

City of Belle Isle Job Site Permit Card ROOF 2021-04-021

Class: Residential Site Address: 4112 Playa Ct- Belle Isle, FL 32812

Parcel Number: 20-23-30-1646-00-270. Municipality Belle Isle INSPECTIONS CANNOT BE SCHEDULED IF A NOC IS PENDING FOR THIS PROJECT.

Description of Work: ROOF for SFR

ASPHALT SHINGLES with <u>underlayment</u> Square Footage: 3500.

Issued: GOLD KEY ROOFING LLC, HEWITT, JEFFREY ALLAN
License # CCC1329157 Contact # 407 851-0680
Payment/ Issued Date & Method: 4/5 / 2021

□ Picked up b	у		□ Sent by mail t	to the mailing address	 ≰ Emailed
Visa	□ Master Card	☐ Amex	☐ Discover	☐ Check / Money Order#	ŧ
07	67				

NEW ROOFS ONLY Code 700 Deck Nailing, Dry-In, Flashing Both new & re-roof Code 710 In - Progress Both new & re-roof Code 720 Final INSPECTOR DATE COMMENTS This inspection only applies for a brand new roof only! This inspection consists of all underlayment/black paper coverage and only 25% shingle coverage. After the In Progress has been passed, then the entire roof is covered with shingles.

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 BIDscheduling@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."



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811- 6
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.

PLEASE PRINT. The undersigned hereby applies	ROOF PERMIT NUMBER 201-64-0
Project Address 4112 PUANA C	T
Property Owner TRACY CUFF	Phone + 07 - 227 - 8312
Property Owner's Mailing Address 412 P	LAYA CT CITY ORLANDO
State_FL Zip Code 32812	Parcel Id Number: 20-23-30-1646-00-270
Class of Building: Old New Typ Type of Work: New Roof ReRoof	REQUIREDI To obtain this information, please visit http://www.ocpafl.org/Searches/ParcelSearch.asp e of Building: Residential Commercial Other
	IOTE: installation instructions must be posted on-site before your first inspection!!
Please indicate the nature of work by completing the info	ormation below:
Roof Square Footage: 35 0	Number of Stories: Job Valuation: \$_\(\frac{1}{5}\)550.00
Type: Asphalt Shingles Metal Metal	Modified Bitumen Other: est of my knowledge and make Application for Permit as outlined above, and if same is granted as and City Ordinances regulating same and in accordance.
collection and disposal services with the city limits of the 407-293-8000 to setup accounts for Commercial, Construction of the Construction of th	est of my knowledge and make Application for Permit as outlined above, and if same is granted as and City Ordinances regulating same and in accordance with plans submitted. The issuance olicable Town and/or State of Florida codes and/or ordinances. By signing below, I recognize provider of garbage, recycling, yard waste, and commercial garbage and construction debris City. Contractors, homeowners and commercial businesses may contact Republic Services at Cition Roll Off, or other services needed. Rates are fixed by contract and are available at City stract through its code enforcement office. Failure to comply will result in a stop work order. LICENSE # CCC1329157
LICENSE HOLDER NAME LEFFOR H	COMPANY NAMEGOLD KEY ROOFING
Street Address 1874 S. ORANGE I City ORUANIDO State Email Address 1851 Ca. 60 Old Koy I	ant -
	Building Fee \$ 100.00
Building Official:670	Date
	1% BCAIB Fee \$ 2.00
Verified Contractor's Licenses & Insurance are on	file
OD 1 St 2	Total Permit Fee \$ 139.00
has been issued.	pof Installation is associated with any construction or alteration where a Building Permit Building Permit Number

F	Permit Number:	16.00.270	DOC # 20210181411 03/31/2021 07:26 AM Page 1 of 1 Rec Fee: \$10.00 Deed Doc Tax: \$0.00 Mortgage Doc Tax: \$0.00
Ē	ORIANION FI 3380		Intangible Tax: \$0.00 Phil Diamond, Comptroller
	Return to: GOLD KEY ROOFING.		Orange County, FL Ret To: SIMPLIFILE LC
Č	RLANDO FL 8280L		
	NOTICE OF	COMMENCEMENT	
8	wie of Florida, County of Orange		
J W	he undersigned hereby gives notice that improvement the Chapter 713, Florida Statutes, the following information of the chapter 713 of the chapter	nt will be made to certai	n real property, and in accordance
1	Description of property (legal description of the	property, and street add	ress if available)
2	General description of improvement	UMON 5004 2/193 1	_07 74
3.	Name Tracy Clifford	Lessee contracted for	the improvement
	Address 4112 Playa C+	Orlando FL 328	riQ
	Name and address of fee simple titleholder (if Name	Nifferent from Our - I'-	7.
	NameAddress	amereni nom Owner list	ed above)
4.	Contractor		
	Name GOLD VEL POOFING Address HERY & DEAN TO MAKE OVE		hone Number 407-851-0680
5.	divery (if applicable, a copy of the payment hand i	Sattached)	<u> </u>
	NameAddress		none Number
6.	Lender		nt of Bond \$
	Name	-	
	Address		one Number
	Persons within the State of Florida designated be served as provided by §713.13(1)(a)7, Florida Name	Teleph	one Number
8.	In addition to himself or herself, Owner designa Notice as provided in §713.13(1)(b), Florida Stat Name	tes the following to re-	ceive a copy of the Lienor's
	Address	Telepho	one Number
9.	Expiration date of notice of commencement (the construction and final payment to the contractor, bu different date is specified)	expiration date may no f will be 1 year from the	t be before the completion of date of recording unless a
REC	INING TO OWNER: ANY PAYMENTS MADE BY THE OWNER CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 74 ULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOU ORDED AND POSTED ON THE JOB SITE BEFORE THE FIRS I YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING	AFTER THE EXPIRATION OF 3, PART I, SECTION 713.13, R PROPERTY, A NOTICE OF I INSPECTION, IF YOU INTE WORK OF RECORDING YO	F THE NOTICE OF COMMENCEMENT FLORIDA STATUTES, AND CAN F COMMENCEMENT MUST BE NO TO OBTAIN FINANCING, CONSULT DUR NOTICE OF COMMENCEMENT
fact	er penalty of perjury, I declare that I have read the stated in it are true to the best of my knowledge	e foregoing notice of a e and belief.	commencement and that the
Signa	ture of Owner or Lessee, or Owner's or Lessee's Authorized Office		_ (Owner
The f	Oreganing instance of	cer/Director/Partner/Manager	Signatory's Title/Office
	oregoing instrument was acknowledged before me t	his do day of 03 and	
as	Type of authority as a Owner	for month/yea	ner name of person
	Type of authority, e.g., officer, trustee, attorney in fact	Name of party on beha	alf of whom instrument was executed
-	Signature of Notary Public - State of Florida	Ashley Mi	chael Birard
		Print type hr stamp o	Annual Control of the
Perso Type	of ID Produced OR Produced ID X	Notary Pi	ICHAEL GIRARD ubic, State of Florida listion No. GG 17978 kon Expired January 9, 2022
State of F	LORIDA. County of ORANGE. 50, F.S., which defines and permits electronic signatures,	WARDON DADA	Form Revised: September 26, 2011
I certify the Official Re	at this is a true copy of the document as reflected in the	CEAL	
THE DIA	MOND, COUNT I COMPTRULLER	W DEVENDE	

Donite Compteellar

By Renee Simmons at 9:46 am, Mar 31, 2021

Data

RICK SINGH, CFA - ORANGE COUNTY PROPERTY APPRAISER

Searches

Sales Search

☐ Results

Property Record Card

My Favorites

Sign up for e-Notify...

4112 Playa Ct < 20-23-30-1646-00-270 >

Name(s)

Physical Street Address

Clifford Tracy

4112 Playa Ct

Mailing Address On File

Postal City and Zipcode

4112 Playa Ct

Orlando, Fl 32812

Belle Isle, FL 32812-2829

Property Use

Incorrect Mailing Address?

0103 - Single Fam Class III

Municipality Belle Isle



View 2020 Property Record Card

Property Features

Values, Exemptions and Taxes

Sales Analysis

Location Info

Market Stats

Update Information

View Plat

2021 values will be available in August of 2021.

Property Description

Total Land Area

CONWAY EAST 4/122 LOT 27

15,422 sqft (+/-) | 0.35 acres (+/-)

GIS Calculated

Notice

Land

Land Use Code	Zoning	Land Units	Unit Price	Land Value	Class Unit Price	Class Value
0100 - Single Family	R-1-AA	1 LOT(S)	working	working	working	working

Page 1 of 1 (1 total records)

Buildings

	Important Information		Structure			
D/A	Model Code:	01 - Single Fam Residence	Actual Year Built:	1976	Gross Area:	2429 sqft
More Details	Type Code:	0103 - Single Fam Class III	Beds:	3	Living Area:	1614 sqft
Dotalia	Building Value:	working	Baths:	2.0	Exterior Wall:	Concrete/Cinder Block
1	Estimated New Cost	working	Floors:	1	Interior Wall:	Drywall

Page 1 of 1 (1 total records)

Extra Features

Description	Date Built	Units	XFOB Value	
PL2 - Pool 2	01/01/1984	1 Unit(s)	working	
SCR2 - Scm Enc 2	01/01/2001	1 Unit(s)	working	

Page 1 of 1 (2 total records)

This Data Printed on 02/15/2021 and System Data Last Refreshed on 02/14/2021

What are you looking to do today? You can also type your question below.





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

				DEPMIT #	202/10	4021
+117. PX	HA CT					
product supplier.	The following inform	nation must be to	Approved products a	are listed online at walla	d approval numbe ww.floridabuild ble onsite for inspe	ers of the buildin ing.org or can b actions:
- I I I I I I I I I I I I I I I I I I I	must be posted o	n-site before yo	our first inspection!	1		
Manufacturer	<u>Model/Series</u>	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product
EXTERIOR D	OORS			WALL PA	NELS	Approval #
	A Company		Sliding		ENERGENER	REPORT OF THE PARTY OF THE PART
			Soffits		1	
			Storefront			
	1 10		Glass Block	WE TO THE	1	
			Other			
WINDOV	VS			ROOFING PRO	DDUCTS	
			Asphalt Shingles	CERTAINYEED	LANDWARK	55444-01
			Non Struct Metal		J. J	.0377414
			Roofing Tiles			
			Single Ply Roof			
			Underlayment (ESTAINTEED	STOUNTER	5710111 0
			Other	OCITIII VICCO	RDG PAGE	14174
	Kar (Eq.)		the Feynman's	EXCESS WELL		
STRUCTURAL COM	IPONENTS			OTHER	9120579257	2000 CM
					THE RESIDENCE	
- 1				The Control		
				Car vage 21 s		
	Statue 553.842 and of they will be utilized product supplier. The status of they will be utilized product supplier. The status of they will be utilized product supplier. The status of the status	Statue 553.842 and Florida Administration of they will be utilized on the building product supplier. The following information instructions must be posted or	Statue 553.842 and Florida Administrative Code 9B of they will be utilized on the building or structure. FL product supplier. The following information must be to eation instructions must be posted on-site before your manufacturer Model/Series FL Product Approval # EXTERIOR DOORS WINDOWS	Statue 553.842 and Florida Administrative Code 9B-72m, please provide if they will be utilized on the building or structure. FL Approved products a product supplier. The following information must be turned in with permit a cation instructions must be posted on-site before your first inspection! Manufacturer Model/Series FL Product Approval #	Statue 553.842 and Florida Administrative Code 9B-72m, please provide the information and virit they will be utilized on the building or structure. FL Approved products are listed online at with product supplier. The following information must be turned in with permit application and available ation instructions must be posted on-site before your first inspection! Manufacturer	Statue 553.842 and Florida Administrative Code 9B-72m, please provide the information and approval number of they will be utilized on the building or structure. FL Approved products are listed online at

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 3 26/21

Business & Professional Regulation



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Product Approval Menu > Product or Application Search > Application List > Application Detail

Application Type Code Version Application Status FL5444-R16

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 Robert Nieminen

Evaluation Report

Validated By

Florida License Quality Assurance Entity PE-59166

UL LLC

Quality Assurance Contract Expiration Date

11/13/2022

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)

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

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

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
Approved for a Impact Resistance Design Pressu		Installation Instructions FL5444 R16 II 2020 07 24 FINAL ER CERTAINTEED FL5444- R16.pdf Verified By: Robert Nieminen, PE PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL5444 R16 AE 2020 07 24 FINAL ER CERTAINTEED FL5444- R16.pdf Created by Independent Third Party: Yes





Contact Us:: 2601 Blair Stone Road, Yallahassee 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 mall. 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 https://example.com/heapter-455, F.S., please click <a href="https://example.com/heapter-4

Product Approval Accepts:















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 **7**th **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

55.75 OF 33

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.

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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. S	iTANDARDS:			
		Property	Standard	Year
		Material standard	ASTM D3462	2010
		Wind resistance	ASTM D3462	2016
		Wind resistance	ASTM D3101	2019
1.	.307.2.7.1, N303.2.0.1	Willia resistance	A31101 D7138	2013
3. R	REFERENCES:			地斯特地 会
E	intity	Examination	Reference	<u>Date</u>
Р	PRI (TST 5878)	ASTM D3161	256T0015	08/12/2019
U	JL (TST 1740)	ASTM D3161	99NK26506	11/23/1999
U	JL (TST 1740)	ASTM D3161	03CA12702	05/27/2003
U	JL (TST 1740)	ASTM D3161	03CA12702	06/16/2003
U	JL (TST 1740)	ASTM D3161	03NK29847	10/03/2003
U	JL (TST 1740)	ASTM D3161	04CA11329	05/24/2004
U	JL (TST 1740)	ASTM D3161	04CA32986	12/03/2004
U	JL (TST 1740)	ASTM D3161	05NK07049	04/15/2005
U	JL (TST 1740)	ASTM D3161	05NK16778	05/12/2005
U	JL (TST 1740)	ASTM D3161	05CA16778	05/12/2005
U	JL (TST 1740)	ASTM D3161	05NK14836	05/22/2005
U	JL (TST 1740)	ASTM D3161	05NK22800	06/22/2005
U	JL (TST 1740)	ASTM D3462	R684	09/21/2005
U	JL (TST 1740)	ASTM D7158	05NK08037	06/28/2006
U	JL (TST 1740)	ASTM D3161 & D3462	09CA28873	07/23/2009
U	JL (TST 1740)	ASTM D3462	10CA41303	10/07/2010
U	JL (TST 1740)	ASTM D3161	10CA41303	10/08/2010
U	JL (TST 1740)	ASTM D7158	10CA41303	10/27/2010
U	JL (TST 1740)	ASTM D3161 & D3462	10CA44960	11/11/2010
	JL LLC (TST 9628)	ASTM D3161, D3462 & D7158	13CA32897	11/21/2013
U	JL LLC (TST 9628)	ASTM D3161, D3462	TFWZ.R684	04/22/2014
U	JL LLC (TST 9628)	ASTM D7158	TGAH.R684	04/22/2014
U	JL LLC (TST 9628)	ASTM D3161 & D3462	4786334434	09/16/2014
U	JL LLC (TST 9628)	ASTM D3161 & D3462	4786570826	02/12/2015
U	JL LLC (TST 9628)	ASTM D3161	4786821352	02/21/2015
U	JL LLC (TST 9628)	ASTM D3161, D3462 & D7158	4786570717	12/16/2015
U	JL LLC (TST 9628)	ASTM D3161 & D3462	4787195678	02/09/2016
U	JL LLC (TST 9628)	ASTM D3161, D3462 & D7158	4787592174	10/21/2016
υ	JL LLC (TST 9628)	ASTM D3161, D3462 & D7158	4787380356	10/26/2016
L	JL LLC (TST 9628)	ASTM D3462	4787380357	10/13/2016
L	JL LLC (TST 9628)	ASTM D7158	4787380357	11/08/2016
ι	JL LLC (TST 9628)	ASTM D3161	4787380357	11/09/2016
L	JL LLC (TST 9628)	ASTM D3161, D3462 & D7158	4787586427	01/25/2017
ι	JL LLC (TST 9628)	ASTM D3161 & D3462	4788042412	11/15/2017
L	JL LLC (TST 9628)	ASTM D3161, D3462 & D7158	4788362767	03/03/2018
	JL LLC (QUA 9625)	Quality Control	Service Confirmation	11/13/2019



	TA	BLE 1: ASPHALT SHINGLE COMPONENTS		
	1	ROLE 1. ASPRALI SHINGLE COMPONENTS	Material	
Туре	Product	Description	Material Standard	Plant(s)
	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)
Starter Strips	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
	CT 20™		ASTM D3462	LA, NC
	CT 20™ Metric	Fibereles with 1241		OR
	XT™ 25	Fiberglass reinforced, 3-tab asphalt		LA, MN, NC, OH
	XT™ 25 Metric	roof shingle		OH, OR
į	XT™ 30 IR			LA
	Highland Slate®	Fiberglass reinforced, 4-tab asphalt roof shingle	ASTM D3462	NC
	Arcadia™		ASTM D3462	CA(F)
	Belmont®			NC NC
	Belmont® IR			NC
	Carriage House®			NC NC
	Grand Manor®			NC NC
	Landmark®			CA(W), GA, LA, MA, MO MN, NC, OH, OR, TX
Asphalt	Landmark® Pro	Fiberglass reinforced, laminated asphalt roof shingle		CA(W), GA, MA, MO, MI OH, NC
hingles	Landmark® Pro Architect 80	l l		OR
-	Landmark Pro Solaris®			CA(W)
	Landmark® Premium			CA(W), MA, MN, OR, N
	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®			CA(F), MN
	Presidential Shake® IR]		MN
	Presidential Shake® TL	Fiberglass reinforced, architectural	ASTM D3462	CA(F), MN
	Presidential Solaris®	asphalt roof shingle		CA(F)
	Presidential TL Solaris			CA(F)

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



	TABLE 1 (CONTINUED): ASPHALT SHINGLE COMPONENTS							
Туре	Product	Description	Material Standard	Plant(s)				
	Shangle Ridge®		ASTM D3462	NC				
	Shadow Ridge®		ASTM D3462	MA, MN, NC, OH				
Hip &	Shadow Ridge® Metric		ASTM D3462	OR				
Ridge	Cedar Crest®	Fiberglass reinforced accessory	None	NC				
Shingles	Cedar Crest® IR	shingles for hip and ridge installation	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 <u>Wind Classification:</u> 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® 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						
Туре	Product	FBC Table 1507.2.7.1 or R905.2.6.1				
	High-Performance Starter	ASTM D3161, Class F				
Presidential® Starter Presidential® Starter IR SwiftStart® Starter Shingle Universal Starter	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				
	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)				
Hip & Ridge	Shadow Ridge [®] Metric (OR production)	ASTM D3161, Class F (sealant required, See Section 6)				
Shingles	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 ≤ 5".



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:

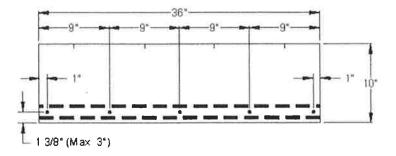
- 6.1 Roof deck, slope, underlayment and fasteners shall comply with FBC 1507.2 / R905.2 and the shingle manufacturer's minimum requirements.
- 6.1.1 Underlayment shall be acceptable to CertainTeed, LLC and shall hold current Florida Statewide Product Approval, or be Locally Approved per Rule 61G20-3,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



Page 6 of 14



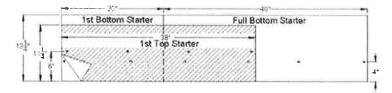
6.5 PRESIDENTIAL® STARTER AND PRESIDENTIAL® STARTER IR:

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



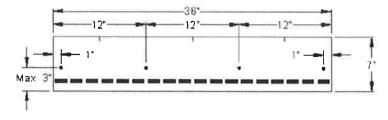
6.6 **UNIVERSAL STARTER:**

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.

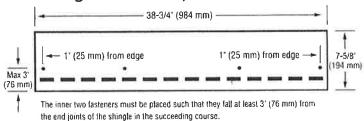
UNIVERSAL STARTER SHINGLES





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

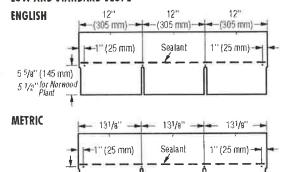
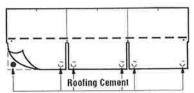


Figure 11-3: Use four nails for every full sbingle.

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 lab 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

6 1/8

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.

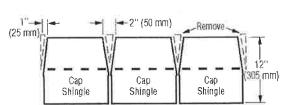


Figure 11-24: Cut tabs, then trim back to make cap shingles (English dimensions shown).

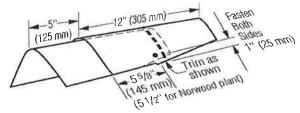


Figure 11-25: Installation of caps along the bips and ridges.



6.9 ARCADIA™:

LOW AND STANDARD SLOPE

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

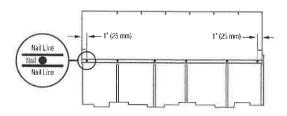


Figure 2: Use six nails for every full shingle.

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.

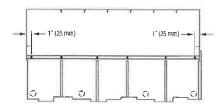
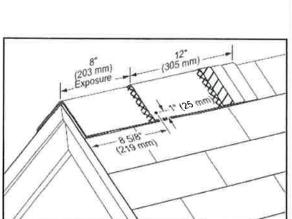


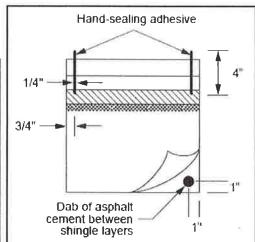
Figure 3: Use six nails and four spots of asphalt roofing cement on steep slopes.

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

Use two (2), minimum 1%-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 %-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.



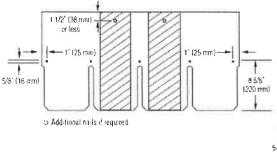




6.10 BELMONT® OR BELMONT® IR:

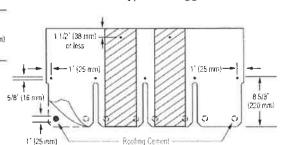
Low and Standard Slope (2:12 to 21:12):

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 Belr

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.

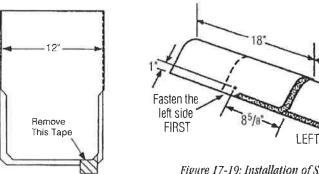


Figure 17-18: Shangle* Ridge.

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

Exposure

Remove tape

from the right side and fasten SECOND

RIGHT



6.11 CARRIAGE HOUSE® AND GRAND MANOR®:

LOW AND STANDARD SLOPE

Use five nails for every full Shangle.

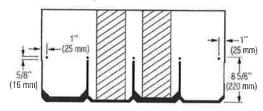


Figure 17-4: Use five nails for every full Grand Manor Sbangle. Carriage House Sbangle, or Centennial Slate.

STEEP SLOPE

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

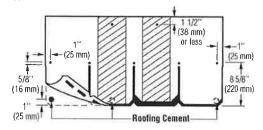
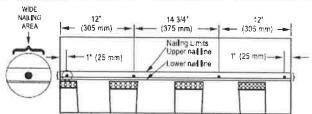


Figure 17-5: When installing Grand Manor Shangles on steep slopes, use seven nails and three spots of asphalt roofing cement.

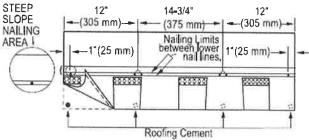
Hip & Ridge: Refer to instructions for Shangle® Ridge.

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



Nating areas for low and standard slopes (from 2:12 to 21:12)

Nati 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.)

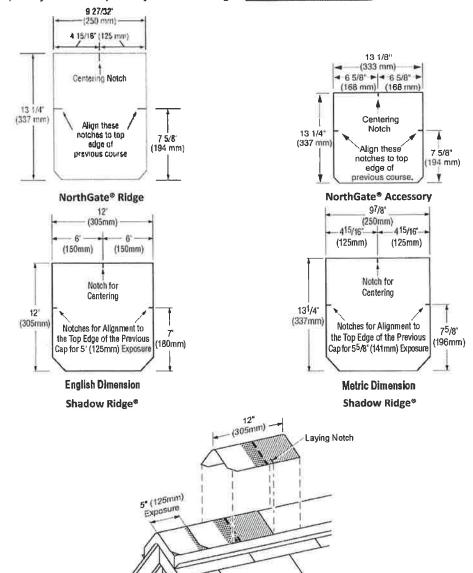


Figure 13-20: Use laying notches to center shingles on bips and ridges, and to locate the correct exposure.



6.13 LANDMARK® TL:

LANDMARK TL

LANDMARK TL

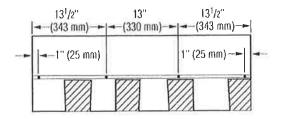


Figure 13-4: Use four nails for every full shingle.

13¹/₂" 13" 13¹/₂" (343 mm) (330 mm) (343 mm) 1"(25 mm) 1"(25 mm) 1"(25 mm) (25 mm)

Figure 13-5: Use stx 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.

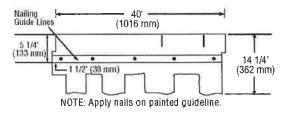


Figure 16-6: Fastening Presidential and Presidential TL Sbake sbingles on low and standard slopes.

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.

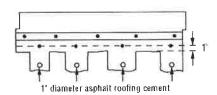


Figure 16-7: Fastening Presidential and Presidential T/L Sbake sbingles on steep slopes.

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



6.15 HIGHLAND SLATE®:

LOW AND STANDARD SLOPE:

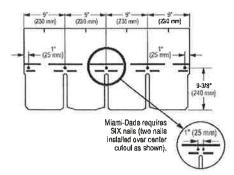


Figure 11-3: Use FIVE nails for every Highland Slate sbingle.

STEEP SLOPE:

Use FIVE nails and BIGHT spots of asphalt roofing cement* for each full Highland State shingle. For Mianti-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.

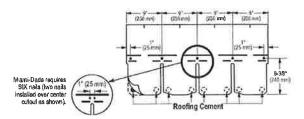


Figure 11-3A: Use FIVE nails and eight spots of asphalt roofing cement under each tab corner.

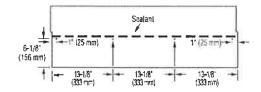
*CAUTION: Excessive use of roofing cement can cause shingles to blister.

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

6.16 PATRIOT:

LOW AND STANDARD SLOPE

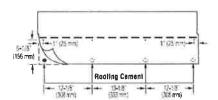
Use FOUR nails for every full shingle located as shown below.



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 -

Business & Professional Regulation







Product Approval Menu > Product or Application Search > Application List > Application Detail

Application Type Code Version Application Status FL21841-R6

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

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 Robert Nieminen

Evaluation Report

Florida License Quality Assurance Entity

PE-59166

QAI Laboratories

Quality Assurance Contract Expiration Date Validated By

06/12/2022

John W. Knezevich, PE

Validation Checklist - Hardcopy Received

Certificate of Independence

FL21841 R6 COI 2020 D1 COI NIEMINEN.pdf

Referenced Standard and Year (of Standard)

Standard <u>Year</u> **ASTM D4533** 2015 **ASTM D4798** 2011 **ASTM D4869** 2016 **ASTM D5035** 2011 TAS 117(B) 1995

Equivalence of Product Standards Certified By

Product Approval Method Method 1 Option D

Date Submitted 10/23/2020

 Date Submitted
 10/22/2020

 Date Validated
 10/23/2020

 Date Pending FBC Approval
 10/28/2020

 Date Approved
 12/16/2020

Summary of Products

FL#	Model, Number or Name	Description
21841.1 RoofRunner and DiamondDeck		scrim-reinforced, polymer-based roof underlayments, with quality assurance by QAI Laboratories.
Approved for Impact Resis Design Press		Installation Instructions FL21841 R6 II 2020 10 16 FINAL CERTAINTEED RR DD DADRA, INDIA FL21841-R6.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL21841 R6 AE 2020 10 16 FINAL CERTAINTEED RR DD DADRA INDIA FL21841-R6.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:

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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

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

Evaluation Report 13500.02.17-R6

FL21841-R6

Date of Issuance: 02/10/2017

Revision 6: 10/16/2020

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: RoofRunner™ and DiamondDeck®

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|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 4.

Prepared by:

Robert J.M. Nieminen, P.E.

Florida Registration No. 59166, Florida DCA ANE1983

CERTIFICATION OF INDEPENDENCE:

electronically signed document, 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

NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.

Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for

Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the

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

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The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 10/16/2020. This does not serve as an



ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category:

Roofing

Sub-Category:

Underlayment

Compliance Statement: RoofRunner™ and DiamondDeck®, 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.

STANDARDS:			
Code Section	Property	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) 1523.6.5.2.9	Liquid water transmission	ASTM D4869	2016
TAS 110	Rupture (pull-through)	TAS 117(B)	1995
172 110	Accelerated Weathering	ASTM D4798	2011

3.	REFERENCES:				JEAN
	Entity ERD (TST6049) ERD (TST6049) NEMO (TST6049) NEMO (TST6049) QAI (TST9808) QAI (TST9808) QAI (QUA7628) QAI (QUA7628)	Examination ASTM D4533 ASTM D4533 TAS 117(B) ASTM D4798, 4869, D5035 ASTM D4869 ASTM D4869 Traceability/Inspections Quality Control	Reference CTR-SC16080.10.17 ACT-SC16550.17 4i-CTR-19-SSCRT-01.A 4j-CTR-20-SSUDL-02.A RJ3502P-1 RJ3502P-2 Inspection Report Florida BCIS	Date 10/25/2017 10/18/2017 04/10/2019 10/16/2020 11/05/2014 11/05/2014 05/12/2020 Current	

4.	PRODUCT DESCR	RIPTION:	LESSIANIES	
	Product	Material Standard	Plant(s)	Description
l.1	RoofRunner™	1507.1.1.1(2&3, Exception), 1507.1.1.1(5) / R905.1.1.1(2&3, Exception), R905.1.1.1(5)	Dadra, India	scrim-reinforced, polymer-based roof underlayment; nominal 2.25 lbs/square
.2	DiamondDeck®	1507.1.1.1(2&3, Exception), 1507.1.1.1(5) / R905.1.1.1(2&3, Exception), R905.1.1.1(5)	Dadra, India	scrim-reinforced, polymer-based roof underlayment; nominal 3.80 lbs/square

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.



- 8.5.5 RoofRunner™ or DiamondDeck® 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.
- 5.6 Allowable Roof Covers:

and the first of	September 1		TABLE 1	: ROOF COV	ER OPTIONS		Section 1989	A STATE OF THE PARTY OF THE PAR	COLUMN TO
Underlayment	Asphalt	Clay and Concrete Tile (1507.3)		Metal		Slate or Slate-	We	Photo-	
	Shingles (1507.2)	Mechanical Attach	Adhesive- Set	Panels (1507.4)	Shingles (1507.5)	Type Shingles (1507.7)	Shingles (1507.8)	Shakes (1507.9)	voltaic Shingles (1507.17)
RoofR⊔nner™	Yes	No	No	No	No	No	No	Nρ	Ar-
DiamondDeck*	Yes	No	No	Yes	Yes	Yes	No	No	No No

5.7 Exposure Limitations:

TABLE 2: EXI	POSURE LIMITATIONS			
Underlayment	Maximum Exposure (days			
ofRunner™	10			
DiamondDeck®	180			

6. INSTALLATION:

- 6.1 RoofRunner™ and DiamondDeck® shall be installed in accordance with CertainTeed installation instructions subject to the Limitations set forth in Section 5 herein and the specifics noted below.
- 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, and prime the substrate (if applicable).
- 6.3 Consult CertainTeed published recommendations for the installation of a leak barrier of ASTM D1970, such as CertainTeed WinterGuard (FL11288), or equal holding Florida Statewide Product Approval at vulnerable leak areas.

6.4 RoofRunner™:

6.4.1 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. With the exception of Section 6.4.3 herein, these FBC requirements take precedence over the manufacturer's installation instructions.

6.4.2 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.

6.4.3 Attachment: Minimum attachment is noted in Table 3.

Note: These patterns have been determined through testing and analysis as meeting the intent of those 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, regardless of whether plastic cap nails or metal cap nails are utilized. Acceptance of this alternate attachment pattern is at the discretion of the Authority Having Jurisdiction, in advance of roof cover installation.



IA	BLE 3: MINIMUM ATTACHMENT FOR ROOFRUND	IER TM
Metal Cap Nails	Plastic Cap Nails	Battens
At the circular target pattern (國), which translates to 15-inch o.c. vertically and 12-inch o.c. horizontally. On vertical end-laps install 8 fasteners equally spaced 6-inch o.c. centered in the lap.	Max. 6-inch o.c. at the min. 3-inch horizontal side laps. At the circular target pattern (a) in the field of the sheet, which translates to 15-inch o.c. vertically and 12-inch o.c. horizontally. On vertical end-laps install 8 fasteners equally spaced 6-inch o.c. centered in the lap.	When batten systems are to be installed atop the underlayment, the underlaymen need only be attached at horizontal sidelaps and vertical end-laps prior to batten installation

6.5 DiamondDeck®

6.5.1 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. With the exception of Section 6.5.3 herein, these FBC requirements take precedence over the manufacturer's installation instructions.

6.5.2 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.

6.5.3 Attachment: Minimum attachment is noted in Table 3.

Note: These patterns have been determined through testing and analysis as meeting the intent of those 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, regardless of whether plastic cap nails or metal cap nails are utilized. Acceptance of this alternate attachment pattern is at the discretion of the Authority Having Jurisdiction, in advance of roof cover installation.

TABLE 4: MINIMUM ATTACHME	ENT FOR DIAMOND DECK®
Metal or Plastic Cap Nails	Battens
At the diamond-printed pattern (♠), which translates to 15-inch o.c. vertically and 12-inch o.c. horizontally. On vertical end-laps install 8 fasteners equally spaced 6-inch o.c. centered in the lap.	When batten systems are to be installed atop the underlayment, the underlayment need only be attached at horizontal side-laps and vertical end-laps prior to batten installation

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:

QAI Laboratories. - QUA7628; (604) 527-8378, mlansdowne@qai.org

- END OF EVALUATION REPORT -

Page 4 of 4

Ron DeSantis, Governor

Halsey Beshears, Secretary



DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION STATE OF FLORIDA

CONSTRUCTION INDUSTRY LICENSING BOARD

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

HEWITT, JEFFREY ALLAN

GOLD KEY ROOFING LLC 4874 S. ORANGE AVE ORLANDO FI 32306 LICENSE NUMBER: CCC1329157

EXPIRATION DATE: AUGUST 31, 2022

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

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 REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(les) 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). PRODUCER CONTACT David Burr Insurance Office of America, Inc. 1855 West State Road 434 PHONE (A/C, No, Ext): (407) 998-5445 15445 FAX (AJC, No): (407) 788-7933 Longwood, FL 32750 ADDRESS: David.Burr@ioausa.com INSURER(S) AFFORDING COVERAGE NAIC # INSURER A : Berkley Specialty Insurance Company INSURED 31295 INSURER B : Auto-Owners Insurance Company 18988 Gold Key Roofing LLC INSURER C 4874 S. Orange Ave. INSURER D: Orlando, FL 32806 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. TYPE OF INSURANCE ADDL SUBR INSD WVD POLICY NUMBER POLICY EFF POLICY EXP LIMITS X COMMERCIAL GENERAL LIABILITY EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) 1,000,000 CLAIMS-MADE X OCCUR CGL0138686 2/19/2021 2/19/2022 100,000 5,000 MED EXP (Any one person) 1,000,000 PERSONAL & ADV INJURY GEN'L AGGREGATE LIMIT APPLIES PER: 2,000,000 GENERAL AGGREGATE POLICY X PRO-LOC 2,000,000 PRODUCTS - COMP/OP AGG B AUTOMOBILE LIABILITY COMBINED SINGLE LIMIT 1,000,000 ANY AUTO 5323285900 2/19/2021 2/19/2022 BODILY INJURY (Per person) OWNED AUTOS ONLY SCHEDULED BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) X AUTOS ONLY X NON-QWNED AUTOS ONLY A UMBRELLA LIAB X OCCUR 1,000,000 EXCESS LIAR EACH OCCURRENCE CLAIMS-MADE CX0138687 2/19/2021 2/19/2022 1,000,000 AGGREGATE DED | RETENTIONS WORKERS COMPENSATION AND EMPLOYERS' LIABILITY PER ANY PROPRIETOR/PARTNER/E) OFFICER/MEMBER EXCLUDED? (Mandatory in NH) EL EACH ACCIDENT If yes, describe under DESCRIPTION OF OPERATIONS below 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)

Lic #CCC1329157 Lic #CBC060354 CERTIFICATE HOLDER CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

ACORD 25 (2016/03)

City of Belle Isle 1600 Nela Ave. Belle Isle, FL 32809 AUTHORIZED REPRESENTATIVE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/01/2020

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 be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require

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