City of Belle Isle Job Site Card Roof PERMIT 2018-08-083

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

Permit Number 2018-08-083
Site Address: 1801 Wind Willow Rd 32809
Class: Residential
Description of Work: Re-roof 2229 SQFT - Asphalt Shingles

Issue Date 8/29/2018
Parcel Number: 30-23-30-9330-00-550
Subdivision:

Issued To: INTEGRITY CONSTRUCTION OF CENTRAL FLORIDA INC.
Name: OLIVO, ADOLFO MIGUEL

Business Phone: 407 988-6323
Contractor License: CCC1331405

Payment Date & Method: 9 /31 / 2018 ☐ Picked up by _____

■ Visa ☐ Master Card ☐ Amex ☐ Discover ☐ Check / Money Order # 6318

Schedule Inspections via Email at: BIDscheduling@universalengineering.com
SCHEDULE INSPECTIONS BY 3:00 PM CUT OFF TIME
Inspection Results Will Be Sent Out the Following Business Day

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

ROOF	INSPECTOR	DATE	COMMENTS
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			

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 in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.

City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 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.

AUG 28 2018

DATE OF APPLICATION: 08/06/2018 **ROOF PERMIT NUMBER** 2018-08-083

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

Project Address 1801 Wind Willow Rd Belle Isle, FL 32809-6859, Belle Isle, FL X 32809 ___ 32812

Property Owner Thomas A Blasco Phone ______

Property Owner's Mailing Address 1801 Wind Willow Rd City Belle Isle

State FL Zip Code 32809 **Parcel Id Number:** 30-23-30-9330-00-550

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

Class of Building: Old ☒ New ☐ **Type of Building:** Residential ☒ Commercial ☐ Other ☐
Type of Work: New Roof ☐ ReRoof ☒

- **REQUIRED! Florida Product Approval 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: 2229 **Number of Stories:** 1 **Job Valuation: $** 12270.00

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 Palma LICENSE # CCC1331405

LICENSE HOLDER NAME Adolfo Olivo COMPANY NAME Integrity Construction of Central Florida, Inc.

Street Address 37 N Orange Ave Ste 510

City Orlando State FL Zip Code 32801 Phone Number 407-988-6323

Email Address jonathan.spencer@iccfl.net

Zoning Fee	$ 30.00
Building Fee	$ 85.00
Review Fee	$ —
1% BCAIB Fee	$ 2.00
1.5% DCA Fee	$ 2.00
Total Permit Fee	$ 119.00

Building Official: SM Date 8-24-18

✓ Verified Contractor's Licenses & Insurance are on file J Date 8-28-2018

PENDING - NOC

NOTE: The Building Permit Number is required if the Roof Installation is associated with any construction or alteration where a Building Permit has been issued. Building Permit Number ______

LOCAL TAX RECIEPT

1ST 1K 25
1ea 5 60
85

PAID 8-31-2018
VISA 6318

Permit Number: _____
Folio/Parcel ID #: 30-23-30-9330-00-550
Prepared by: Integrity Construction of Central Florida

Return to: Jonathan Spencer
37 N Orange Ave Suite 510
Orlando, FL 32801

DOC # 20180510298
08/27/2018 15:24 PM Page 1 of 1
Rec Fee: $10.00
Deed Doc Tax: $0.00
Mortgage Doc Tax: $0.00
Intangible Tax: $0.00
Phil Diamond, Comptroller
Orange County, FL
Ret To: SIMPLIFILE LC

NOTICE OF COMMENCEMENT

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

1. **Description of property** (legal description of the property, and street address if available)
   WIND HARBOR 7/60 LOT 55
2. **General description of improvement**
   Re-Roof
3. **Owner information or Lessee information if the Lessee contracted for the improvement**
   Name Thomas Blasco
   Address 1801 Wind Willow Rd Belle Isle, FL 32809-6859
   Interest in Property _____
   Name and address of fee simple titleholder (if different from Owner listed above)
   Name _____
   Address _____
4. **Contractor**
   Name Integrity Construction of Central Florida Telephone Number 407-988-6323
   Address 37 N Orange Ave Suite 510 Orlando, FL 32801
5. **Surety** (if applicable, a copy of the payment bond is attached)
   Name N/A Telephone Number _____
   Address _____ Amount of Bond $ _____
6. **Lender**
   Name N/A Telephone Number _____
   Address _____
7. **Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by §713.13(1)(a)7, Florida Statutes.**
   Name _____ Telephone Number _____
   Address _____
8. **In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in §713.13(1)(b), Florida Statutes.**
   Name N/A Telephone Number _____
   Address _____
9. **Expiration date of notice of commencement** (the expiration date will be 1 year from the 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 I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

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

The foregoing instrument was acknowledged before me this 10th day of Aug 2018 (month/year) by Thomas Blasco (name of person)
as Owner (Type of authority, e.g., officer, trustee, attorney in fact) for Subject Property (Name of party on behalf of whom instrument was executed)

_____ BHADRA SHAH
Signature of Notary Public – State of Florida — Print, type, or stamp commissioned name of Notary Public

Personally Known ____ OR Produced ID ✓
Type of ID Produced FLDL

BHADRA SHAH
Notary Public, State of Florida
Commission # FF 225439
My comm. expires May 13, 2019

Form content revised: 01/23/14

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: 08/06/2018 PERMIT # 2018-05-083

PROJECT ADDRESS 1801 Wind Willow Road Belle Isle, FL 32809-6859, Belle Isle, FL X 32809 32812

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

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

Product Type	Manufacturer	Model/Series	FL Product Approval #
EXTERIOR DOORS			
Swinging			
Sliding			
Sectional/Rollup			
Other			
WINDOWS			
Single/Dbl Hung			
Horizontal Slider			
Casement			
Fixed			
Mullion			
Skylights			
Other			
STRUCTURAL COMPONENTS			
Wood Connectors			
Wood Anchors			
Truss Plates			
Insulation Forms			
Lintels			
Other			

Product Type	Manufacturer	Model/Series	FL Product Approval #
WALL PANELS			
Sliding			
Soffits			
Storefront			
Glass Block			
Other			
ROOFING PRODUCTS			
Asphalt Shingles	GAF	GAF Roof Maintenance Coatings	FL 620-R16
Non Struct Metal			
Roofing Tiles			
Single Ply Roof			
Underlayment	GAF	GAF Synthetic Roof Underlayments	~~FL15487-R6~~ FL10626
Other			
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 Lorraine E Perez **Date** 08/06/2018

Product Approval
USER: Public User

FL #	FL620-R17
Application Type	Revision
Code Version	2017
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	GAF
Address/Phone/Email	1 Campus Drive Parisppany, NJ 07054 (800) 766-3411 mstieh@gaf.com
Authorized Signature	Robert Nieminen lindar@nemoetc.com
Technical Representative	William Broussard
Address/Phone/Email	1 Campus Drive Parsippany, NJ 07054 (800) 766-3411 TechnicalQuestionsGAF@gaf.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Roofing
Subcategory	Cements-Adhesives-Coatings
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	10/12/2019
Validated By	John W. Knezevich, PE ☑ Validation Checklist - Hardcopy Received
Certificate of Independence	FL620_R17_COI_2018_01_COI_NIEMINEN.pdf

Referenced Standard and Year (of Standard)

Standard	Year
ASTM D6083	2005
FM 4470	2012
TAS 110	2000
TAS 139	1995

Equivalence of Product Standards Certified By	
Sections from the Code	
Product Approval Method	Method 1 Option D
Date Submitted	06/19/2018
Date Validated	06/20/2018
Date Pending FBC Approval	06/24/2018

Date Approved 08/15/2018

Summary of Products

FL #	Model, Number or Name	Description
620.1	GAF Roof Maintenance Coatings	Liquid applied roof coatings
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.		**Installation Instructions** FL620_R17_II_2018_06_FINAL_ER_GAF_C-A-C_FL620-R17.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes **Evaluation Reports** FL620_R17_AE_2018_06_FINAL_ER_GAF_C-A-C_FL620-R17.pdf Created by Independent Third Party: Yes

Back Next

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

ENGINEER | EVALUATE | TEST | CONSULT | CERTIFY

EVALUATION REPORT

GAF
1 Campus Drive
Parsippany, NJ 07054
(800) 766-3411

Evaluation Report 01506.01.09-CAC-R16
FL620-R17
Date of Issuance: 01/05/2009
Revision 16: 06/19/2018

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

DESCRIPTION: GAF Roof Maintenance Coatings

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

CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO|etc. requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

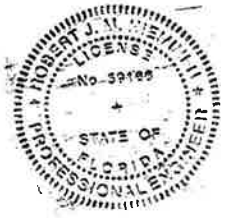
ADVERTISEMENT: The Evaluation Report number preceded by the words "NEMO|etc. Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

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

This Evaluation Report consists of pages 1 through 10.

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 06/19/2018. This does not serve as an electronically signed document.

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

ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Cements – Adhesives - Coatings
Compliance Statement: **GAF Roof Maintenance Coatings**, as outlined herein and produced by **GAF**, have demonstrated compliance with the **6th Edition (2017) Florida Building Code** through testing in accordance with the Standards set forth herein. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1504.7	Impact	FM 4470	2012
1507.10.2	Physical Properties	ASTM D6083	2005
TAS 110	Physical Properties	TAS 139	1995
1523.1.1	Physical Properties	TAS 110	2000

3. REFERENCES:

Entity	Examination	Reference	Date
FM (TST 1867)	FM 4470	3015619	03/15/2005
FM (TST 1867)	FM 4470	3026767	02/01/2007
FM (TST 1867)	FM 4470	3046086	01/18/2013
MTI (TST 2508)	Physical Properties	EX14A3A	02/26/2004
PRI (TST 5878)	Physical Properties	UCMC-004-02-02 (Revised)	06/29/2004
PRI (TST 5878)	Physical Properties	GAF-054-02-01	07/11/2004
PRI (TST 5878)	Physical Properties	GAF-065-02-01	12/14/2004
PRI (TST 5878)	Physical Properties	GAF-087-02-01	09/26/2005
PRI (TST 5878)	Physical Properties	GAF-110-02-01	02/15/2006
PRI (TST 5878)	Physical Properties	GAF-082-02-01	05/07/2006
PRI (TST 5878)	Physical Properties	GAF-084-02-01	05/07/2006
PRI (TST 5878)	Physical Properties	GAF-122-02-01	05/07/2006
PRI (TST 5878)	Physical Properties	HSI-010-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	HSI-011-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	UCMC-012-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	UCMC-013-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	UCMC-014-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	UCMC-015-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	GAF-508-02-01	03/12/2014
PRI (TST 5878)	Physical Properties	HSI-007-02-01	05/16/2016
PRI (TST 5878)	Physical Properties	HSI-009-02-01	05/16/2016
PRI (TST 5878)	Physical Properties	GAF-499-02-01	05/19/2016
PRI (TST 5878)	Physical Properties	GAF-500-02-01	05/19/2016
PRI (TST 5878)	Physical Properties	GAF-662-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-666-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-674-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-675-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-676-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-677-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-679-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-680-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-657-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-659-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-660-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-661-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-663-02-01	06/03/2016

Entity	Examination	Reference	Date
PRI (TST 5878)	Physical Properties	GAF-664-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-665-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-687-02-01	06/06/2016
PRI (TST 5878)	Physical Properties	GAF-688-02-01	06/06/2016
PRI (TST 5878)	Physical Properties	GAF-658-02-01	06/07/2016
PRI (TST 5878)	Physical Properties	GAF-689-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-691-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-692-02-01	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-693-02-01	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-693-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-694-02-01	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-694-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-694-02-03	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-667-02-01	07/01/2016
PRI (TST 5878)	Physical Properties	GAF-668-02-01	07/01/2016
PRI (TST 5878)	Physical Properties	GAF-671-02-01	07/01/2016
PRI (TST 5878)	Physical Properties	GAF-669-02-01	07/06/2016
PRI (TST 5878)	Physical Properties	GAF-672-02-01	07/06/2016
PRI (TST 5878)	Physical Properties	GAF-673-02-01	07/06/2016
PRI (TST 5878)	Physical Properties	GAF-678-02-01	07/14/2016
PRI (TST 5878)	Physical Properties	GAF-712-02-01	07/21/2016
PRI (TST 5878)	Physical Properties	GAF-778-02-01	10/13/2017
UL (TST 1740)	Physical Properties	04NK12216	06/10/2004
M-D (CER 1592)	HVHZ Compliance	15-0128.09	03/26/2015
UL, LLC. (QUA9625)	Quality Assurance	Inspection Report, R1306 (MA)	11/10/2017
UL, LLC. (QUA9625)	Quality Assurance	Inspection Report, R6935 (AZ)	10/12/2017
UL, LLC. (QUA9625)	Quality Assurance	Inspection Report, R6935 (SC)	10/24/2017

4. PRODUCT DESCRIPTION:

TABLE 1: GAF ROOF MAINTENANCE COATINGS & ACCESSORIES

Brand	Product	Specification	Use
GAF	FireOut™ Fire Barrier Coating	N/A	Fire barrier
	FlexSeal™ Caulk Grade Sealant	TAS 139	Flashing/detailing
	FlexSeal™ Sealant *(formerly TOPCOAT® FlexSeal™)*	TAS 139	Flashing/detailing
	EverGuard® TPO Base Coat or TPO Red Primer	N/A	Primer (TPO)
	XR-2000 Primer *(formerly TOPCOAT® XR-2000 Primer)*	N/A	Primer (coated metal)
	Acrylex 400 Multisurface Roof Primer *(formerly Acrylex 400 Primer)*	N/A	Primer (masonry, metal, wood)
	Epoxy Primer *(formerly United Coatings™ Epoxy Primer)*	N/A	Primer (porous surfaces)
	SureBond Primer *(formerly United Coatings™ SureBond Primer or HydroStop®SureBond Primer)*	N/A	Primer (masonry, chalky surfaces)
	UniBase Primer *(formerly United Coatings™ UniBase Primer or HydroStop® Sure-Bond Primer)*	N/A	Primer (BUR, modified bitumen, previously coated surfaces)
	CleanAct Rinseable Primer	N/A	Primer (EPDM)

TABLE 1 (CONTINUED): GAF ROOF MAINTENANCE COATINGS & ACCESSORIES			
Brand	**Product**	**Specification**	**Use**
TOPCOAT®	Membrane	ASTM D6083	Restorative coating
	Sky-Lite	N/A	Restorative coating
	Surface Seal SB	ASTM D6083	Restorative coating
	Flashing Fabric	N/A	Reinforcement
	Flashing – Brush Grade	TAS 139	Flashing
	MB Plus	N/A	Primer (asphaltic surfaces)
	MP-300 Rust-Inhibiting Primer	N/A	Primer
	Precote	N/A	Primer
	Surface Seal SB Primer	N/A	Primer
United Coatings™	Diathon® Base Coat	N/A	Restorative coating, base coat
	Diathon® Roof Coating	ASTM D6083	Restorative coating
	Roof Mate™ Base Coat	N/A	Restorative coating, base coat
	Roof Mate™ TCM Coating *(formerly TOPCOAT® Membrane)*	ASTM D6083	Restorative coating
	Roof Mate™ Top Coat *(formerly Roof Mate™ Coating)*	ASTM D6083	Restorative coating
	SurfaceSeal SB Roof Coating *(formerly TOPCOAT® Surface Seal SB)*	ASTM D6083	Restorative coating
	Roof Mate™ Fabric	N/A	Reinforcement
	Roof Mate™ Butter Grade Flashing	N/A	Flashing/detailing
	Roof Mate™ Liquid Fabric	TAS 139	Flashing
	Roof Mate™ TCM Flashing *(formerly Roof Mate™ Spray Grade Flashing or TOPCOAT® Flashing – Spray Grade)*	TAS 139	Flashing
	Roof Mate™ MB Plus Coating	N/A	Primer (asphaltic surfaces)
	Adhere-It® II Primer	N/A	Primer (EPDM)
	Lock-Down Primer	N/A	Primer (metal)
	United Cleaning Concentrate	N/A	Cleaning agent
	EnergyCote™ Roof Coating	N/A	Touch-up (EnergyCap™ membranes)
HydroStop®	PremiumCoat® Foundation Coat	N/A	Restorative membrane, base coat
	PremiumCoat® Finish Coat	ASTM D6083	Restorative membrane, top coat
	PremiumCoat® Fabric	N/A	Reinforcement
	TrafficCoat Deck Coating	N/A	Surfacing (non-skid)
	HydroCap Fastener Fabric *(aka, HydroCap Fastener Covers)*	N/A	Flashing/dealing (fastener heads)
	PremiumCoat® Butter Grade Flashing	N/A	Flashing/detailing
	BarrierGuard® Waterproofing	N/A	Primer (masonry)

5. LIMITATIONS:

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

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

5.3 Fire classification is not part of this Evaluation Report. Refer to a current Roofing Materials directory for fire classifications of roof assemblies using the components outlined herein.

5.4 **GAF Roof Maintenance Coatings** are not purported to be Roofing Systems, and use shall be governed by and limited to applications where Roof System Product Approval is not necessary (e.g., maintenance and repair or as a fire inhibitive coating) or where the **GAF Roof Maintenance Coating** is called out in a Roof System Product Approval.

5.5 The **GAF Roof Maintenance Coatings** are applicable for use over new or existing low-slope roof systems, as detailed in Section 6, and shall not be used atop prepared roofing; i.e., asphalt shingles, fiber-cement shingles, slate, tile, metal shingles, wood shingles or shakes.

5.6 All products listed herein shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3** requirements.

6. INSTALLATION:

6.1 **GAF Roof Maintenance Coating** products shall be installed in accordance with **GAF** published installation instructions, subject to the Limitations in Section 5.

6.2 Prepare all surfaces in accordance with **GAF** published requirements. Remove all loose gravel, dirt, dust and any foreign matter that may inhibit adhesion of coating. Repair all blisters and delaminating membranes with like materials.

6.3 Prime the prepared existing roof surface as specified within the applicable application table below.

6.4 Apply base coat as specified within the applicable application table below. Allow 24 hours to dry and inspect base coat for defects prior to finish coat application.

6.5 Apply one or more finish coat(s) as specified within the application table below. Allow 24 hours to dry prior to foot traffic.

TABLE 2: SUBSTRATES & APPLICATION RATES
TOPCOAT® MEMBRANE COATING

Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat(s)
Galvanized Metal Roof Panel	(Optional) TOPCOAT MP-300	1.0	TOPCOAT Membrane	1.0 to 1.5	1.0 to 1.75
Smooth BUR	TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Membrane	1.0 to 1.5	1.75
Smooth APP	TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Membrane	1.0 to 1.5	1.75
Granule SBS	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Membrane	1.0 to 1.5	1.75
PVC *(existing)*	None	N/A	TOPCOAT Membrane	1.0	1.5
TPO	None	N/A	TOPCOAT Membrane	1.0	1.5

TABLE 3: SUBSTRATES & APPLICATION RATES
TOPCOAT® SURFACE SEAL SB APPLICATION RATES

Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat
Smooth BUR	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
Granule SBS	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
Granule APP	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
EPDM *(fully adhered only)*	None	N/A	TOPCOAT Surface Seal SB	2 @ 0.5 gal/sq. per coat	1.5

TABLE 4: SUBSTRATES & APPLICATION RATES
GAF FIREOUT™ FIRE BARRIER COATING

Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat
Wood	None	N/A	GAF FireOut Fire Barrier Coating	None	1.0
	Allow to dry completely prior to membrane installation.				
	Consult a current Fire Resistance Directory for applicable fire ratings of roof systems installed atop GAF FireOut Fire Barrier Coating.				

TABLE 5: SUBSTRATES & APPLICATION RATES UNITED COATINGS™ ROOF MATE™ TCM COATING				
Substrate	**Primer**	**Base Coat**	**Intermediate Coat**	**Finish Coat**
Galvanized Metal Roof Panel	(Optional) Acrylex 400 Multisurface Roof Primer at 0.5 gal/square	Roof Mate TCM Coating at 1.0 gal/square.	(Optional) Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Smooth or Granule Built-Up Roof (BUR), Smooth or Granule SBS modified bitumen or Granule APP modified bitumen	None	Roof Mate MB Plus Coating or Roof Mate TCM Coating at 1.0 gal/square	(Optional) Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Smooth or Granule Built-Up Roof (BUR), Smooth or Granule SBS modified bitumen or Granule APP modified bitumen	None	Roof Mate MB Plus Coating at 0.5 gal/square	Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Smooth or Granule SBS modified bitumen or Smooth or Granule APP modified bitumen	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square
Single Ply, EPDM	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square
Single Ply, PVC	None	Roof Mate TCM Coating at 1.0 gal/square.	(Optional) Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Single Ply, TPO	EverGuard® TPO Base Coat or TPO Red Primer at 0.5 gal/square	Roof Mate TCM Coating at 1.0 gal/square.	(Optional) Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Single Ply, TPO	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square
Structural concrete	None	Roof Mate TCM Coating at 1.0 gal/square	(Optional) Roof Mate TCM Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square
Structural concrete	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square

TABLE 6: SUBSTRATES & APPLICATION RATES UNITED COATINGS™ ROOF MATE™ TOP COAT				
Substrate	**Primer**	**Base Coat**	**Intermediate Coat**	**Finish Coat**
Galvanized Metal Roof Panel	(Optional) Acrylex 400 Multisurface Roof Primer at 0.5 gal/square	Roof Mate Base Coat at 1.5 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Existing smooth Built-Up Roof (BUR)	United Cleaning Concentrate in accordance with **GAF** published instructions	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Smooth Built-Up Roof (BUR), Smooth SBS modified bitumen or Granule APP modified bitumen	None	Roof Mate MB Plus at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square

TABLE 6: SUBSTRATES & APPLICATION RATES UNITED COATINGS™ ROOF MATE™ TOP COAT				
Substrate	**Primer**	**Base Coat**	**Intermediate Coat**	**Finish Coat**
Smooth Built-Up Roof (BUR), Smooth SBS modified bitumen or Granule APP modified bitumen	None	Roof Mate MB Plus at 0.5 gal/square	Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Granule Built-Up Roof (BUR) or Granule SBS modified bitumen	None	Roof Mate MB Plus or Roof Mate Base Coat at 1.0 gal/square.	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Granule Built-Up Roof (BUR) or Granule SBS modified bitumen	None	Roof Mate MB Plus at 0.5 gal/square.	Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Smooth or Granule SBS modified bitumen or Smooth or Granule APP modified bitumen	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, EPDM	Adhere-It II Primer or Clean Act Rinsable Primer at 0.2 gal/square	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.5 gal/square
Single Ply, EPDM	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, existing CSPE (Hypalon)	United Cleaning Concentrate in accordance with **GAF** published instructions	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, PVC	None	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, TPO	EverGuard® TPO Base Coat or TPO Red Primer at 0.5 gal/square	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, TPO	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Structural concrete	(Optional) Epoxy Primer at 0.4 gal/square or SureBond Primer at 0.4 gal/square	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Structural concrete	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square

TABLE 7: SUBSTRATES & APPLICATION RATES UNITED COATINGS™ DIATHON® ROOF COATING				
Substrate	**Primer**	**Base Coat**	**Intermediate Coat**	**Finish Coat**
Spray-Applied Polyurethane Foam (SPUF)	None	(Optional) Diathon Base Coat at 1.0 to 1.5 gal/square	One or two coats, Diathon Roof Coating at 1.0 to 1.5 gal/square per coat.	Diathon Roof Coating at 1.0 to 1.5 gal/square

TABLE 8: SUBSTRATES & APPLICATION RATES UNITED COATINGS™ SURFACESEAL SB ROOF COATING				
Substrate	**Primer**	**Base Coat**	**Intermediate Coat**	**Finish Coat**
Smooth or Granule SBS modified bitumen or Smooth or Granule APP modified bitumen	None	Surface Seal SB Roof Coating at 1.0 gal/square	(Optional) Surface Seal SB Roof Coating at 1.0 gal/square	Surface Seal SB Roof Coating at 1.0 gal/square
Single Ply, EPDM	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	SurfaceSeal SB Roof Coating at 1.0 gal/square
Single Ply, TPO	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	SurfaceSeal SB Roof Coating at 1.0 gal/square
Structural concrete	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	SurfaceSeal SB Roof Coating at 1.0 gal/square

TABLE 9: SUBSTRATES & APPLICATION RATES HYDROSTOP® PREMIUMCOAT®				
Substrate	**Primer**	**Base Coat**	**Reinforcement**	**Finish Coat(s)**
Galvanized Metal Roof Panel	(Optional) Acrylex 400 Multisurface Roof Primer at 0.5 gal/square	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Required at seams, joints or laps: Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams. Exposed fasteners: Embed 6x6-inch piece of HydroStop PremiumCoat Fabric or HydroStop HydroCap Fastener Cap into the wet HydroStop PremiumCoat Foundation Coat base coat. Saturate the HydroStop PremiumCoat Fabric and HydroStop HydroCap Fastener Caps with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.
Granule Built-Up Roof (BUR) or Smooth or Granule SBS modified bitumen	None	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.
Single Ply, PVC	None	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.
Single Ply, TPO	EverGuard® TPO Base Coat or TPO Red Primer at 0.5 gal/square	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.
Spray-Applied Polyurethane Foam (SPUF)	None	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat at 1.25 gal/square.

TABLE 9: SUBSTRATES & APPLICATION RATES HYDROSTOP® PREMIUMCOAT®				
Substrate	**Primer**	**Base Coat**	**Reinforcement**	**Finish Coat(s)**
Structural concrete	(Optional) Epoxy Primer at 0.4 gal/square or SureBond Primer at 0.4 gal/square	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.
Structural concrete	Treatment: HydroStop BarrierGuard, two coats at 0.67 gal/square per coat Primer (Optional): SureBond Primer at 0.4 gal/square	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.

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:

Brand	Products	Location
GAF	SureBond Primer	Charleston, SC
	Acrylex 400 Multisurface Roof Primer, Epoxy Primer, SureBond Primer, UniBase Primer	Phoenix, AZ
	FireOut™ Fire Barrier Coating, FlexSeal™ Caulk Grade Sealant, FlexSeal™ Sealant, EverGuard® TPO Base Coat or TPO Red Primer, XR-2000 Primer	Walpole, MA
TOPCOAT®	Membrane, Sky-Lite, Surface Seal SB, Flashing Fabric, Flashing – Brush Grade, MB Plus, MP-300 Rust-Inhibiting Primer, Precote, Surface Seal SB Primer	Walpole, MA
United Coatings™	Diathon® Base Coat, Diathon® Roof Coating, Roof Mate™ Base Coat, Roof Mate™ Top Coat,	Charleston, SC
	Adhere-It® II Primer	Fountain Inn, SC
	United Cleaning Concentrate	Olympia, WA
	Diathon® Roof Coating, Roof Mate™ Base Coat, Roof Mate™ Top Coat, Roof Mate™ Butter Grade Flashing, EnergyCote™ Roof Coating	Phoenix, AZ
	Lock-Down Primer	Richmond, MO
	Roof Mate™ Fabric, Roof Mate™ Liquid Fabric	Spartanburg, SC
	Roof Mate™ TCM Coating, SurfaceSeal SB Roof Coating, Roof Mate™ TCM Flashing, Roof Mate™ MB Plus Coating,	Walpole, MA

Brand	Products	Location
HydroStop®	PremiumCoat® Foundation Coat, TrafficCoat Deck Coating, BarrierGuard® Waterproofing	Charleston, SC
	CleanAct Rinseable Primer	Fountain Inn, SC
	PremiumCoat® Foundation Coat, PremiumCoat® Finish Coat, PremiumCoat® Butter Grade Flashing	Phoenix, AZ
	PremiumCoat® Fabric, HydroCap Fastener Fabric *(aka, HydroCap Fastener Covers)*	Spartanburg, SC

9. QUALITY ASSURANCE ENTITY:

UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -

FLORIDA DEPARTMENT OF
Business & Professional Regulation

Florida dbpr

Product Approval
USER: Public User

OFFICE OF THE SECRETARY

FL #	FL10626-R14
Application Type	Revision
Code Version	2017
Application Status	Approved
Comments	
Archived	
Product Manufacturer	GAF
Address/Phone/Email	1 Campus Drive Parisppany, NJ 07054 (800) 766-3411 mstieh@gaf.com
Authorized Signature	Robert Nieminen lindar@nemoetc.com
Technical Representative	William Broussard
Address/Phone/Email	1 Campus Drive Parsippany, NJ 07054 (800) 766-3411 TechnicalQuestionsGAF@gaf.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Roofing
Subcategory	Underlayments
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen
Florida License	PE-59166
Quality Assurance Entity	UL LLC
Quality Assurance Contract Expiration Date	06/16/2019
Validated By	John W. Knezevich, PE ☑ Validation Checklist - Hardcopy Received
Certificate of Independence	FL10626_R14_COI_2018_01_COI_NIEMINEN.pdf

Referenced Standard and Year (of Standard)

Standard	Year
ASTM D1970	2015
ASTM D226 (physicals)	2009
ASTM D4533 (tear)	2015
ASTM D6164	2011
ASTM D6757	2016
FM 4474	2011
FRSA/TRI April 2012 (04-12)	2012

Equivalence of Product Standards Certified By

Sections from the Code

Product Approval Method	Method 1 Option D
Date Submitted	06/05/2018
Date Validated	06/16/2018
Date Pending FBC Approval	06/26/2018
Date Approved	08/15/2018

Summary of Products

FL #	Model, Number or Name	Description
10626.1	GAF Roof Underlayments	Roofing Underlayments for use in sloped roof systems
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** N/A **Design Pressure:** +N/A/-442.5 **Other:** 1.) The design pressure noted in this application relates to one particular underlayment system for use under foam-on tile systems. Refer to ER Section 5.6.4 for details. 2.) Refer to ER Section 5 for other Limits of Use.		**Installation Instructions** FL10626_R14_II_2018_06_FINAL_ER_GAF_UNDERLAYMENTS_FL10626-R14.pdf Verified By: Robert Niemien 59166 Created by Independent Third Party: Yes **Evaluation Reports** FL10626_R14_AE_2018_06_FINAL_ER_GAF_UNDERLAYMENTS_FL10626-R14.pdf Created by Independent Third Party: Yes

Back Next

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

ENGINEER | EVALUATE | TEST | CONSULT | CERTIFY

EVALUATION REPORT

GAF
1Campus Drive
Parsippany, NJ 07054
(800) 766-3411

Evaluation Report 01506.04.08-R14
FL10626-R14
Date of Issuance: 04/25/2008
Revision 14: 06/06/2018

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

DESCRIPTION: GAF Roof Underlayments

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

CONTINUED COMPLIANCE: This Evaluation Report is valid until the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO|etc. requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

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

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

This Evaluation Report consists of pages 1 through 11.

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 06/05/2018. 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. 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.

NEMO | etc.

ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Underlayment
Compliance Statement: **GAF Roof Underlayments**, as produced by **GAF**, have demonstrated compliance with the following sections of the Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1504.3.1	Wind Uplift	FM 4474	2011
1507.1.1, R905.1.1 Exception	Unrolling, Breaking Strength, Pliability	ASTM D226	2009
1507.1.1, R905.1.1 Exception	Tear Strength	ASTM D4533	2015
1507.2.3 / 1507.1.1	Physical Properties	ASTM D6757	2016
1507.2.4 / 1507.1.1, 1507.2.9.2	Physical Properties	ASTM D1970	2015
1507.3.3	Physical properties	FRSA/TRI April 2012 (04-12)	2012
1507.11.2	Physical Properties	ASTM D6164	2011

3. REFERENCES:

Entity	Examination	Reference	Date
ERD (TST 6049)	Physical Properties	R3360.02.07-2-R1	03/13/2007
ERD (TST 6049)	Physical Properties	G12110.12.08	12/02/2008
ERD (TST 6049)	FRSA/TRI April 2012 (Slippage)	G34150.08.11	11/14/2011
ERD (TST 6049)	ASTM D6164	G40630.01.14-2B	01/07/2014
ERD (TST 6049)	ASTM D6164	G46160.09.14-3A	09/09/2014
ERD (TST 6049)	ASTM D1970	GAF-SC13285.03.17-3	03/01/2017
ERD (TST 6049)	ASTM D1970	GAF-SC13285.03.17-4	03/01/2017
PRI (TST 5878)	Physical properties	BRY-003-02-01	03/19/2002
PRI (TST 5878)	ASTM D1970	GAF-026-02-01	03/26/2002
PRI (TST 5878)	ASTM D1970	GAF-027-02-01	03/26/2002
PRI (TST 5878)	Physical properties	GAF-042-02-01	06/03/2005
PRI (TST 5878)	Physical properties	GAF-224-02-01	07/27/2009
PRI (TST 5878)	ASTM D1970	GAF-238-02-01	03/03/2010
PRI (TST 5878)	ASTM D1970	GAF-275-02-01	11/11/2010
PRI (TST 5878)	Physical properties	GAF-349-02-01	07/03/2012
PRI (TST 5878)	Wind Uplift	GAF-434-02-01	09/16/2013
PRI (TST 5878)	Wind Uplift	GAF-434-02-03	09/16/2013
PRI (TST 5878)	Wind Uplift	GAF-434-02-04	09/16/2013
PRI (TST 5878)	FBC 1507.1.1 (Exception)	GAF-818-02-01	12/05/2017
PRI (TST 5878)	FBC 1507.1.1 (Exception)	GAF-826-02-01	06/04/2018
PRI (TST 5878)	FBC 1507.1.1 (Exception)	GAF-847-02-01	06/04/2018
UL (TST 1740)	Physical properties	02NK22569	06/04/2002
UL (TST 1740)	ASTM D6757	10NK11990	05/18/2011
Miami-Dade (CER 1592)	HVHZ compliance	16-1216.02	02/02/2017
Miami-Dade (CER 1592)	HVHZ compliance	18-0119.15	02/22/2018
ICC-ES (EVL2396)	IBC/IRC compliance	ESR-2053	07/01/2017
ICC-ES (EVL2396)	IBC/IRC compliance	ESR-2808	07/01/2017
ICC-ES (EVL2396)	IBC/IRC compliance	ESR-1322	01/01/2018
ICC-ES (EVL2396)	IBC/IRC compliance	ESR-3286	02/01/2018
UL, LLC (QUA 9625)	Quality Control	Inspect, File R10689 (BC)	06/27/2017
UL, LLC (QUA 9625)	Quality Control	Inspect, File R10689 (CA)	07/07/2017
UL, LLC. (QUA 9625)	Quality Control	Inspect, File R10689 (GA)	02/02/2018
UL, LLC. (QUA 9625)	Quality Control	Inspect, File R10689 (IN)	01/10/2018

Entity	Examination	Reference	Date
UL, LLC. (QUA 9625)	Quality Control	Inspect, File R10689 (NC)	03/14/2018
UL, LLC (QUA 9625)	Quality Control	Inspect, File R10689 (OK)	06/20/2017
UL, LLC (QUA 9625)	Quality Control	Inspect, File R10689 (ON, QC)	05/18/2018
UL, LLC (QUA 9625)	Quality Control	Inspect, File R10689 (SC)	06/16/2017
UL, LLC (QUA 9625)	Quality Control	Inspect, File R10689 (TX)	05/24/2016
UL, LLC (QUA 9625)	Quality Control	Inspect, File R10689 (INDIA)	04/13/2018
UL, LLC (QUA 9625)	Quality Control	Inspect, File R10689 (LA)	04/23/2018

4. PRODUCT DESCRIPTION:

4.1 **Self-Adhering Underlayments:**

4.1.1 **Liberty™ SBS Self-Adhering Base/Ply Sheet** is a smooth-surfaced, fiberglass-reinforced, self-adhering SBS modified bitumen roof underlayment; meets ASTM D1970.

4.1.2 **StormGuard® Film Surfaced Leak Barrier** is a film-surfaced, fiberglass-reinforced, self-adhering SBS modified bitumen roof underlayment; meets ASTM D1970. StormGuard® Film Surfaced Leak Barrier is also used as a secondary water barrier to seal roof decks.

4.1.3 **WeatherWatch® Mineral Surfaced Leak Barrier** is a mineral-surfaced, fiberglass-reinforced, self-adhering SBS modified bitumen roof underlayment; meets ASTM D1970. WeatherWatch® Mineral Surfaced Leak Barrier is also used as a secondary water barrier to seal roof decks.

4.2 **Mechanically Fastened Underlayments:**

4.2.1 **VersaShield® Fire-Resistant Roof Deck Protection** is a non-asphaltic, fiberglass-based roof underlayment and/or fire barrier; meets physical requirements of ASTM D6757.

4.2.2 **Deck-Armor™ Premium Breathable Roof Deck Protection** is a non-woven, spun-bonded polypropylene laminated polyethylene scrim sheet roof underlayment, available in 48-inch or 54-inch roll widths; meets FBC 1507.1.1 & R905.1.1 (Exception).

4.2.3 **RoofPro™ SBS-Modified All-Purpose Underlayment** is a fiberglass-reinforced, SBS modified bitumen roof underlayment; meets AC165.

4.2.4 **Shingle-Mate® Roof Deck Protection** is a fiberglass reinforced, asphaltic roof underlayment; meets FBC 1507.1.1 & R905.1.1 (Exception).

4.2.5 **StormSafe™ Anchor Sheet** is a polypropylene woven fabric which serves as an anchor sheet in two-ply roof underlayment systems; meets FBC 1507.1.1 & R905.1.1 (Exception).

4.2.6 **Tiger Paw™ Roof Deck Protection** is a non-woven, polypropylene reinforced, polymer coated roof underlayment; meets FBC 1507.1.1 & R905.1.1 (Exception).

4.3 **Asphalt-Applied Underlayments:**

4.3.1 **Ruberoid® Mop Granule** is a granule-surfaced, polyester-reinforced, asphalt-applied SBS modified bitumen roof underlayment; meets ASTM D6164.

4.3.2 **Ruberoid® Mop Granule FR** is a granule-surfaced, polyester-reinforced, asphalt-applied SBS modified bitumen roof underlayment; meets ASTM D6164.

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 HVHZ jurisdictions.

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

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

5.5 Allowable Roof Covers:

TABLE 1: ROOF COVER OPTIONS

Underlayment	Asphalt Shingles	Nail-On Tile	Foam-On Tile	Metal	Wood Shakes & Shingles	Slate or Simulated Slate
Deck-Armor™ Premium Breathable Roof Deck Protection	Yes	No	No	Contact GAF	Contact GAF	Contact GAF
RoofPro™ SBS-Modified All-Purpose Underlayment	Yes	No	No	No	Yes	Yes
Shingle-Mate® Roof Deck Protection	Yes	No	No	No	No	No
Tiger Paw™ Roof Deck Protection	Yes	No	No	Contact GAF	Contact GAF	Contact GAF
VersaShield® Fire-Resistant Roof Deck Protection	Yes	No	No	No	No	No
Liberty™ SBS Self-Adhering Base/Ply Sheet	Yes	No	No	No	No	No
StormGuard® Film Surfaced Leak Barrier	Yes	No	No	Yes	No	No
WeatherWatch® Mineral Surfaced Leak Barrier	Yes	No	No	No	No	No
Ruberoid® Mop Granule	Yes	Yes	Yes See 5.5.1	No	Yes	Yes
Ruberoid® Mop Granule FR	Yes	Yes	Yes See 5.5.1	No	Yes	Yes

5.5.1 "Foam-On Tile" is limited to use of the following Approved tile adhesives / underlayment combinations.

TABLE 1A: ALLOWABLE TILE ADHESIVE / UNDERLAYMENT COMBINATIONS[1]

Adhesive	Florida Product Approval	Underlayments
Dow TileBond™	FL22525	Ruberoid® Mop Granule; Ruberoid® Mop Granule FR

[1] Refer to Tile Manufacturer's or Adhesive Manufacturer's Florida Product Approval for Overturning Moment Resistance Performance.

5.6 Allowable Substrates:

5.6.1 Direct-Bond to Deck:

- ✓ Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier and Weather Watch® Mineral Surfaced Leak Barrier self-adhered to new untreated plywood or existing untreated ASTM D41 primed plywood.
- ✓ Ruberoid® Mop Granule and Ruberoid® Mop Granule FR in hot asphalt to ASTM D41 primed structural concrete.

5.6.2 Bond to Mechanically Attached Base Layer:

- ✓ Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier and WeatherWatch® Mineral Surfaced Leak Barrier self-adhered to ASTM D226, Type II felt
- ✓ Ruberoid® Mop Granule and Ruberoid® Mop Granule FR in hot asphalt to GAFGLAS® #80 Ultima™ Base Sheet or Ruberoid® 20 Smooth.

5.6.3 Bond to Other Substrate Types:

- ✓ ASTM D41 primed metal (flashing metal, valley metal, etc.)

5.6.4 Wind Resistance for Underlayment Systems in Foam-On Tile Applications:

FRSA/TRI April 2012 (04-12) does not address wind uplift resistance of all underlayment systems beneath foam-on or mortar-set tile systems, where the underlayment forms part of the load-path. The following wind uplift limitations apply to underlayment systems that are not addressed in **FRSA/TRI April 2012 (04-12)** and are used in foam-on or mortar-set tile applications. Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FRSA/TRI April 2012 (04-12), Appendix A, Table 1A** or **FBC 1609** for determination of design wind loads.

#1 Maximum Design Pressure = **-45 psf**.

Deck: Min. 19/32-inch plywood to meet project requirements to satisfaction of Authority Having Jurisdiction.

Base Layer: GAFGLAS® #80 Ultima™ Base Sheet or Ruberoid® 20 Smooth mechanically attached with 12 ga., min. 1.25-inch long ring shank nails through 32 ga., 1-5/8-inch diameter tin caps spaced 9-inch o.c. at the 4-inch wide side laps and 9-inch o.c. at two (2), equally spaced, staggered center in the field of the sheet.

Top Layer: Ruberoid® Mop Granule or Ruberoid® Mop Granule FR applied in full mopping of ASTM D312, Type IV hot asphalt at 20 to 25 lbs/square.

#2 Maximum Design Pressure = **-75 psf**.

Deck: Min. 19/32-inch plywood to meet project requirements to satisfaction of Authority Having Jurisdiction.

Base Layer: GAFGLAS® #80 Ultima™ Base Sheet or Ruberoid® 20 Smooth mechanically attached with 12 ga., min. 1.25-inch long ring shank nails through 32 ga., 1-5/8-inch diameter tin caps spaced 8-inch o.c. at the 4-inch wide side laps and 8-inch o.c. at three (3), equally spaced, staggered center in the field of the sheet.

Top Layer: Ruberoid® Mop Granule or Ruberoid® Mop Granule FR applied in full mopping of ASTM D312, Type IV hot asphalt at 20 to 25 lbs/square.

#3 Maximum Design Pressure = **-442.5 psf**.

Deck: Min. 2,500 psi structural concrete to meet project requirements to satisfaction of Authority Having Jurisdiction

Base Layer: GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Ply 4, Tri-Ply Ply 4 or GAFGLAS Flex Ply 6 applied in full mopping of ASTM D312, Type IV hot asphalt at 20 to 25 lbs/square.

Top Layer: Ruberoid® Mop Granule or Ruberoid® Mop Granule FR applied in full mopping of ASTM D312, Type IV hot asphalt at 20 to 25 lbs/square.

5.6.4.1 For mechanically attached Base Sheet, the maximum design pressure for the selected assembly shall meet or exceed that required under **FRSA/TRI April 2012 (04-12), Appendix A, Table 1A**.

Alternatively, the maximum design pressure for the selected assembly shall meet or exceed the Zone 1 design pressure determined in accordance with **FBC 1609**. In this case, Zones 2 and 3 shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29 and Roofing Application Standard RAS 117**. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.10.1 of **FM Loss Prevention Data Sheet 1-29 (January 2016)** for Zone 2/3 enhancements.

5.7 Exposure Limitations:

5.7.1 Deck-Armor™ Premium Breathable Roof Deck Protection; RoofPro™ SBS-Modified All-Purpose Underlayment; Shingle-Mate® Roof Deck Protection; StormSafe™ Anchor Sheet and Tiger Paw™ Roof Deck Protection shall not be left exposed for longer than **30-days** after installation.

5.7.2 VersaShield® Fire-Resistant Roof Deck Protection, Ruberoid® Mop Granule and Ruberoid® Mop Granule FR shall not be left exposed for longer than **180-days** after installation.

5.7.3 Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier and WeatherWatch® Mineral Surfaced Leak Barrier shall not be left exposed for longer than **30-days** after installation.

5.8 Tile Slippage Limitations (TAS 103 per FRSA/TRI April 2012 (04-12)):

When loading roof tiles on the underlayment in direct-deck tile assemblies, the maximum roof slope shall be as follows. These slope limitations can only be exceeded by using battens during loading of the roof tiles.

TABLE 2: TILE SLIPPAGE LIMITATIONS FOR DIRECT-DECK TILE INSTALLATIONS

Underlayment	Tile Profile	Staging Method	Maximum Slope
Ruberoid® Mop Granule	Flat	Max. 10-tile stack	4:12
	Flat	Max. 6-tile stack (4 over 2)	5:12
	Lugged	Max. 10-tile stack	5:12
Ruberoid® Mop Granule FR	Flat or Lugged	Max. 6-tile stack (4 over 2)	5:12
	Lugged	Max. 10-tile stack	4:12

6. INSTALLATION:

6.1 **GAF Roof Underlayments** shall be installed in accordance with **GAF** published installation instructions subject to the Limitations set forth in Section 5 herein and the specifics noted below.

6.2 Re-fasten any loose decking panels, and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application and prime the substrate (if applicable).

6.3 Install self-adhering underlayments when ambient temperatures are minimum 45°F and rising.

6.4 All metal surfaces shall be primed with **Matrix™ 307 Premium Asphalt Primer** or alternate **GAF** accepted **ASTM D41** primer prior to application of self-adhering membranes.

6.5 Deck-Armor™ Premium Breathable Roof Deck Protection:

6.5.1 Shall be installed in compliance with the requirements for ASTM D226, Type I or II underlayment in **FBC Table 1507.1.1 or R905.1.1** for the type of prepared roof covering to be installed, considering the wider sheet-width for double-layer applications.

6.5.2 Minimum fasteners shall be 1-inch diameter plastic-capped corrosion resistant nails or 1-inch diameter plastic-capped, corrosion resistant staples.

Code Reference: The Exception statement in FBC 1507.1.1 and FBC R905.1.1 requires use of metal cap nails where the ultimate design wind speed, V_{ult}, equals or exceeds 150 mph.

6.5.3 Optional, or if required by the Authority Having Jurisdiction: Install a leak barrier of Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier; UnderRoof™ 2 Polyester-Surfaced Leak Barrier or WeatherWatch® Mineral Surfaced Leak Barrier at vulnerable leak areas, including but not limited to eaves, valleys, rakes, skylights and dormers. At eaves and valleys, install the leak barrier prior to installation of the underlayment. Along the rake, install the underlayment, leaving 6 to 8-inch of the deck exposed, and then install the leak barrier over the underlayment and exposed decking. At other areas, install the leak barrier over the underlayment.

6.5.4 Non-Tile Roof Installations:

Single Layer; Roof Slope > 4:12:

Starting at the eave, fasten the eave edge and 6-inch wide end-laps 6-inch o.c. Fasten in the field of the roll 12-inch o.c. in two, equally spaced, staggered center rows.

Continue upslope in a similar manner, maintaining minimum 3-inch side-laps and minimum 6-inch end-laps. Fasten 6-inch o.c. in the laps and 12-inch o.c. in two, equally spaced, staggered center rows in the field. Ensure all end laps are staggered at least 3-feet apart.

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

If leak barrier (6.3.3) is not used, install a half-width sheet at the eave prior to subsequent courses. Starting at the eave, fasten the eave edge and 6-inch wide end-laps 6-inch o.c. Fasten in the field of the roll 12-inch o.c. in two, equally spaced, staggered center rows.

Continue upslope in a similar manner, with minimum 25.5-inch side-laps for 48-inch wide rolls (resulting in maximum 22.5-inch exposure) or minimum 28.5-inch side-laps for 54-inch wide rolls (resulting in maximum 25.5-inch exposure) and minimum 6-inch end-laps. Fasten 6-inch o.c. along the low edge and end laps and 12-inch o.c. in two, equally spaced, staggered center rows in the field. Ensure all end laps are staggered at least 3-feet apart.

6.6 Tiger Paw™ Roof Deck Protection:

6.6.1 Shall be installed in compliance with the requirements for ASTM D226, Type I or II underlayment in **FBC Table 1507.1.1 or R905.1.1** for the type of prepared roof covering to be installed, considering the wider sheet-width for double-layer applications.

6.6.2 Minimum fasteners shall be 1-inch diameter plastic-capped corrosion resistant nails or 1-inch diameter plastic-capped, corrosion resistant staples.

Code Reference: The Exception statement in FBC 1507.1.1 and FBC R905.1.1 requires use of metal cap nails where the ultimate design wind speed, V_{ult}, equals or exceeds 150 mph.

6.6.3 Optional, or if required by the Authority Having Jurisdiction: Install a leak barrier of Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier; UnderRoof™ 2 Polyester-Surfaced Leak Barrier or WeatherWatch® Mineral Surfaced Leak Barrier at vulnerable leak areas, including but not limited to eaves, valleys, rakes, skylights and dormers. At eaves and valleys, install the leak barrier prior to installation of the underlayment. Along the rake, install the underlayment, leaving 6 to 8-inch of the deck exposed, and then install the leak barrier over the underlayment and exposed decking. At other areas, install the leak barrier over the underlayment.

6.6.4 Non-Tile Roof Installations:

Single Layer; Roof Slope > 4:12:

Starting at the eave, fasten the eave edge and 6-inch wide end-laps 6-inch o.c. Fasten in the field of the roll 12-inch o.c. in two, equally spaced, staggered center rows.

Continue upslope in a similar manner, maintaining minimum 3-inch side-laps and minimum 6-inch end-laps. Fasten 6-inch o.c. in the laps and 12-inch o.c. in two, equally spaced, staggered center rows in the field. Ensure all end laps are staggered at least 3-feet apart.

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

If leak barrier (6.4.3) is not used, install a half-width sheet at the eave prior to subsequent courses. Starting at the eave, fasten the eave edge and 6-inch wide end-laps 6-inch o.c. Fasten in the field of the roll 12-inch o.c. in two, equally spaced, staggered center rows.

Continue upslope in a similar manner, with minimum 25.5-inch side-laps (resulting in maximum 22.5-inch exposure) and minimum 6-inch end-laps. Fasten 6-inch o.c. along the low edge and end laps and 12-inch o.c. in two, equally spaced, staggered center rows in the field. Ensure all end laps are staggered at least 3-feet apart.

6.7 StormSafe™ Anchor Sheet:

6.7.1 StormSafe™ Anchor Sheet is limited to use as a mechanically attached base layer in 2-ply underlayment systems.

6.7.2 Minimum fasteners shall be 1-inch diameter plastic- or steel-capped corrosion resistant nails; corrosion-resistant nails & 1-5/8-inch tin-caps; or Drill-Tec screws and plates.

Code Reference: The Exception statement in FBC 1507.1.1 and FBC R905.1.1 requires use of metal cap nails where the ultimate design wind speed, V_{ult}, equals or exceeds 150 mph.

6.7.3 Non-Tile Roof Installations:

Starting at the eave, fasten the eave edge and 6-inch wide end-laps 6-inch o.c. Fasten in the field of the roll 12-inch o.c. in two, equally spaced, staggered center rows.

Continue upslope in a similar manner, maintaining minimum 3-inch side-laps and minimum 6-inch end-laps. Fasten 6-inch o.c. in the laps and 12-inch o.c. in two, equally spaced, staggered center rows in the field. Ensure all end laps are staggered at least 3-feet apart.

One the same day, install Liberty™ SBS Self-Adhering Base/Ply; StormGuard® Film Surfaced Leak Barrier or WeatherWatch® Mineral Surfaced Leak Barrier over the StormSafe™ Anchor Sheet.

6.8 RoofPro™ SBS-Modified All-Purpose Underlayment and Shingle-Mate® Roof Deck Protection:

6.8.1 Shall be installed in compliance with the requirements for ASTM D226, Type I or II underlayment in **FBC Table 1507.1.1 or R905.1.1** for the type of prepared roof covering to be installed. No hammer tacks or staples are permitted.

Code Reference: The Exception statement in FBC 1507.1.1 and FBC R905.1.1 requires use of metal cap nails where the ultimate design wind speed, V_{ult}, equals or exceeds 150 mph.

6.8.2 Optional, or if required by the Authority Having Jurisdiction: Install a leak barrier of Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier or WeatherWatch® Mineral Surfaced Leak Barrier at vulnerable leak areas, including but not limited to eaves, valleys, rakes, skylights and dormers. At eaves and valleys, install the leak barrier prior to installation of the underlayment. Along the rake, install the underlayment, leaving 6 to 8-inch of the deck exposed, and then install the leak barrier over the underlayment and exposed decking. At other areas, install the leak barrier over the underlayment.

6.9 VersaShield® Fire-Resistant Roof Deck Protection:

6.9.1 Shall be installed in compliance with the codified requirements for **ASTM D6757** underlayment in **FBC Table 1507.1.1** for the type of prepared roof covering to be installed. No hammer tacks or staples are permitted.

6.9.2 Optional, or if required by the Authority Having Jurisdiction: Install a leak barrier of **Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier or WeatherWatch® Mineral Surfaced** at vulnerable leak areas, including but not limited to eaves, valleys, rakes, skylights and dormers. At eaves and valleys, install the leak barrier prior to installation of the underlayment. Along the rake, install the underlayment, leaving 6 to 8-inch of the deck exposed, and then install the leak barrier over the underlayment and exposed decking. At other areas, install the leak barrier over the underlayment.

6.10 Liberty™ SBS Self-Adhering Base/Ply Sheet:

6.10.1 Shall be installed in compliance with the codified requirements for **ASTM D1970** underlayment in **FBC Table 1507.1.1** for the type of prepared roof covering to be installed.

6.10.2 The minimum and maximum roof slopes are ½:12 and 6:12, respectively. Back-nailing is required when slope is 1:12 or greater. Back-nailing shall consist of minimum 1-inch square or round cap nails spaced 18" o.c. within 3-inch side laps.

6.10.3 Non-Tile Applications:

Shall be fully self-adhered to the substrates noted in **Section 5.6**. For direct-bond to deck applications plywood shall be primed with **Matrix™ 307 Premium Asphalt Primer** or alternate **GAF** accepted **ASTM D41** primer at ½ to ¾ gallon per square.

Prior to removal of release film, align sheets properly starting at the low-point of the roof (eave) with the selvage edge upslope and for minimum 2-inch overhang at eaves and rakes. Roll out sheet and allow to 'relax' for min. 30 minutes. Remove the lower piece of release film and bond to substrate and fold the overhanging 2-inch over the eave and nail into place 12" o.c. Remove the top piece of release film and bond to substrate. Install primed drip edge and fasten to meet **FBC Chapter 16** wind load requirements. Install 1/8-inch troweling of **Matrix™ 201 Premium SBS Flashing Cement** over drip edge.

Continue upslope in a similar manner, maintaining minimum 3-inch side-laps and minimum 6-inch end-laps. Ensure all end laps are staggered at least 18-inch apart.

Use a weighted lawn or linoleum roller to ensure complete adhesion to the substrate. Use a hand roller to firmly bond side and end laps.

6.11 StormGuard® Film Surfaced Leak Barrier:

6.11.1 Shall be installed in compliance with the codified requirements for **ASTM D1970** underlayment in **FBC Table 1507.1.1** for the type of prepared roof covering to be installed.

6.11.2 Back-nailing is required. Back-nailing shall consist of minimum 1-inch square or round cap nails spaced 18" o.c. within 3-inch side laps.

6.11.3 Non-Tile Applications:

Shall be fully self-adhered to the substrates noted in **Section 5.6**. Prior to removal of release film, align sheets properly starting at the low-point of the roof (eave) with the selvage edge upslope and for minimum 2-inch overhang at eaves and rakes. Remove the lower piece of release film and bond to substrate and fold the overhanging 2-inch over the eave and nail into place 12" o.c. Remove the top piece of release film and bond to substrate. Install primed drip edge and fasten to meet **FBC Chapter 16** wind load requirements. Install 1/8-inch troweling of **Matrix™ 201 Premium SBS Flashing Cement** over drip edge.

Continue upslope in a similar manner, maintaining minimum 3-inch side-laps and minimum 6-inch end-laps. Ensure all end laps are staggered at least 18-inch apart.

Use a hand roller to firmly bond side and end laps.

6.12 WeatherWatch® Mineral Surfaced Leak Barrier:

6.12.1 Shall be installed in compliance with the codified requirements for **ASTM D1970** underlayment in **FBC Table 1507.1.1** for the type of prepared roof covering to be installed.

6.12.2 **WeatherWatch® Mineral Surfaced Leak Barrier** may be installed as a secondary water barrier using minimum 4-inch wide rolls to seal plywood deck joints prior to installation of the primary underlayment system.

6.12.3 Back-nailing is required. Back-nailing shall consist of minimum 1-inch square or round cap nails spaced 18" o.c. within 4-inch side laps.

6.12.4 Non-Tile Applications:

Shall be fully self-adhered to the substrates noted in **Section 5.6**. Prior to removal of release film, align sheets properly starting at the low-point of the roof (eave) with the selvage edge upslope and for minimum 2-inch overhang at eaves and rakes. Remove the lower piece of release film and bond to substrate and fold the overhanging 2-inch over the eave and nail into place 12" o.c. Remove the top piece of release film and bond to substrate. Install primed drip edge and fasten to meet **FBC Chapter 16** wind load requirements. Install 1/8-inch troweling of **Matrix™ 201 Premium SBS Flashing Cement** over drip edge.

Continue upslope in a similar manner, maintaining minimum 3-inch side-laps and minimum 6-inch end-laps. Ensure all end laps are staggered at least 18-feet apart.

Use a hand roller to firmly bond side and end laps.

6.13 Ruberoid® Mop Granule; Ruberoid® Mop Granule FR:

6.13.1 **Ruberoid® Mop Granule** or **Ruberoid® Mop Granule FR** shall be installed in compliance with current **GAF** published installation requirements.

6.13.2 For use in tile applications, **Ruberoid® Mop Granule** or **Ruberoid® Mop Granule FR** are for use as an alternate to "Mineral Surface Roll Roofing" (ASTM D6380, Class M) in the "Single Ply System" from **FRSA/TRI April 2012 (04-12)** beneath mechanically fastened tile roof systems or the Hot Asphalt applied "Cap Sheet" in the "Two Ply System" from **FRSA/TRI April 2012 (04-12)** beneath mechanically fastened or adhered tile roof systems.

6.13.3 Fully adhere in **ASTM D312**, Type IV hot-asphalt to the substrates noted in **Section 5.6**. Side laps shall be minimum 4-inch and end-laps minimum 6-inch wide, and offset end-laps minimum 3-feet from course to course. Side and end-laps shall be fully adhered in a complete mopping of hot asphalt with asphalt extending approximately 3/8-inch beyond the lap edge.

6.13.4 Consult **GAF** instructions regarding back-nailing requirements.

6.14 Tile Staging (Ruberoid® Mop Granule; Ruberoid® Mop Granule FR):

6.14.1 Tile shall be loaded and staged in a manner that prevents tile slippage and/or damage to the underlayment. Refer to **Table 2** herein, and **GAF** published requirements for tile staging.

6.14.2 Battens and/or Counter-battens, as required by the tile manufacturer and **FRSA/TRI April 2012 (04-12)** must be used on all roof slopes greater than 7:12. Precautions should be taken as needed, such as the use of battens or nail-boards, to prevent tile sliding and/or damage to the underlayment during the loading process.

7. BUILDING PERMIT REQUIREMENTS:

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

8. MANUFACTURING PLANTS:

Contact the noted QA agency for information on product locations covered for **F.A.C. 61G20-3** QA requirements. The following plants have qualified products under their respective physical properties specifications.

Plant	Specification	Product(s)
Charleston, SC	FBC 1507.1.1 (Exception)	Tiger Paw™ Roof Deck Protection
Conover, NC	ASTM D6757	VersaShield® Fire-Resistant Roof Deck Protection
Dadra, India	FBC 1507.1.1 (Exception)	Tiger Paw™ Roof Deck Protection
Fontana, CA	AC165	RoofPro™ SBS-Modified All-Purpose Underlayment
Homer, LA	FBC 1507.1.1 (Exception)	Tiger Paw™ Roof Deck Protection (WIP)
McGregor, TX	FBC 1507.1.1 (Exception)	Shingle-Mate® Roof Deck Protection
Mission, BC	FBC 1507.1.1 (Exception)	Tiger Paw™ Roof Deck Protection
Mt. Vernon, IN	ASTM D1970	Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier
North Bay, Ontario	FBC 1507.1.1 (Exception)	Deck-Armor™ Premium Breathable Roof Deck Protection, StormSafe™ Anchor Sheet, Tiger Paw™ Roof Deck Protection (conversion)
Pryor, OK	FBC 1507.1.1 (Exception)	Shingle-Mate® Roof Deck Protection
Savannah, GA	ASTM D1970	StormGuard® Film Surfaced Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier
	ASTM D6164	Ruberoid® Mop Granule; Ruberoid® Mop Granule FR

9. QUALITY ASSURANCE ENTITY:

UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

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

OLIVO, ADOLFO MIGUEL

INTEGRITY CONSTRUCTION OF CENTRAL FLORIDA INC.
37 N ORANGE SUITE 510
ORLANDO FL 32801

LICENSE NUMBER: CGC1523783

EXPIRATION DATE: AUGUST 31, 2020

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RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE ROOFING CONTRACTOR HEREIN IS CERTIFIED UNDER THE
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OLIVO, ADOLFO MIGUEL

INTEGRITY CONSTRUCTION OF CENTRAL FLORIDA INC.
37 N ORANGE SUITE 510
ORLANDO FL 32801

LICENSE NUMBER: CCC1331405

EXPIRATION DATE: AUGUST 31, 2020

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 08/02/2018

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

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

PRODUCER
Soper, Perez & Associates, Inc.
506 E. State Rd. 434
Winter Springs FL 32708

CONTACT NAME: Norma Luongo
PHONE (A/C, No, Ext): 407 327 2550 FAX (A/C, No): 407 327 4499
E-MAIL ADDRESS: nluongo@soperperez.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : AMERICAN BUILDERS INS CO RRG INC	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Integrity Construction of Central Florida Inc.
37 N Orange Ave. Suite 510
ORLANDO FL 32801

COVERAGES **CERTIFICATE NUMBER:** 20180802165547551 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE | X | OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY | PRO-JECT | LOC OTHER:	Y	N	ABIC01737-00	05/08/2018	05/08/2019	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
	AUTOMOBILE LIABILITY ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
	UMBRELLA LIAB | OCCUR EXCESS LIAB | CLAIMS-MADE DED | RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N N/A 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)

CERTIFICATE HOLDER

CIIITY OF BELLE ISLE
1600 NELA AVE
BELLE ISLE FL 32809

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.

AUTHORIZED REPRESENTATIVE

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 8/2/2018

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

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

PRODUCER	CONTACT NAME: JORGE PEREZ
SOPERPEREZ AND ASSOCIATES INC 506 E STATE RD 434 WINTER SPRINGS FL 32708	PHONE (A/C, No, Ext): (407) 327-2550 FAX (A/C, No): E-MAIL ADDRESS: JPEREZ@SOPERPEREZ.COM
	INSURER(S) AFFORDING COVERAGE — NAIC #
	INSURER A: FWCJUA
INSURED INTEGRITY CONSTRUCTION OF CENTRAL FLORIDA INC. 37 N ORANGE AVE SUITE 510 ORLANDO FL 32801 FEIN: 474092510	INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:

COVERAGES **CERTIFICATE NUMBER:** 1808020061 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	DED ☐ RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [Y] (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		6G456695	7/14/2018	7/14/2019	X PER STATUTE ☐ OTH-ER	
							E.L. EACH ACCIDENT	$ 100,000.00
							E.L. DISEASE - EA EMPLOYEE	$ 100,000.00
							E.L. DISEASE - POLICY LIMIT	$ 500,000.00

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

CERTIFICATE HOLDER

City of Belle Isle
1600 Nela Avenue
Belle Isle FL 32809
Phone Number: (407) 851-7730

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.

AUTHORIZED REPRESENTATIVE

Laura A Terrance

Scott Randolph, Tax Collector — 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.**

2017 **EXPIRES 9/30/2018** 1801-1149462

1801	CERTIFIED GENERAL C	$30.00	1 EMPLOYEE	5000	BUSINESS OFFICE	$30.00	1 EMPLOYEE

SCOTT RANDOLPH, TAX COLLECTOR • ORANGE COUNTY, FLORIDA •

TOTAL TAX	$60.00
PENALTIES	$6.00
PREVIOUSLY PAID	$66.00
TOTAL DUE	$0.00

OLIVO ADOLFO M

INTEGRITY CONSTRUCTION OF CENTRAL FLORIDA INC
OLIVO ADOLFO M
1969 S ALAFAYA TRL STE#146
ORLANDO FL 32828

14530 CHEEVER ST (MOBILE)
U - ORLANDO, 32828

PAID: $66.00 2502-03382805 10/30/2017

This receipt is official when validated by the Tax Collector

CITY OF BELLE ISLE, FLORIDA

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

POWER OF ATTORNEY

Date: 08/06/2018 Permit #: _____

I hereby name and appoint Jonathan Spencer (print name) of

Integrity Construction of Central Florida, Inc. (company name) to be my lawful attorney-in-fact to act for

me and apply to the City of Belle Isle Building Department for a Roof (type of permit) permit

for work to be performed at the following location:

1801 Wind Willow Rd (street address), Belle Isle, FL ☒ 32809 ☐ 32812 and

to sign my name and do all things necessary to this appointment.

Certified Contractor's Printed Name: Adolfo Olivo

License Number: CCC1331405

Certified Contractor's Signature: Olivo

The foregoing instrument was acknowledged before me this 27 days of August of 2018

by Adolfo Olivo who is personally known to me or who produced

_____ as identification and who did not take an oath.

State of Florida
County of Orange

Vuiceno

Notary Public, Orange County, Florida

VANESSA QUICENO
MY COMMISSION # GG206817
EXPIRES: April 12, 2022

(seal)