Zachary R. Priest

2020.10.16

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

CERTIFICATION OF INDEPENDENCE

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

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

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

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

END OF REPORT

RECEIVED
BY: MAR 30 2021



Ron DeSantis, Governor

Halsey 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

SAMPSON, KRISTOFFER ANTHONY
REVOLUTION CONTRACTORS ROOFING AND SOLAR, LLC
2500 MUSSELWHITE AVE
ORLANDO FL 32804

LICENSE NUMBER: CCC1331227

EXPIRATION DATE: AUGUST 31, 2022

Always verify licenses online at 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.

ACORD™

Client#: 1890972

04REVOLCON

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
3/30/2021

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 any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER McGriff Insurance Services 7701 Airport Center Dr Suite 1800 Greensboro, NC 27409		CONTACT NAME: PHONE (A/C, No, Ext): 888 743-2217 E-MAIL ADDRESS: FAX (A/C, No): 8888279861	
INSURED Revolution Contractors Roofing & Solar LLC 2500 Mussel White Ave Orlando, FL 32804		INSURER(S) AFFORDING COVERAGE INSURER A : United Specialty Insurance Co NAIC # 12537 INSURER B : Auto Owners Insurance 18988 INSURER C : INSURER D : INSURER E : INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> BI/PD Ded:1,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			DCG0537203	06/26/2020	06/26/2021	EACH OCCURRENCE	\$1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$100,000
							MED EXP (Any one person)	\$5,000
							PERSONAL & ADV INJURY	\$1,000,000
							GENERAL AGGREGATE	\$2,000,000
							PRODUCTS - COMP/OP AGG	\$2,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY			5154531100	12/14/2020	12/14/2021	COMBINED SINGLE LIMIT (Ea accident)	\$500,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB OCCUR CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE	OTH-ER
							E.L. EACH ACCIDENT	\$
							E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$

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

**** Supplemental Name ****
First Supplemental Name applies to all policies - Revolution Contractors Roofing And
Policy# 5154531100 - Doing Business As: Solar Lic

CERTIFICATE HOLDER **CANCELLATION**

City of Belle Isle 1600 Nela Ave Orlando, FL 32809	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 <i>Lisa Murray</i>
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2020 - 2021



Local Business Tax Receipt

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

Business Name
REVOLUTION CONTRACTORS ROOFING
AND SOLAR LLC CCC1331227 KRISTOFFER
SAMPSON
2500 MUSSELWHITE AVE
ORLANDO, FL 32804

Business Owner
REVOLUTION CONTRACTORS ROOFING
AND SOLAR LLC

Business Location
2500 MUSSELWHITE AVE
ORLANDO, FL

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

Case Number: BUS-1003789

Issued Date: 08/20/2020

Expiration Date: 09/30/2021

Business type(s):

Description	Year
CONTRA 1524 CONTRACTOR DBPR	2021



Local Business Tax Receipt
City Hall, 400 South Orange Avenue, First Floor
Post Office Box 4990
Orlando, Florida 32802-4990

Phone: 407.246.2204 Fax: 407.246.3420

Email: businesstax@orlando.gov

Prompt! Interactive Voice Response System: 407.246.4444
Visit our website: orlando.gov/permits

Tax Collector Scott Randolph

Local Business Tax Receipt

Orange County, Florida

1806 CERT ROOF CONTRACT 2020 \$30.00

EXPIRES 9/30/2021
1 EMPLOYEE ;

1806-1198695

TOTAL TAX \$30.00
PREVIOUSLY PAID \$30.00
TOTAL DUE \$0.00

SAMPSON KRISTOFFER ANTHONY

REVOLUTION CONTRACTORS ROOFING AND SOLAR
2500 MUSSELWHITE AVE
ORLANDO FL 32804

2500 MUSSELWHITE AVE (MOBILE)
A - ORLANDO, 32804

PAID: \$30.00 0098-00956093 8/17/2020

Tax Collector Scott Randolph

Local Business Tax Receipt

Orange County, Florida

This local Business Tax Receipt is in addition to and not in lieu of any other tax required by law or municipal ordinance. Businesses are subject to regulation of zoning, health and other lawful authorities. This receipt is valid from October 1 through September 30 of receipt year. Delinquent penalty is added October 1.

1806 CERT ROOF CONTRACT 2020 \$30.00

EXPIRES 9/30/2021
1 EMPLOYEE ;

1806-1198695

TOTAL TAX \$30.00
PREVIOUSLY PAID \$30.00
TOTAL DUE \$0.00



SAMPSON KRISTOFFER ANTHONY

REVOLUTION CONTRACTORS ROOFING AND SOLAR
2500 MUSSELWHITE AVE
ORLANDO FL 32804

2500 MUSSELWHITE AVE (MOBILE)
A - ORLANDO, 32804

PAID: \$30.00 0098-00956093 8/17/2020

This receipt is official when validated by the Tax Collector.

Orange County Code requires this local Business Tax Receipt to be displayed conspicuously at the place of business in public view. It is subject to inspection by all duly authorized officers of the County.