



PERMIT CARD – PLEASE POST AT JOB SITE
 THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3.3: An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies." The issuance of this permit does not grant permission to violate any applicable City, Orange County, State of Florida and/or Federal codes and/or ordinances. Separate permits are required for Signs, Roofing, Electrical, Gas, Plumbing and Mechanical services. This permit becomes VOID if the work authorized is not commenced within 6 months, or is suspended or abandoned for a period of 6 months after commencement. WORK SHALL BE CONSIDERED SUSPENDED IF AN APPROVED INSPECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD. PERMISSION IS GRANTED TO DO THE FOLLOWING WORK ACCORDING TO THE CONDITIONS HEREON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA.

<p>Scope of Work: ROOF: Reroof; 4,100 s.f. asphalt shingles</p> <p>Comments: None</p> <p>Project Information Address: 5003 Gramont Avenue, Belle Isle, FL 32812 Parcel ID: 17-23-30-4379-01-810 Property Owner: Flory, Paul G & Mary K Phone Number: n/a</p> <p>***** Company Name: Total Roof Services Corp. Contractor Name: Morales, Jose License Number: CCC13330329 Address: 1820 N. Rio Grande Avenue Orlando, FL 32804 Phone Number: 888-626-0523</p>	<p align="right">Permit Number: 2017-04-043</p> <p align="right">Date of Application: 04/06/2017 Date Permit Issued: 04/13/2017</p> <p>WARNING TO OWNER: "YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU 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." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.</p>
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BUILDING FEATURES

<p>IMPACT FEES</p> <p>Traffic \$ School \$</p> <p>ZONING FEES</p> <p>Zoning Fee \$30.00</p> <p>UNIVERSAL ENG - BUILDING FEES</p> <p>Boat Dock \$ Boat House \$ Building \$ Demo \$ Door(s) \$ Driveway \$ Electrical \$ Fence \$ Gas \$ Irrigation \$ Low Voltage \$ Mechanical \$ Plumbing \$ Pool \$ Roofing \$95.00 Screen Encl \$ Shed \$ Temp Pole \$ Window(s) \$</p> <p>SURCHARGE FEES</p> <p>Surcharge Fee \$2.00 Surcharge Fee \$2.00</p> <p align="center">TOTAL FEES \$129.00</p> <p>Date Paid <u>4-14-17</u></p> <p>CC or Check # <u>VISA 5849</u></p> <p>Amount Paid <u>129.00</u></p> <p>The person accepting this permit shall conform to the terms of the application on file and construction shall conform to the requirements of the Florida Building Code (FS 553).</p>	<p align="center">BUILDING INSPECTOR USE ONLY</p> <p>IF APPLICABLE: Have Zoning Approval Conditions Been Met? YES NO Have Stormwater Approval Conditions Been Met? YES NO Silt fencing in place? YES NO Turbidity Barrier in place? YES NO</p> <p><input type="checkbox"/> BUILDING</p> <p>1st _____ (Footing/Foundation) Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? ____</p> <p>2nd _____ (Slab)</p> <p>3rd _____ (Lintel)(Wall Reinforcing on Masonry Building)</p> <p>4th _____ (Exterior Framing)(Roof/Wall Sheathing)</p> <p>5th _____ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed)</p> <p>6th _____ (Insulation to be Made After Roof Installed)</p> <p>7th _____ (Drywall)</p> <p>8th _____ (Sidewalk/Driveway)</p> <p>9th _____ (Other)</p> <p>10th _____ (Final – After MEP and Other Applicable Finals)</p> <p><input type="checkbox"/> ROOFING OSHA APPROVED ACCESS MUST BE MADE AVAILABLE TO INSPECTOR</p> <p>1ST ROOFING Deck Nailing/Dry-in/Flashing _____</p> <p>2ND ROOFING Covering In-Progress _____</p> <p>3RD ROOFING Covering Final _____</p> <p><input type="checkbox"/> PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)</p> <p><input type="checkbox"/></p> <p>1ST _____ (Underground) 2ND _____ (Sewer)</p> <p>3RD _____ (Rough-In/Tub Set) 4TH _____ (Final)</p> <p>CHECK APPROPRIATE BOX</p> <p><input type="checkbox"/> GAS ___Natural___LP <input type="checkbox"/> MECHANICAL <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> LOW VOLTAGE</p> <p>1st _____ (Rough-In) 2nd _____ (Final)</p>
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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 1pm.** 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 3833 Maggia Blvd. One
 Tel: 407-581-2181 Fax: 407-581-0113

RECEIVED
APR 13 2017
 BY: _____

APPLICATION FOR ROOFING PERMIT

DATE OF APPLICATION: 4/6/17 ROOF PERMIT NUMBER: 2017-04-043
 PLEASE PRINT: The undersigned hereby applies for a permit to have installations as indicated below:

Project Address: 5003 Gramont Avenue Date Issued: FL 07809 02917
 Property Owner: Paul G & Mary K Flory Phone: _____
 Property Owner's Mailing Address: 5003 Gramont Avenue Belle Isle
 State: FL Zip Code: 32812 Parcel Id Number: 17-23-30-4379-01-810
 REQUIRED! To obtain this permit, you must submit a copy of the following documents to the City Engineer:

Class of Building: Old New Type of Building: Residential Commercial Other
 Type of Work: New Roof Re-Roof

- REQUIRED! Florida Product Approval Screen Printout from www.flproduct.com showing the Code Version
- REQUIRED! Florida Product Approval Installation Instructions from www.flproduct.com (not the manufacturer's instructions)
- REQUIRED! Copies of your General Liability & Worker's Comp Insurance Certificate & State and Local Licenses

Please indicate the nature of work by checking the appropriate box:
 Roof Square Footage: 4100 Number of Stories: 1 Job Valuation: \$ 14,130.00 ^{>15}
 Type: Asphalt Shingles Metal Aligned Shingles Other: _____

I hereby certify that the above is true and correct; the sign of my hand and date is written for every structure above and if work is done I agree to conform to all Florida Building Code Regulations and the City of Belle Isle's regulations and to accept all conditions of the permit. I understand that the City of Belle Isle is not responsible for any damage to property or injury to persons or animals caused by the work. I understand that the City of Belle Isle is not responsible for any damage to property or injury to persons or animals caused by the work. I understand that the City of Belle Isle is not responsible for any damage to property or injury to persons or animals caused by the work. I understand that the City of Belle Isle is not responsible for any damage to property or injury to persons or animals caused by the work.

LICENSE HOLDER SIGNATURE: [Signature] LICENSE # CCC13330329
 LICENSE HOLDER NAME: Jose Morales COMPANY NAME: Total Roof Services Corp
 Street Address: 1820 N Rio Grande Avenue
 City: Orlando State: FL Zip Code: 32804 Phone Number: 888-626-0523
 Email Address: operations@totalroofservices.com

Building Official: [Signature] Date: 4-13-17
 Verified Copy attached with this permit and on file: [Signature] 4-13-17

30.00
 95.00 ✓
 0
 129.00 ✓

1571K 25
 5x14 70
 95

2017-04-043

Permit Number:
Folio/Parcel Identification Number: 17-23-30-4379-01-810
Prepared by: TOTAL ROOF SERVICES CORP
1820 N RIO GRANDE AVE ORLANDO FL 32804
Return to: TOTAL ROOF SERVICES CORP
1820 N RIO GRANDE AVE CORP

NOTICE OF COMMENCEMENT

State of Florida, County of Orange

The undersigned hereby gives notice that improvement(s) 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)
Lake Conway Estates Section 3 Y/19 Lot 181 5003 Gramont Ave Belle Isle FL 32812
- 2. **General description of improvement(s)**
ROOF REPLACEMENT
- 3. **Owner information**
Name Paul G & Mary K Flory Telephone Number _____
Address 5003 Gramont Ave Belle Isle FL 32812 Interest in Property _____
- 4. **Fee Simple Title Holder** (if other than owner shown above)
Name n/a Telephone Number _____
Address _____
- 5. **Contractor**
Name Total Roof Services Corp Telephone Number 888-626-0523
Address 1820 N Rio Grande Ave Orlando FL 32804
- 6. **Surety** (if any)
Name n/a Telephone Number _____
Address _____ Amount of bond \$ _____
- 7. **Lender** (if any)
Name n/a Telephone Number _____
Address _____
- 8. **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 _____
- 9. **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 _____ Telephone Number _____
Address _____
- 10. **Expiration date of notice of commencement** (the expiration date is one 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.

11. Paul G Flory Signature of Owner Paul Flory Signatory's Printed Name/Title/Office
(or Owner's Authorized Officer/Director/Partner/Manager §713.13(1)(d))

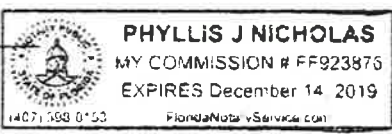
The foregoing instrument was acknowledged before me this 3 day of April 2017 by Paul Flory
as owner for property
(Type of authority, e.g., officer, trustee, attorney in fact) (Name of party on behalf of whom instrument was executed)

Phyllis J. Nicholas Signature of Notary Public - State of Florida (Print, type, or stamp commissioned name of Notary Public)

Personally Known _____ OR Produced ID FL DL
Type of ID Produced _____

Verification pursuant to Section 92.525, Florida Statutes: Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Paul G Flory
Signature of Natural Person Signing on Line 11-Above





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: 4/6/17

Permit #: 2017-04-043

I hereby name and appoint Wendy Allman of _____
(print name)

Total Roof Service Corp to be my lawful attorney-in-fact to act for
(company name)

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

for work to be performed at the following location:

5003 Gramont Ave, Belle Isle, FL 32809 32812 and
(street address)

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

Certified Contractor's Printed Name: Jose Morales

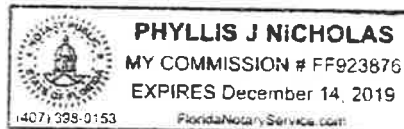
License Number: CCC1330329

Certified Contractor's Signature: _____
(Handwritten signature)

.....
The foregoing instrument was acknowledged before me this 6th days of April of 20 17
by Jose Morales who is personally known to me or who produced
_____ as identification and who did not take an oath.

State of Florida
County of Orange

Phyllis J. Nicholas
Notary Public, Orange County, Florida



(seal)



City of Belle Isle

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

Product Approval Form

DATE: 4/6/17

PERMIT # 2017-04-043

PROJECT ADDRESS 5003 Gramont Ave

Belle Isle, FL 32809 32812

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

1. This Product Approval Cover Sheet
2. Internet screen from FloridaBuilding.org showing PA#, approval and code edition stamped
3. Manufacturer's installation details from FloridaBuilding.org and requirements for each product stamped

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
EXTERIOR DOORS				WALL PANELS			
Swinging				Sliding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
WINDOWS				ROOFING PRODUCTS			
Single/Dbi Hung				Asphalt Shingles	GAF	Timberline HD	FL10124
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Other			
Skylights				<u>underlayment</u>			FL10626 valley 15487
Other							
STRUCTURAL COMPONENTS				OTHER			
Wood Connectors							
Wood Anchors							
Truss Plates							
Insulation Forms							
Lintels							
Other							

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

Applicant Signature

[Signature], Agent

Date

4/6/17



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Product Approval
USER: Public User

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 [Application List](#) >
 Application Detail

OFFICE OF THE SECRETARY

FL #	FL10124-R19												
Application Type	Revision												
Code Version	2014												
Application Status	Approved												
Comments													
Archived	<input type="checkbox"/>												
Product Manufacturer	GAF												
Address/Phone/Email	1 Campus Drive Parispany, NJ 07054 (800) 766-3411 mstieh@gaf.com												
Authorized Signature	Robert Nieminen lindareith@trinityerd.com												
Technical Representative	Beth McSorley (current)												
Address/Phone/Email	1 Campus Drive Parsippany, NJ 07054 (973) 872-4421 bmcsorley@gaf.com												
Quality Assurance Representative													
Address/Phone/Email													
Category	Roofing												
Subcategory	Asphalt Shingles												
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received												
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen												
Florida License	PE-59166												
Quality Assurance Entity	UL LLC												
Quality Assurance Contract Expiration Date	03/03/2018												
Validated By	John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received												
Certificate of Independence	FL10124_R19_COI_2016_01_COI_Nieminen.pdf												
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>ASTM D1970</td> <td>2009</td> </tr> <tr> <td>ASTM D3161</td> <td>2009</td> </tr> <tr> <td>ASTM D3462</td> <td>2009</td> </tr> <tr> <td>ASTM D7158</td> <td>2008</td> </tr> <tr> <td>TAS 107</td> <td>1995</td> </tr> </tbody> </table>	Standard	Year	ASTM D1970	2009	ASTM D3161	2009	ASTM D3462	2009	ASTM D7158	2008	TAS 107	1995
Standard	Year												
ASTM D1970	2009												
ASTM D3161	2009												
ASTM D3462	2009												
ASTM D7158	2008												
TAS 107	1995												
Equivalence of Product Standards Certified By													
Sections from the Code													



Product Approval Method	Method 1 Option D
Date Submitted	08/26/2016
Date Validated	08/26/2016
Date Pending FBC Approval	08/30/2016
Date Approved	10/13/2016

Summary of Products

FL #	Model, Number or Name	Description
10124.1	GAF Asphalt Roof Shingles	Fiberglass reinforced 3-tab, laminated, 5-tab and hip/ridge asphalt shingles
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to ER, Section 5.		Installation Instructions FL10124 R19 II 2016 08 FINAL ER GAF Asphalt Shingles FL10124-R19.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL10124 R19 AE 2016 08 FINAL ER GAF Asphalt Shingles FL10124-R19.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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Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:



Credit Card
Safe





EXTERIOR RESEARCH & DESIGN, LLC.

Certificate of Authorization #9503
353 CHRISTIAN STREET, UNIT #13
OXFORD, CT 06478
PHONE: (203) 262-9245
FAX: (203) 262-9243

EVALUATION REPORT

GAF

1 Campus Drive
Parsippany, NJ 07054

Evaluation Report 01506.01.08-R21

FL10124-R19

Date of Issuance: 01/03/2008

Revision 21: 08/26/2016

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 **5th Edition (2014) Florida Building Code** sections noted herein.

DESCRIPTION: GAF Asphalt Roof Shingles

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

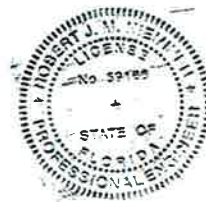
CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to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

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

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

This Evaluation Report consists of pages 1 through 6.

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 08/26/2016. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client

CERTIFICATION OF INDEPENDENCE:

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

ROOFING SYSTEMS EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Asphalt Shingles

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

2. STANDARDS:

<u>Section</u>	<u>Property</u>	<u>Standard</u>	<u>Year</u>
1507.2.4, R905.2.3	Physical Properties	ASTM D1970	2009
1507.2.5, R905.2.4	Physical Properties	ASTM D3462	2009
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D3161	2009
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D7158	2008
1507.2.7.1, R905.2.6.1	Wind Resistance	TAS 107	1995

3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
GAF (PDM 1915)	Letter of Equivalency	Seal-A-Ridge Impact Resistant IR	01/13/2012
PRI (TST 5878)	Physical Properties	GAF-025-02-01	03/27/2002
PRI (TST 5878)	ASTM D3462	GAF-059-02-01	09/02/2004
PRI (TST 5878)	ASTM D3462	GAF-080-02-01	05/25/2005
PRI (TST 5878)	Physical Properties	GAF-324-02-01	12/01/2011
PRI (TST 5878)	Wind Driven Rain	GAF-407-02-01	01/21/2013
UL (TST 1740)	ASTM D3462	93NK6295	11/29/1993
UL (TST 1740)	ASTM D3462	99NK43835	01/12/2000
UL (TST 1740)	TAS 107	94NK9632	03/29/2000
UL (TST 1740)	ASTM D3462	01NK06632	02/02/2001
UL (TST 1740)	ASTM D3161, TAS 107	01NK9226	05/21/2001
UL (TST 1740)	ASTM D3161	01NK37122	12/18/2001
UL (TST 1740)	ASTM D3462	01NK37122	12/19/2001
UL (TST 1740)	ASTM D3161, TAS 107	02NK12980	04/10/2002
UL (TST 1740)	ASTM D3161, TAS 107	02NK30871	09/09/2002
UL (TST 1740)	ASTM D3161	03CA5367	03/11/2003
UL (TST 1740)	ASTM D3462	03NK26444	10/17/2003
UL (TST 1740)	ASTM D3462	04NK13850	06/07/2004
UL (TST 1740)	ASTM D3161	04NK13850	06/23/2004
UL (TST 1740)	ASTM D3161	04NK30546	03/10/2005
UL (TST 1740)	ASTM D3462	04NK22009	05/06/2005
UL (TST 1740)	ASTM D3161	04NK22009	05/09/2005
UL (TST 1740)	ASTM D3462	05NK27924	02/10/2006
UL (TST 1740)	ASTM D3161	05NK27924	02/11/2006
UL (TST 1740)	ASTM D3161, D3462	06CA18077	06/05/2006
UL (TST 1740)	ASTM D3161, D3462	06CA18074	06/16/2006
UL (TST 1740)	ASTM D3161, D3462	06CA35251	10/18/2006
UL (TST 1740)	ASTM D3462	06CA31603	12/01/2006
UL (TST 1740)	ASTM D3161, D3462	06CA41095	12/27/2006
UL (TST 1740)	ASTM D3161	07NK05228	03/13/2007
UL (TST 1740)	ASTM D3161	06CA31611	04/04/2007
UL (TST 1740)	ASTM D3161	06CA61148	04/09/2007
UL (TST 1740)	ASTM D3161, D3462	07CA31742	11/08/2007
UL (TST 1740)	ASTM D3161, D7158, D3462	08CA06100	03/13/2008
UL (TST 1740)	ASTM D3161, D3462	07CA55908	04/01/2008

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
UL (TST 1740)	ASTM D3161, D3462	09CA10592	03/26/2009
UL (TST 1740)	ASTM D3161, D3462	09CA06856	05/15/2009
UL (TST 1740)	ASTM D3161, D7158, D3462	09NK06647	08/01/2009
UL (TST 1740)	ASTM D3161, D7158, D3462	09CA27281	08/27/2009
UL (TST 1740)	ASTM D3161, D7158, D3462	10CA35554	03/05/2010
UL (TST 1740)	ASTM D3161, D7158, D3462	10CA13686	05/15/2010
UL (TST 1740)	ASTM D3462	10CA07264	05/27/2010
UL (TST 1740)	ASTM D3462	10CA11953	10/29/2010
UL (TST 1740)	ASTM D3161, D7158, D3462	10NK11951	10/30/2010
UL (TST 1740)	ASTM D3161, D7158, D3462	10NK12070	11/04/2010
UL (TST 1740)	ASTM D3161, D7158, D3462	08CA06100	01/30/2010
UL (TST 1740)	ASTM D3161, D7158, D3462	10CA53934	03/31/2011
UL (TST 1740)	ASTM D3161, D7158, D3462	11CA48924	10/22/2011
UL (TST 1740)	ASTM D3161, D7158, D3462	11CA47919	12/03/2011
UL (TST 1740)	ASTM D3161, D7158, D3462	11CA48408	12/08/2011
UL (TST 1740)	ASTM D3161, D7158, D3462	11CA48725	12/09/2011
UL, LLC. (TST 9628)	ASTM D3462	12CA34891	10/12/2012
UL, LLC. (TST 9628)	ASTM D3161, D7158, D3462	12CA58151	02/15/2013
UL, LLC. (TST 9628)	ASTM D3161	12CA38083	02/26/2013
UL, LLC. (TST 9628)	ASTM D3161	13CA32332	06/18/2013
UL, LLC. (TST 9628)	ASTM D3161	13CA37934	08/02/2013
UL, LLC. (TST 9628)	ASTM D3161, D7158, D3462	4786875675	07/17/2015
UL, LLC. (TST 9628)	ASTM D3161, D7158, D3462	4787434542	05/17/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Mobile, AL	12/28/2015
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Myerstown, PA	02/23/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Tuscaloosa, AL	02/26/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Michigan Cty, IN	03/02/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Shafter, CA	02/18/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Savannah, GA	02/24/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Minneapolis, MN	02/09/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Mt. Vernon, IN	02/09/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Baltimore, MD	03/01/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Tampa, FL	02/29/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Dallas, TX	02/17/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Ennis, TX	02/03/2016
UL, LLC. (QUA 9625)	Quality Control	Inspection Report, R21, Fontana, CA	03/03/2016

4. PRODUCT DESCRIPTION:

4.1 Asphalt Shingles:

- 4.1.1 Marquis® WeatherMax®, Royal Sovereign® and Sentinel® are a fiberglass reinforced 3-tab asphalt roof shingles.
- 4.1.2 Camelot®, Camelot® II, Fortitude™, Glenwood™, Grand Canyon®, Grand Sequoia®, Grand Sequoia® IR, Grand Sequoia® ArmorShield™, Monaco®, Sienna®, Timberline® American Harvest®, Timberline® ArmorShield™ II, Timberline® Natural Shadow®, Timberline HD®, Timberline® Cool Series®, Timberline Ultra HD® and Woodland® are fiberglass reinforced, laminated asphalt roof shingles.
- 4.1.3 Slateline® is a fiberglass reinforced 5-tab asphalt roof shingle.

4.2 Hip & Ridge Shingles:

- 4.2.1 Seal-A-Ridge® Ridge Cap Shingles, Seal-A-Ridge® IR Impact-Resistant Ridge Cap Shingles, Seal-A-Ridge® ArmorShield™ Ridge Cap Shingles and Timbertex® Premium Ridge Cap Shingles are fiberglass reinforced, hip and ridge asphalt roof shingles.

4.3 Accessory Starter Strips:

- 4.3.1 Pro-Start® Eave/Rake Starter Strip Shingles and WeatherBlocker™ Premium Eave/Rake Starter Strip Shingles are starter strips for asphalt roof shingles.
- 4.3.2 QuickStart® Peel & Stick Starter Roll is a mineral-surfaced, fiberglass-reinforced, self-adhering SBS modified bitumen starter strip, nominal 9-inch x 33 ft roll, for use with asphalt shingles with exposure of 6-inch or less.
- 4.3.3 StarterMatch™ Starter Strip Shingles are color-coordinated starter strips for use with Grand Canyon® and Grand Sequoia® series asphalt shingles. StarterMatch™ are installed as the second starter for Grand Canyon® and Grand Sequoia® series installations.

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in the HVHZ.
- 5.3 Fire Classification is not part of this Evaluation Report; refer to current Approved Roofing Materials Directory for fire ratings of this product.

5.4 Wind Classification:

- 5.4.1 The **GAF asphalt shingles** noted in **Section 4.1** are Classified in accordance with FBC Tables 1507.2.7.1 and R905.2.6.1 to ASTM D3161, Class F and/or ASTM D7158, Class H, indicating the shingles are acceptable for use in all wind zones up to $V_{asd} = 150$ mph ($V_{ult} = 194$ mph). Refer to Section 6 for installation requirements to meet this wind rating.
- 5.4.2 The **GAF hip & ridge shingles** noted in **Section 4.2** are Classified in accordance with FBC Tables 1507.2.7.1 and R905.2.6.1 to ASTM D3161, Class F, indicating the shingles are acceptable for use in all wind zones up to $V_{asd} = 150$ mph ($V_{ult} = 194$ mph). Refer to Section 6 for installation requirements to meet this wind rating.
- 5.4.3 Classification by ASTM D7158 applies only to exposure category B or C, as defined in FBC 1609.4.3, and a mean roof height of 60 feet or less. Calculations by a qualified design professional are required for conditions outside these limitations. Contact the shingle manufacturer for data specific to each shingle.
- 5.5 All products in the roof assembly shall have quality assurance audit in accordance with the Florida Building Code and F.A.C. Rule 61G20-3.

6. INSTALLATION:

6.1 Underlayment:

- 6.1.1 Underlayment shall be acceptable to GAF 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 Starter Shingles or Starter Strip:

- 6.2.1 Installation of Pro-Start Eave/Rake Starter Strip Shingles, WeatherBlocker Premium Eave/Rake Starter Strip Shingles and QuickStart Peel & Stick Starter Roll shall comply with the GAF current published instructions.

6.3 Asphalt Shingles:

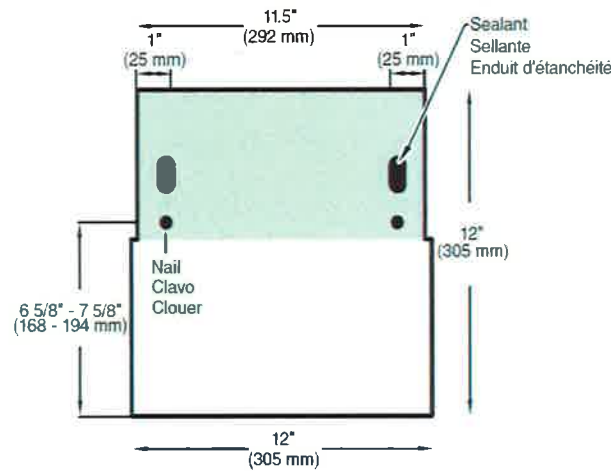
- 6.3.1 Installation of asphalt shingles shall comply with the manufacturer's current published instructions, using minimum four (4) nails per shingle in accordance with FBC Sections 1507.2 or R905.2, with the following exceptions:
 - Camelot, Camelot II, Grand Canyon, Grand Sequoia, Grand Sequoia IR, Grand Sequoia ArmorShield, and Woodland require minimum five (5) nails per shingle.
 - Slateline requires minimum six (6) nails per shingle.

6.3.2 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.

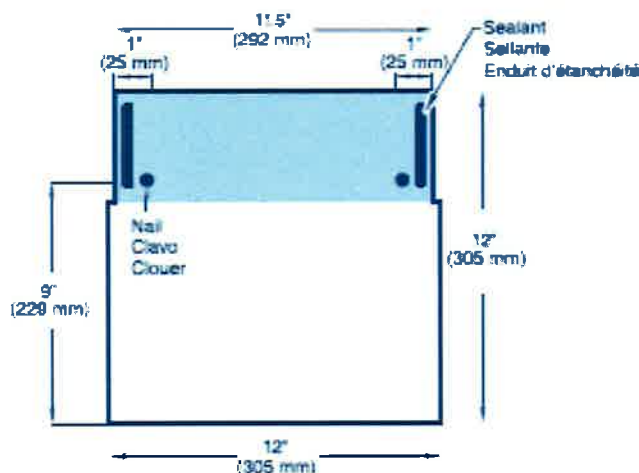
6.3.3 Where the roof slope exceeds 21 units vertical in 12 units horizontal, special methods of fastening are required. Contact the shingle manufacturer for details.

6.4 Hip & Ridge Shingles:

6.4.1 Installation of Seal-A-Ridge Ridge Cap Shingles, Seal-A-Ridge IR Impact-Resistant Ridge Cap Shingles and Seal-A-Ridge ArmorShield Ridge Cap Shingles shall comply with the manufacturer’s current published instructions with a minimum two (2) nails, minimum 3/8-inch head diameter, per shingle and nominal 0.25-inch diameter beads of Henkel “Loctite PL S30 Roof & Flashing Sealant”.



6.4.2 Installation of Timbertex Premium Ridge Cap Shingles shall comply with the manufacturer’s current published instructions with a minimum two (2) nails, minimum 3/8-inch head diameter, per shingle and beads of Sonneborn NP1 Gun Grade Polyurethane Sealant or Henkel PL Roofing and Flashing Sealant.



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

7. LABELING:

- 7.1 Labeling shall be in accordance with the requirements the Accredited Quality Assurance Agency noted herein.
- 7.2 Asphalt shingle wrappers shall indicate compliance with one of the required classifications detailed in FBC Table 1507.2.7.1 / R905.2.6.1.

8. BUILDING PERMIT REQUIREMENTS:

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

9. MANUFACTURING PLANTS:

Contact the named QA entity for information on which plants produce products covered by Florida Rule 61G20-3 QA requirements.

10. QUALITY ASSURANCE ENTITY:

UL LLC – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -



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Product Approval
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 Application Detail



FL # FL10626-R12
Application Type Revision
Code Version 2014
Application Status Approved



Comments
 Archived

Product Manufacturer GAF
Address/Phone/Email 1 Campus Drive
 Parsippany, NJ 07054
 (800) 766-3411
 mstieh@gaf.com

Authorized Signature Robert Nieminen
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Technical Representative Beth McSorley (current)
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 Parsippany, NJ 07054
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 bmcsorley@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 11/12/2017
Validated By John W. Knezevich, PE
 Validation Checklist - Hardcopy Received

Certificate of Independence [FL10626 R12 COI 2015 01 COI Nieminen.pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM D1970	2009
	ASTM D6164	2005
	ASTM D6757	2007
	FM 4474	2004
	FRSA/TRI April 2012 (04-12)	2012
	TAS 103	1995

Equivalence of Product Standards Certified By

Sections from the Code

Product Approval Method	Method 1 Option D
Date Submitted	03/31/2015
Date Validated	04/08/2015
Date Pending FBC Approval	04/12/2015
Date Approved	06/23/2015

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/-45.0 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 R12 II 2015 03 FINAL ER GAF Underlayments FL10626-R12.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL10626 R12 AE 2015 03 FINAL ER GAF Underlayments FL10626-R12.pdf Created by Independent Third Party: Yes

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

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

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Product Approval Accepts:



Credit Card
Safe





EXTERIOR RESEARCH & DESIGN, LLC.
 Certificate of Authorization #9503
 353 CHRISTIAN STREET, UNIT #13
 OXFORD, CT 06478
 PHONE: (203) 262-9245
 FAX: (203) 262-9243

EVALUATION REPORT

GAF
 1 Campus Drive
 Parsippany, NJ 07054

Evaluation Report 01506.04.08-R12
FL10626-R12
Date of Issuance: 04/25/2008
Revision 12: 03/31/2015

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 5th Edition (2014) Florida Building Code sections noted herein.

DESCRIPTION: GAF Roof Underlayments

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

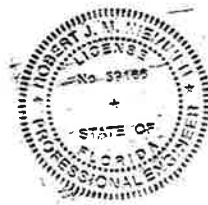
CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to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

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

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

This Evaluation Report consists of pages 1 through 8.

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 03/31/2015. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client

CERTIFICATION OF INDEPENDENCE:

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

ROOFING COMPONENT EVALUATION:
1. SCOPE:
Product Category: Roofing

Sub-Category: Underlayment

Compliance Statement: 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:

<u>Section</u>	<u>Property</u>	<u>Standard</u>	<u>Year</u>
1504.3.1	Wind Uplift	FM 4474	2004
1507.2.4, 1507.2.9.2, 1507.5.3, 1507.7.3	Physical Properties	ASTM D1970	2009
1507.2.3	Physical Properties	ASTM D6757	2007
1507.11.2	Physical Properties	ASTM D6164	2005
1523.6.5.2.1	Physical Properties	TAS 103	1995
1507.3.3	Installation Practice	FRSA/TRI April 2012 (04-12)	2012

3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
ERD (TST 6049)	Physical Properties	G12210.06.09	08/03/2009
ERD (TST 6049)	Physical Properties	G34150.08.11	11/14/2011
ERD (TST 6049)	Physical Properties	G40630.01.14-2B	01/07/2014
ERD (TST 6049)	Physical Properties	G46160SC	04/14/2014
PRI (TST 5878)	Physical properties	GAF-026-02-01	03/26/2002
PRI (TST 5878)	Physical properties	GAF-027-02-01	03/26/2002
PRI (TST 5878)	Physical properties	GAF-042-02-02	03/12/2004
PRI (TST 5878)	Physical properties	GAF-042-02-01	06/03/2005
PRI (TST 5878)	Physical properties	GAF-154-02-01	02/06/2007
PRI (TST 5878)	Physical properties	RGM-023-02-01	02/09/2007
PRI (TST 5878)	Physical properties	ELK-311-02-01	09/11/2007
PRI (TST 5878)	Physical properties	GAF-238-02-01	03/03/2010
PRI (TST 5878)	Physical properties	GAF-275-02-01	11/11/2010
PRI (TST 5878)	Physical properties	GAF-349-02-01	06/19/2012
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
ITS (TST 1509)	Physical properties	3077464-002	09/14/2005
ITS (TST 1509)	Physical properties	3077464-02	01/09/2006
UL (TST 1740)	Physical properties	02NK22569	06/04/2002
UL (TST 1740)	Physical properties	10NK11990	05/18/2011
Miami-Dade (CER 1592)	HVHZ compliance	13-1104.05	02/20/2014
Miami-Dade (CER 1592)	HVHZ compliance	13-1104.11	03/06/2014
Miami-Dade (CER 1592)	HVHZ compliance	14-1022.26	02/05/2015
ICC-ES (EVL2396)	IBC compliance	ESR-1322	01/01/2014
UL, LLC. (QUA 9625)	Quality Control	Inspect, File R10689, Stockton, CA	11/12/2014
UL, LLC. (QUA 9625)	Quality Control	Inspect, File R10689, Hickory, NC	03/04/2015
UL, LLC. (QUA 9625)	Quality Control	Inspect, File R10689, Mt. Vernon, IN	01/16/2015
UL, LLC. (QUA 9625)	Quality Control	Inspect, File R10689, Pryor, OK	02/05/2015

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.

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

- 4.1.3 **UnderRoof™ 2 Polyester-Surfaced Leak Barrier** is a spun-bond-glass-reinforced-polyester-mat-surfaced, composite-reinforced, SBS self-adhering modified bitumen roof underlayment.
- 4.1.4 **UnderRoof™ HT High Temperature Leak Barrier** is a polyester-mat-surfaced, fiberglass-reinforced, self-adhering SBS modified bitumen roof underlayment.
- 4.1.5 **WeatherWatch® Mineral Surfaced Leak Barrier** is a mineral-surfaced, fiberglass-reinforced, self-adhering SBS modified bitumen roof underlayment. WeatherWatch® Mineral Surfaced Leak Barrier is also used as a secondary water barrier to seal roof decks.
- 4.1.6 **WeatherWatch® XT Mat Surfaced Leak Barrier** is a coated-mat-surfaced, fiberglass-reinforced, self-adhering SBS modified bitumen roof underlayment.
- 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.
- 4.3 **Asphalt-Applied Underlayments:**
- 4.3.1 **Ruberoid® Mop Granule** is a granule-surfaced, polyester-reinforced, asphalt-applied SBS modified bitumen roof underlayment.
- 4.3.2 **Ruberoid® Mop Granule FR (formerly Ruberoid® Mop 170 FR)** is a granule-surfaced, polyester-reinforced, asphalt-applied SBS modified bitumen roof underlayment.

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in the HVHZ.
- 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 AHJ for approval based on this evaluation combined with supporting data for the prepared roof covering.
- 5.5 Allowable roof covers applied atop GAF Roof Underlayments are follows:

TABLE 1: ROOF COVER OPTIONS						
Underlayment	Asphalt Shingles	Nail-On Tile	Foam-On Tile	Metal	Wood Shakes & Shingles	Slate or Simulated Slate
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
UnderRoof™ 2 Polyester-Surfaced Leak Barrier	Yes	Yes	Yes See 5.5.1	No	No	Yes
UnderRoof™ HT High Temperature Leak Barrier	Yes	No	No	Yes	No	No
WeatherWatch® Mineral Surfaced Leak Barrier	Yes	No	No	No	No	No
WeatherWatch® XT Mat 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 unless tensile adhesion / long term aging data from an accredited testing laboratory is provided.

Underlayment(s)	Adhesive Option(s)
UnderRoof™ 2 Polyester-Surfaced Leak Barrier	3M™ 2-Component Roof Tile Adhesive AH-160 (FL6332)
Ruberoid® Mop Granule; Ruberoid® Mop Granule FR	Dow TileBond (FL717)

5.6 Allowable substrates are noted below:

5.6.1 Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier; UnderRoof™ 2 Polyester-Surfaced Leak Barrier; UnderRoof™ HT High Temperature Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier and WeatherWatch® XT Mat Surfaced Leak Barrier, Self-Adhered to Deck:

- New untreated plywood;
- Existing untreated ASTM D41 primed plywood.

Ruberoid® Mop Granule and Ruberoid® Mop Granule FR, Asphalt-Applied to Deck:

- ASTM D41 primed structural concrete.

5.6.2 Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier; UnderRoof™ 2 Polyester-Surfaced Leak Barrier; UnderRoof™ HT High Temperature Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier and WeatherWatch® XT Mat Surfaced Leak Barrier, Self-Adhered to Mechanically Attached Base Underlayment:

- ASTM D226, Type II felt.
- StormSafe™ Anchor Sheet

Ruberoid® Mop Granule and Ruberoid® Mop Granule FR, Asphalt-Applied to Mechanically Attached Base Underlayment:

- GAFGLAS® #80 Ultima™ Base Sheet;
- Ruberoid® 20 Smooth.

For installations under mechanically attached prepared roof coverings, base layer shall be attached per minimum codified requirements. For installations under foam-on tile systems, base layer shall be attached per minimum requirements of FRSA/TRI April 2012 (04-12) or as detailed below.

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 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 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 FBC 1609 for determination of design wind loads.

5.6.4.1 Maximum Design Pressure = -45 psf.

Deck: Min. 15/32-inch plywood to meet project requirements to satisfaction of AHJ.

Primer: (Optional) ASTM D41

Underlayment: UnderRoof™ 2 Polyester-Surfaced Leak Barrier, self-adhered

5.6.4.2 Maximum Design Pressure = -45 psf.

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

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.

- 5.6.4.3 **Maximum Design Pressure = -45 psf.**
 Deck: Min. 19/32-inch plywood to meet project requirements to satisfaction of AHJ.
 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.
- 5.7 Exposure Limitations:
- 5.7.1 Liberty™ SBS Self-Adhering Base/Ply Sheet; StormGuard® Film Surfaced Leak Barrier; UnderRoof™ HT High Temperature Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier and WeatherWatch® XT Mat Surfaced Leak Barrier shall not be left exposed for longer than 30-days after installation.
- 5.7.2 VersaShield® Fire-Resistant Roof Deck Protection, UnderRoof™ 2 Polyester-Surfaced Leak Barrier, Ruberoid® Mop Granule and Ruberoid® Mop Granule FR shall not be left exposed for longer than 180-days after installation.

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 **VersaShield® Fire-Resistant Roof Deck Protection:**
- 6.5.1 Install VersaShield® Fire-Resistant Roof Deck Protection in compliance with manufacturer's published installation instructions and the requirements for ASTM D6757 underlayment in FBC Section 1507.2.3 for the type of prepared roof covering to be installed. A double layer is required for $2:12 \leq$ roof slope $< 4:12$. No hammer tacks or staples are permitted
- 6.5.2 **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; UnderRoof™ 2 Polyester-Surfaced Leak Barrier; UnderRoof™ HT High Temperature Leak Barrier; WeatherWatch® Mineral Surfaced or WeatherWatch® XT Mat 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 **Liberty™ SBS Self-Adhering Base/Ply Sheet:**
- 6.6.1 Install Liberty™ SBS Self-Adhering Base/Ply Sheet in compliance with manufacturer's published installation instructions and the requirements for ASTM D1970 underlayments in FBC Sections 1507 for the type of prepared roof covering to be installed.
- 6.6.2 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.
- 6.6.3 **For non-tile applications, direct to deck:**
 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.

6.6.4 For non-tile applications, to mechanically attached anchor sheet:

Install ASTM D226, Type II felt in accordance with codified requirements or StormSafe™ Anchor Sheet in accordance with Section 6.6.

Install Liberty™ SBS Self-Adhering Base/Ply Sheet over the mechanically attached anchor sheet as noted above.

6.7 StormGuard® Film Surfaced Leak Barrier:

6.7.1 Install StormGuard® Film Surfaced Leak Barrier in compliance with manufacturer's published installation instructions and the requirements for ASTM D1970 underlayments in FBC Sections 1507 for the type of prepared roof covering to be installed.

6.7.2 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.

6.7.3 For non-tile applications, direct to deck:

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.

6.7.4 For non-tile applications, to mechanically attached anchor sheet:

Install ASTM D226, Type II felt in accordance with codified requirements or StormSafe™ Anchor Sheet in accordance with Section 6.6.

Install StormGuard® Film Surfaced Leak Barrier over the mechanically attached anchor sheet as noted above.

6.8 UnderRoof™ 2 Polyester-Surfaced Leak Barrier:

6.8.1 Install UnderRoof™ 2 Polyester-Surfaced Leak Barrier in compliance with manufacturer's published installation instructions and the requirements for ASTM D1970 underlayments in FBC Sections 1507 for the type of prepared roof covering to be installed.

6.8.2 The minimum and maximum roof slopes are 2:12 and 12:12, respectively. Back-nailing is required when slope is 4:12 or greater. Back-nailing shall consist of minimum 1-inch square or round cap nails spaced 12" o.c. within 4-inch side laps.

6.8.3 For tile roof installations:

Reference is made to FRSA/TRI April 2012 (04-12) Installation Manual and Table 1 herein, using the instructions noted herein as a guideline. Tile shall be loaded and staged in a manner that prevents tile slippage and/or damage to the underlayment.

6.8.4 For non-tile applications, direct to deck:

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 4-inch side-laps and minimum 6-inch end-laps. Ensure all end laps are staggered at least 3-feet apart. End laps shall be sealed with a 1/16th to 1/8th inch thick trowel application of Matrix™ 201 Premium SBS Flashing Cement.

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

- 6.8.5 **For non-tile applications, to mechanically attached anchor sheet:**
Install ASTM D226, Type II felt in accordance with codified requirements or StormSafe™ Anchor Sheet in accordance with Section 6.6.
Install UnderRoof™ 2 Polyester-Surfaced Leak Barrier over the mechanically attached anchor sheet as noted above.
- 6.9 **UnderRoof™ HT High Temperature Leak Barrier:**
- 6.9.1 Install UnderRoof™ HT High Temperature Leak Barrier in compliance with manufacturer's published installation instructions and the requirements for ASTM D1970 underlayments in FBC Sections 1507 for the type of prepared roof covering to be installed.
- 6.9.2 The minimum and maximum roof slopes are 1:12 and 12:12, respectively. Back-nailing is required when slope is 4:12 or greater. Back-nailing shall consist of minimum 1-inch square or round cap nails spaced 12" o.c. within 4-inch side laps.
- 6.9.3 **For non-tile applications, direct to deck:**
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 TopCoat® FlexSeal™ Caulk Grade over drip edge.
Continue upslope in a similar manner, maintaining minimum 4-inch side-laps and minimum 6-inch end-laps. Ensure all end laps are staggered at least 3-feet apart.
Use a hand roller to firmly bond side and end laps.
- 6.9.4 **For non-tile applications, to mechanically attached anchor sheet:**
Install ASTM D226, Type II felt in accordance with codified requirements or StormSafe™ Anchor Sheet in accordance with Section 6.7.
Install UnderRoof™ HT High Temperature Leak Barrier over the mechanically attached anchor sheet as noted above.
- 6.10 **WeatherWatch® Mineral Surfaced Leak Barrier or WeatherWatch® XT Mat Surfaced Leak Barrier:**
- 6.10.1 Install WeatherWatch® Mineral Surfaced Leak Barrier or WeatherWatch® XT Mat Surfaced Leak Barrier in compliance with manufacturer's published installation instructions and the requirements for ASTM D1970 underlayments in FBC Sections 1507 for the type of prepared roof covering to be installed.
- 6.10.2 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.
- 6.10.3 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.
- 6.10.4 **For non-tile applications, direct to deck:**
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.
- 6.10.5 **For non-tile applications, to mechanically attached anchor sheet:**
Install ASTM D226, Type II felt in accordance with codified requirements or StormSafe™ Anchor Sheet in accordance with Section 6.6.
Install WeatherWatch® Mineral Surfaced Leak Barrier or WeatherWatch® XT Mat Surfaced Leak Barrier over the mechanically attached anchor sheet as noted above.

- 6.11** **Ruberoid® Mop Granule; Ruberoid® Mop Granule FR:**
- 6.11.1 Shall be installed in compliance with current GAF published installation requirements, subject to the limitations herein.
- 6.11.2 Non-Tile Applications:
- 6.11.2.1 Fully adhere in ASTM D312, Type IV hot-asphalt to the substrates noted in Section 5.5. 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. Consult GAF instructions regarding back-nailing requirements.
- 6.11.3 Tile Applications:
- 6.11.3.1 Refer to FRSA/TRI April 2012 (04-12) Installation Manual and Table 1 herein.
- 6.11.3.2 Tile shall be loaded and staged in a manner that prevents tile slippage and/or damage to the underlayment.
- 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 manufacturer or the named QA entity for information on plants covered under Rule 61G20-3 QA requirements.
- 9. QUALITY ASSURANCE ENTITY:**
UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -



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Product Approval
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FL # FL15487-R5
Application Type Revision
Code Version 2014
Application Status Approved



Comments
 Archived

Product Manufacturer GAF
Address/Phone/Email 1 Campus Drive
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Authorized Signature Robert Nieminen
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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 10/22/2017
Validated By John W. Knezevich, PE
 Validation Checklist - Hardcopy Received

Certificate of Independence [FL15487 R5 COI 2015 01 COI Nieminen.pdf](#)

Referenced Standard and Year (of Standard)

Equivalence of Product Standards
Certified By

Sections from the Code
 1507.2.3
 1507.3.3
 1507.5.3
 1507.7.3
 1507.8.3

1507.9.3
1507.9.5

Product Approval Method: Method 2 Option B
Date Submitted: 04/06/2015
Date Validated: 04/10/2015
Date Pending FBC Approval: 04/15/2015
Date Approved: 06/23/2015

Summary of Products

FL #	Model, Number or Name	Description
15487.1	GAF Synthetic Roof Underlayments	Synthetic Roof Underlayments
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to ER Section 5 for Limits of Use.		Installation Instructions FL15487 R5 II 2015 04 FINAL ER GAF Synthetic Underlayments FL15487-R5.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL15487 R5 AE 2015 04 FINAL ER GAF Synthetic Underlayments FL15487-R5.pdf Created by Independent Third Party: Yes

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

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Product Approval Accepts:



Credit Card
Safe





EXTERIOR RESEARCH & DESIGN, LLC.

Certificate of Authorization #9503
353 CHRISTIAN STREET, UNIT #13
OXFORD, CT 06478
PHONE: (203) 262-9245
FAX: (203) 262-9243

EVALUATION REPORT

GAF

1 Campus Drive
Parsippany, NJ 07054

Evaluation Report 01506.03.12-R5

FL15487-R5

Date of Issuance: 04/23/2012

Revision 5: 04/02/2015

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 5th Edition (2014) Florida Building Code sections noted herein.

DESCRIPTION: GAF Synthetic Roof Underlayments

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

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

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

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

This Evaluation Report consists of pages 1 through 5.

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 04/02/2015. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client

CERTIFICATION OF INDEPENDENCE:

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

ROOFING COMPONENT EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Underlayment

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

2. STANDARDS:

<u>Section</u>	<u>Property</u>	<u>Standard</u>	<u>Year</u>
1507.2.3, 1507.5.3, 1507.7.3, T1507.8, 1507.8.3, 1507.9.3, 1507.9.5	Unrolling, Breaking Strength, Pliability, Loss on Heating	ASTM D226	2006
1507.2.3, 1507.5.3, 1507.7.3, 1507.8.3, 1507.9.3	Unrolling, Tear Strength, Pliability, Loss on Heating, Liquid Water Transmission, Breaking Strength, Dimensional Stability	ASTM D4869	2005
1507.3.3	Installation Practice	FRSA/TRI April 2012 (04-12)	2012
TAS 110	Accelerated Weathering	ASTM D4798	2001

3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
ERD (TST 6049)	Physical Properties	R3360.02.07-2-R1	03/13/2007
ERD (TST 6049)	Physical Properties	G12110.12.08	12/02/2008
PRI (TST 5878)	Physical properties	BRY-003-02-01	03/19/2002
PRI (TST 5878)	Physical properties	GAF-224-02-01	07/27/2009
PRI (TST 5878)	Physical properties	GAF-349-02-01	07/03/2012
ITS (TST 1509)	Physical properties	100258583COQ-010A	01/11/2011
Miami-Dade (CER 1592)	HVHZ compliance	13-1104.11	03/06/2014
Miami-Dade (CER 1592)	HVHZ compliance	14-1022.26	02/05/2015
ICC-ES (EVL2396)	IBC/IRC compliance	ESR-2053	04/01/2014
ICC-ES (EVL2396)	IBC/IRC compliance	ESR-2808	07/01/2013
ICC-ES (EVL2396)	IBC/IRC compliance	ESR-3283	06/01/2013
ICC-ES (EVL2396)	IBC/IRC compliance	ESR-3286	02/01/2015
UL, LLC (QUA 9625)	Quality Control	R10689; Charleston, SC	02/11/2015
UL, LLC (QUA 9625)	Quality Control	R10689; North Bay, ON	10/22/2014
UL, LLC (QUA 9625)	Quality Control	R10689; Hickory, NC	10/28/2014
UL, LLC (QUA 9625)	Quality Control	R10689; Stockton, CA	11/12/2014
UL, LLC (QUA 9625)	Quality Control	R10689; McGregor, TX	02/03/2015
UL, LLC (QUA 9625)	Quality Control	R10689; Pryor, OK	02/05/2015
UL, LLC (QUA 9625)	Quality Control	R10689; Mission, BC	11/05/2014

4. PRODUCT DESCRIPTION:

- 4.1 **Deck-Armor™ Premium Breathable Roof Deck Protection** is a non-woven, spun-bonded polypropylene laminated polyethylene scrim sheet roof underlayment.
- 4.2 **RoofPro™ SBS-Modified All-Purpose Underlayment** is a fiberglass-reinforced, SBS modified bitumen roof underlayment.
- 4.3 **Shingle-Mate® Roof Deck Protection** is a fiberglass reinforced, asphaltic roof underlayment.
- 4.4 **StormSafe™ Anchor Sheet** is a polypropylene woven fabric which serves as an anchor sheet in two-ply roof underlayment systems.
- 4.5 **Tiger Paw™ Roof Deck Protection** is a non-woven, polypropylene reinforced, polymer coated roof underlayment.
- 4.6 **VersaShield® Fire-Resistant Roof Deck Protection** is a non-asphaltic, fiberglass-based roof underlayment and/or fire barrier.

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in the HVHZ.

- 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 Synthetic 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 AHJ for approval based on this evaluation combined with supporting data for the prepared roof covering.
- 5.5 Allowable roof covers applied atop GAF Synthetic Roof Underlayments are follows:

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 Mfg	Contact Mfg	Contact Mfg
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 Mfg.	Contact Mfg.	Contact Mfg.
VersaShield® Fire-Resistant Roof Deck Protection	Yes	No	No	Yes	Yes	Yes

- 5.6 Exposure Limitations:
- 5.6.1 Deck-Armor™ Premium Breathable Roof Deck Protection; RoofPro™ SBS-Modified All-Purpose Underlayment; Shingle-Mate® Roof Deck Protection; StormSafe™ Anchor Sheet; Tiger Paw™ Roof Deck Protection shall not be left exposed for longer than 30-days after installation.
- 5.6.2 VersaShield® Fire-Resistant Roof Deck Protection shall not be left exposed for longer than 180-days after installation.

6. INSTALLATION:

- 6.1 GAF Synthetic 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.
- 6.3 **Deck-Armor™ Premium Breathable Roof Deck Protection:**
- 6.3.1 Install Deck-Armor™ Premium Breathable Roof Deck Protection in compliance with manufacturer’s published installation instructions and the requirements for ASTM D226, Type I and II underlayments in FBC Sections 1507 for the type of prepared roof covering to be installed.
- 6.3.2 Fasteners shall be 1-inch diameter plastic-capped corrosion resistant nails or 1-inch diameter plastic-capped, corrosion resistant staples.
- 6.3.3 **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; UnderRoof™ HT High Temperature Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier or WeatherWatch® XT Mat 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.
- 6.3.4 **For non-tile roof installations:**
- 6.3.4.1 Standard Installation with Single Layer; roof slope $\geq 4:12$
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.

- 6.3.4.2 **Standard Installation with Double Layer; $2:12 \leq$ 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, with minimum 28.5-inch side-laps 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.
- 6.4 Tiger Paw™ Roof Deck Protection:**
- 6.4.1 Install Tiger Paw™ Roof Deck Protection in compliance with manufacturer's published installation instructions and the requirements for ASTM D226, Type I and II underlayments in FBC Sections 1507 for the type of prepared roof covering to be installed.
- 6.4.2 Fasteners shall be 1-inch diameter plastic-capped corrosion resistant nails or 1-inch diameter plastic-capped, corrosion resistant staples.
- 6.4.3 **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; UnderRoof™ HT High Temperature Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier or WeatherWatch® XT Mat 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.
- 6.4.4 **For non-tile roof installations:**
- 6.4.4.1 **Standard Installation with Single Layer; roof slope $\geq 4:12$**
 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.
- 6.4.4.2 **Standard Installation with Double Layer; $2:12 \leq$ 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, with minimum 22.5-inch side-laps 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.
- 6.5 StormSafe™ Anchor Sheet:**
- 6.5.1 StormSafe™ Anchor Sheet is limited to use as a mechanically attached base layer in 2-ply underlayment systems.
- 6.5.2 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.
- 6.5.3 **For tile roof installations:**
 Installation is governed by the FRSA/TRI April 2012 (04-12) Installation Manual, 5th Edition (Revised). Use is limited to the mechanically attached base sheet in the two-ply system beneath UnderRoof™ 2 Polyester-Surfaced Leak Barrier. The attachment requirements for StormSafe™ Anchor Sheet shall be adjusted from those in Appendix A, Table 1 of FRSA/TRI April 2012 (04-12), 5th Edition (Revised) to be proportionate to the width of the StormSafe™ Anchor Sheet product.
- 6.5.4 **For 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; UnderRoof™ 2 Polyester-Surfaced Leak Barrier; UnderRoof™ HT High Temperature Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier or WeatherWatch® XT Mat Surfaced Leak Barrier over the StormSafe™ Anchor Sheet.

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

6.6.1 Install RoofPro™ and Shingle-Mate® in compliance with manufacturer's published installation instructions and the requirements for ASTM D226, Type I and II underlayments in FBC Sections 1507 for the type of prepared roof covering to be installed. A double layer is required for $2:12 \leq$ roof slope $< 4:12$. No hammer tacks or staples are permitted.

6.6.2 **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; UnderRoof™ 2 Polyester-Surfaced Leak Barrier; UnderRoof™ HT High Temperature Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier or WeatherWatch® XT Mat 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.

6.7 VersaShield® Fire-Resistant Roof Deck Protection:

6.7.1 Install VersaShield® Fire-Resistant Roof Deck Protection in compliance with manufacturer's published installation instructions and the requirements for ASTM D226, Type I and II or ASTM D4869 underlayments in FBC Sections 1507 for the type of prepared roof covering to be installed. A double layer is required for $2:12 \leq$ roof slope $< 4:12$. No hammer tacks or staples are permitted.

6.7.2 **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; UnderRoof™ 2 Polyester-Surfaced Leak Barrier; UnderRoof™ HT High Temperature Leak Barrier; WeatherWatch® Mineral Surfaced Leak Barrier or WeatherWatch® XT Mat 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.

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 manufacturer or the named QA entity for information on plants covered under Rule 61G20-3 QA requirements.

9. QUALITY ASSURANCE ENTITY:

UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/29/2017

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 an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Frank H. Furman, Inc. 1314 East Atlantic Blvd. P. O. Box 1927 Pompano Beach FL 33061	CONTACT NAME: Griseldys Acosta PHONE (A/C, No., Ext.): (954) 943-5050 FAX (A/C, No.): (954) 942-6310 E-MAIL ADDRESS: gris@furmaninsurance.com														
INSURED Total Roof Services Corp 2014 Edgewater Drive Suite 302 Orlando FL 32804	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Watford Specialty Insurance Company</td> <td>15824</td> </tr> <tr> <td>INSURER B: Ohio Security Insurance Co</td> <td>24082</td> </tr> <tr> <td>INSURER C: Commerce and Industry Ins</td> <td>19410</td> </tr> <tr> <td>INSURER D: Zurich Ins/US Assure</td> <td>17965</td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Watford Specialty Insurance Company	15824	INSURER B: Ohio Security Insurance Co	24082	INSURER C: Commerce and Industry Ins	19410	INSURER D: Zurich Ins/US Assure	17965	INSURER E:		INSURER F:	
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COVERAGES **CERTIFICATE NUMBER:** 17-18 MASTER CERT **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 SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER		BRCGL0007900	3/16/2017	3/16/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/PROP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		BAS1755608308	6/5/2016	6/5/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist combined \$ 1,000,000
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE		EBU027575203	3/16/2017	3/16/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) if yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> Y <input checked="" type="checkbox"/> N/A				PER STATUTE OTH-ER EL EACH ACCIDENT \$ EL DISEASE - EA EMPLOYEE \$ EL DISEASE - POLICY LIMIT \$
D	INLAND MARINE		EC06682860	5/31/2016	5/31/2017	LEASED/RENTED \$100,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 REF: CCC1330329

CERTIFICATE HOLDER City of Belle Isle 1600 Nela Avenue Belle Isle, FL 32809	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Dirk DeJong/GA
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ACORD 25 (2014/01)
 INS025 (201401)

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/29/2017

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 an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER FRSA Self Insurers Fund, Inc. 4099 Metric Drive Winter Park, FL 32792	CONTACT NAME: Debra Guidry, CPCU PHONE (A/C, No, Ext): (800) 767-3772 E-MAIL ADDRESS: debra@frsasif.com	FAX (A/C, No): (407) 671-2520
	INSURER(S) AFFORDING COVERAGE	
INSURED Total Roof Services Corp. 2014 Edgewater Drive Orlando, FL 32804	INSURER A: FRSA Self Insurers Fund / Evanston Insurance Co.	NAIC # 35378
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:		N/A			EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COM/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		N/A			COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$		N/A			EACH OCCURRENCE \$ AGGREGATE \$ \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) if yes, describe under DESCRIPTION OF OPERATIONS below	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <input type="checkbox"/> N/A	870-040061 / 3EE6142	01/01/2017	01/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

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

REMARKS: Non-cancelable, without 30 days prior written notice, except for non-payment of premium which will be a 10 day written notice.

REF: CCC1330329

CERTIFICATE HOLDER City of Belle Isle 1600 Nela Avenue Belle Isle, FL 32809	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Debra Guidry CPCU Underwriting Manager
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**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

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

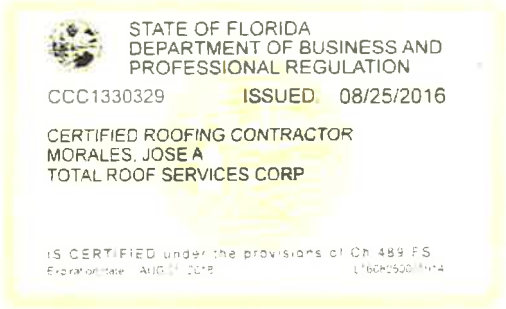
(850) 487-1395

MORALES JOSE A
TOTAL ROOF SERVICES CORP
1820 NORTH RIO GRANDE
ORLANDO FL 32804

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbecue restaurants, and they keep Florida's economy strong.

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Our mission at the Department is: License Efficiently. Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

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

LICENSE NUMBER	
CCC1330329	

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



MORALES JOSE A
TOTAL ROOF SERVICES CORP
1820 NORTH RIO GRANDE AVENUE
ORLANDO FL 32804



ISSUED 08/25/2016

DISPLAY AS REQUIRED BY LAW

SEQ # L1608250001914



CITY OF ORLANDO

ECONOMIC DEVELOPMENT • PERMITTING

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

Phone: 407.246.2204 Fax: 407.246.3420

PROMPT: Interactive Voice Response System: 407.246.4444
Visit our website: www.CityofOrlando.net/permits

CITY OF ORLANDO

ECONOMIC DEVELOPMENT
PERMITTING SERVICES

LOCAL BUSINESS TAX RECEIPT

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

2016-2017



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

Issued Date: 10/01/2016
Expiration Date: 09/30/2017

Business Name
TOTAL ROOF SERVICES CORP
1820 N RIO GRANDE AVE
ORLANDO, FL 32904

Business Type(s):
CONTRA 1524 CONTRACTOR DBPR

Case Number: BUS-0041296

Business Owner
TOTAL ROOF SERVICES CORP
ERIC JACKSON

Business Location:
1920 N Rio Grande Av

Fees:
Administration Fee 20.00
2017 Business Tax 307.19
Total Paid \$327.19

