



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

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.

Scope of Work: ROOF: Re-Roof FL 5293-R11

Comments: None

Project Information
 Address: 5109 Monet Ave Belle Isle, FL 32812
 Parcel ID: 17-23-30-4380-05-160
 Property Owner: Lourash, Vicki
 Phone Number: None

 Company Name: Advantage Roofing, Inc.
 Contractor Name: Ringle, Thomas Harvey
 License Number: CCC052477
 Address: 6903 Partridge Lane Orlando, FL 32807
 Phone Number: 407-678-9721

Permit Number: 2014-01-045

Date of Application: 01/29/2014

Date Permit Issued: 01/30/2014

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.

BUILDING FEATURES

IMPACT FEES

School \$
 Traffic \$

ZONING FEES

Zoning Fee \$30.00

UNIVERSAL ENG - BUILDING FEES

Cert of Occ \$
 Demo \$
 Building \$
 Fence \$
 Driveway \$
 Shed \$
 Window(s) \$
 Door(s) \$
 PrePower \$
 Electrical \$
 Temp Pole \$
 Plumbing \$
 Mechanical \$
 Gas \$
 Roofing \$85.00
 Boat Dock \$
 Screen Encl \$
 Swimming Pool \$
 Sign \$

SURCHARGE FEES

Surcharge Fee \$2.00
 Surcharge Fee \$2.00

TOTAL FEES \$119.00

Date Paid 1-30-14

CC or Check # via 8902

Amount Paid 119.00

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).

BUILDING INSPECTOR USE ONLY

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

BUILDING

1st _____ (Footing/Foundation)

Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? _____

2nd _____ (Slab)

3rd _____ (Lintel)(Wall Reinforcing on Masonry Building)

4th _____ (Exterior Framing)(Roof/Wall Sheathing)

5th _____ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed)

6th _____ (Insulation to be Made After Roof Installed)

7th _____ (Drywall)

8th _____ (Sidewalk/Driveway)

9th _____ (Other)

10th _____ (Final - After MEP and Other Applicable Finals)

ROOFING

1st ROOFING Deck Nailing/Dry-in/Flashing _____

2nd ROOFING Covering In-Progress _____

3rd ROOFING Covering Final _____

PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)

1st _____ (Underground) 2nd _____ (Sewer)

3rd _____ (Rough-In/Tub Set) 4th _____ (Final)

CHECK APPROPRIATE BOX

GAS ___ Natural ___ LP MECHANICAL ELECTRICAL LOW VOLTAGE

1st _____ (Rough-In) 2nd _____ (Final)

Inspection requests are to be emailed to BiDscheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. Next-Day Inspection requests must be made by 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.

For a copy of your permit, or to check inspection results, please visit <https://universalengineering.sharefile.com/ff094edc4-832d-44bd-9809-ect32f9e2e63>

login ID = cobi@universalengineering.com

password = universai13

PROJECT NUMBER 0115, 1400062, 0000

TASK NUMBER 01

CITY OF BELLE ISLE
Permit Application Review Sheet

Permit Number	<u>2014-01-045</u>
Property Owner	<u>Louvash, Vicki e Scabs, Martha</u>
Address	<u>5109 Magnet Ave</u>
Nature of Improvement	<u>Re-Roof</u>
Received Application	<u>1-29-14</u>
Sent for Stormwater Review	<u>N/A</u>
Stormwater Approved	
Sent for Zoning Review	<u>N/A</u>
Zoning Approved	
Applied for Variance	
Variance Approved	
Sent to BO for Review	
Building Official Approved	<u>1/30/2014</u>
Comments	
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	



City of Belle Isle

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

APPLICATION FOR ROOFING PERMIT

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

DATE OF APPLICATION: 1-20-14 ROOF PERMIT NUMBER 2014-01-045
PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:

Project Address 5109 Monet Ave, Belle Isle, FL 32809 32812

Property Owner Vickie Louwash Phone _____

Property Owner's Mailing Address Same City _____

State _____ Zip Code _____ Parcel Id Number: _____
REQUIRED! To obtain this information, please visit <http://www.ocpafl.org/Searches/ParcelSearch.aspx>

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

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

Please indicate the nature of work by completing the information below:

Roof Square Footage: 34 Number of Stories: _____ Job Valuation: \$ 12,780.00

Type: Asphalt Shingles Metal Modified Bitumen Other: _____

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances.

LICENSE HOLDER SIGNATURE Thomas Ringler LICENSE # CECOS2477
 LICENSE HOLDER NAME Thomas Ringler COMPANY NAME Advantage Roofing Inc
 Street Address 6903 Partridge Lane
 City Orlando State FL Zip Code 32807 Phone Number 407678-9721
 Email Address AdvantageRoofing@yahoo.com

Building Official: M. Tully Buiss7 Date 1/30/2014

Zoning Fee	\$	<u>30.00</u>
Permit Fee	\$	<u>85.00</u>
3% Florida Surcharge	\$	<u>4.00</u>
Total Permit Fee	\$	<u>119.00</u>

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

Building Permit Number _____





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: 1/14/14 Permit #: _____

I hereby name and appoint Robert Walker of _____

(print name)

Advantage Roofing

(company name)

to be my lawful attorney-in-fact to act for _____ permit

(type of permit)

me and apply to the City of Belle Isle Building Department for a _____

5109 Monet Ave

(street address)

Belle Isle, FL 32809 32812 and

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

Certified Contractor's Printed Name: Thomas Ringler

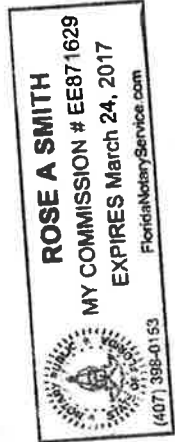
License Number: CC052477

Certified Contractor's Signature: Thomas Ringler

.....

The foregoing instrument was acknowledged before me this 20 days of Jan of 2014
by Thomas Ringler who is personally known to me or who produced _____ as identification and who did not take an oath.

State of Florida
County of Orange
Rose A Smith
Notary Public, Orange County, Florida



(seal)

Permit Number: 17-2330-4380-05-160
Folio/Parcel Identification Number: 17-2330-4380-05-160
Prepared by: Rose Smith
Return to: Contractor



NOTICE OF COMMENCEMENT

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

1. **Description of property** (legal description of the property, and street address if available)
Lake Conway Estates Section two Replade

2. **General description of improvement**
Roof

3. **Owner information or Lessee information if the Lessee contracted for the improvement**
Name Vicki Lowash
Address 6109 Wined Ave Belle Isle, FL 32812-1050
Interest in Property _____

Name and address of fee simple titleholder (if different from Owner listed above)
Name _____
Address _____

4. **Contractor**
Name Advantage Roofing Inc Telephone Number _____
Address 6903 Verbridge Lane Orlando, FL 32807

5. **Surety** (if applicable, a copy of the payment bond is attached)
Name _____ Telephone Number _____
Address _____ Amount of Bond \$ _____

6. **Lender**
Name _____ Telephone Number _____
Address _____

7. **Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by §713.13(1)(a)7, Florida Statutes.**
Name _____ Telephone Number _____
Address _____

8. **In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in §713.13(1)(b), Florida Statutes.**
Name _____ Telephone Number _____
Address _____

9. **Expiration date of notice of commencement** (the expiration date may not be before the completion of construction and final payment to the contractor, but will be 1 year from the date of recording unless a different date is specified) _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the facts stated in it are true to the best of my knowledge and belief.

Vicki Lowash

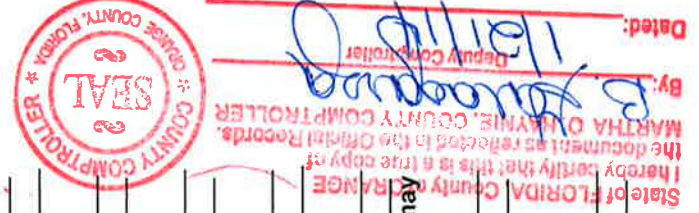
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager _____

The foregoing instrument was acknowledged before me this 20 day of July by Vicki Lowash for _____

as _____ for _____
Type of authority, e.g., officer, trustee, attorney in fact _____

Signature of Notary Public - State of Florida _____

Personally Known _____ OR Produced ID _____
Type of ID Produced D.C.



By: B. Thompson
Deputy Comptroller
MARTHA O'HAYNIE, COUNTY COMPTROLLER
State of Florida, Orange County
I hereby certify that this is a true copy of the document reflected in the Official Records.
Dated: _____





City of Belle Isle
 Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
 Tel 407-581-8161 * Fax 407-581-0313 * www.universalsengineering.com

Product Approval Form

DATE: 1.20.14 PERMIT # _____
 PROJECT ADDRESS 5109 Monet Ave, Belle Isle, FL 32809 32812

As required by Florida Statute 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							
Swinging				Sliding	WALL PANELS		
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
WINDOWS							
Single/DbI Hung				Asphalt Shingles	ROOFING PRODUCTS		
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof	GAF	Everguard FL5293, All	
Mullion				Other		TPS	
Skylights							
Other							
STRUCTURAL COMPONENTS							
Wood Connectors				OTHER			
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 Thomas R. Ragle

Date 1/20/14



FLORIDA ROOFING, SHEET METAL & AIR CONDITIONING CONTRACTORS ASSOCIATION, INC.

SELF INSURERS FUND

1-800-767-3772 • FAX (407) 671-2520

CERTIFICATE OF INSURANCE

ISSUED TO:

City of Belle Isle
3532 Maggie Blvd.
Orlando, FL 32811

COPY PROVIDED TO:

Advantage Roofing, Inc.
6903 Partridge Lane
Orlando, FL 32807

Attention:

Advantage Roofing, Inc.
6903 Partridge Lane
Orlando, FL 32807

This is to Certify that:

being subject to the provisions of the Florida Workers' Compensation Act, has secured the payment of compensation by insuring their risk with the FLORIDA ROOFING, SHEET METAL & AIR CONDITIONING CONTRACTORS ASSOCIATION SELF INSURERS FUND, P.O. Box 4907, Winter Park, FL 32793.

COVERAGE NUMBER: 870-033680

LIMITS

EFFECTIVE DATE: 1/1/2014

Workers' Compensation: Statutory - State of Florida

EXPIRATION DATE: 1/1/2015

Employers' Liability: \$100,000.00 Each Accident

Disease, Each Employee

\$100,000.00 Disease, Policy Limit

\$500,000.00 Disease, Policy Limit

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

This certificate is issued as a matter of information only, is not a policy and of itself does not afford any insurance. Nothing contained in this certificate shall be construed as extending coverage not afforded by the policy(ies) shown above or as affording insurance to any insured not named above. This provides coverage for Florida policyholders and Florida domiciled employees only.

By:

Brett Stiegel, Administrator
FRSA-SIF

By:

Debra Guidry, CPCU, Underwriting Manager
FRSA-SIF

THIS DOCUMENT HAS A COLORED BACKGROUND - MICROPRINTING - LINEMARK™ PATENTED PAPER

AC# 6278256

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L12081701424

DATE	BATCH NUMBER	LICENSE NBR
08/17/2012	118206375	CCC052477

The ROOFING CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2014

RINGLER, THOMAS HARVEY
ADVANTAGE ROOFING INC
6903 PARTRIDGE LANE
ORLANDO FL 32807

KEN LAWSON
SECRETARY

RICK SCOTT
GOVERNOR

DISPLAY AS REQUIRED BY LAW

Orange County, Florida

Scott Randolph, Tax Collector

Local Business Tax Receipt

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

1806-0523976
\$30.00 2 EMPLOYEE

EXPIRES 9/30/2014
EMPLOYEE 5000 BUSINESS OFFICE

ORIGINAL
2013
1806 CERT ROOFING CONTRACT \$30.00 1



RINGLER THOMAS HARVEY

ADVANTAGE ROOFING INC
6903 PARTRIDGE LN
ORLANDO FL 32807-5313

TOTAL TAX \$60.00
PREVIOUSLY PAID \$60.00
TOTAL DUE \$0.00

6903 PARTRIDGE LN (MOBILE)
U - ORLANDO, 32807

PAID: \$60.00 098-00602669 9/9/2013

This receipt is official when validated by the Tax Collector.



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FL # **FL5293-R11**
 Application Type **Revision**
 Code Version **2010**
 Application Status **Approved**
 Comments
 Archived

Product Manufacturer **GAF**
 Address/Phone/Email **1361 Alps Road
 Wayne, NJ 07470
 (973) 872-4421
 lindareith@trinityerd.com**

Authorized Signature **Beth McSorley
 lindareith@trinityerd.com**

Technical Representative Address/Phone/Email **Beth McSorley
 1361 Alps Road - Bldg 11-1
 Wayne, NJ 07470
 (973) 872-4421
 BMcSorley@gaf.com**

Quality Assurance Representative Address/Phone/Email

Category **Roofing**
 Subcategory **Single Ply Roof Systems**

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 **05/08/2014**
 Validated By **John W. Knezevich, PE**

✓ Validation Checklist - Hardcopy Received

[FL5293_R11_COI_Trinity_ERD_CI - Nieminen - 2013.pdf](#)

Certificate of Independence

Standard	Year
ASTM D6878	2006
FM 4470	1992
FM 4474	2004
TAS 114	2011

Equivalence of Product Standards



Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

10/24/2013

Date Validated

10/25/2013

Date Pending FBC Approval

10/28/2013

Date Approved

12/13/2013

Summary of Products

FL #	Model, Number or Name	Description
5293.1	EverGuard TPO Single-Ply Roof Membrane Systems	Single-ply, thermoplastic polyolefin roofing systems
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-502.5 Other: 1.) The design pressure noted in this application relates to one specific assembly in the ER Appendix. Refer to the ER Appendix for all systems and associated max. design pressures. 2.) Refer to ER Section 5 for Limits of Use</p>		
<p>Installation Instructions FL5293_R11_II_2013_10_FINAL_A1_ER_GAF_EG_TPO_FL5293-R11.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL5293_R11_AE_2013_10_FINAL_ER_GAF_EG_TPO_FL5293-R11.pdf Created by Independent Third Party: Yes</p>		

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[Next](#)

Contact Us :: 1940 North Monroe Street, 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, licenses 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:





License efficiently. Regulate fairly.

OFFICE OF THE SECRETARY

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

FL # FL5293-R11
 Application Type Revision
 Code Version 2010
 Application Status Approved
 Comments
 Archived

Product Manufacturer
 Address/Phone/Email
 GAF
 1361 Alps Road
 Wayne, NJ 07470
 (973) 872-4421
 lindareith@trinityerd.com

Authorized Signature
 Beth McSorley
 lindareith@trinityerd.com

Technical Representative
 Address/Phone/Email
 Beth McSorley
 1361 Alps Road - Bldg 11-1
 Wayne, NJ 07470
 (973) 872-4421
 BMcSorley@gaf.com

Quality Assurance Representative
 Address/Phone/Email

Category Roofing
 Subcategory Single Ply Roof Systems

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 05/08/2014
 Validated By John W. Knezevich, PE

Validation Checklist - Hardcopy Received

Certificate of Independence [FL5293_R11_COI_Trinity_ERD_CI - Nieminen - 2013.pdf](#)

Referenced Standard and Year (of Standard)

Standard	Year
ASTM D6878	2006
FM 4470	1992
FM 4474	2004
TAS 114	2011

Equivalence of Product Standards

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Sections from the Code

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12/13/2013

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<p>Installation Instructions FL5293 R11 II 2013 10 FINAL A1 ER GAF EG TPO_FL5293-R11.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL5293 R11 AE 2013 10 FINAL ER GAF EG TPO_FL5293-R11.pdf Created by Independent Third Party: Yes</p>		

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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:





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

1361 Alps Road
Wayne, NJ 07470

Evaluation Report **01506.09.05-R12**
FL5293-R11
Date of Issuance: **11/09/2005**
Revision 12: **10/23/2013**

SCOPE:

This Evaluation Report is issued under Rule 9N-3 and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been designed to comply with the 2010 Florida Building Code.

DESCRIPTION: EverGuard® TPO Single-Ply Roof Membrane Systems

LABELING: Each unit shall bear labeling in accordance with the requirements of 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, plus a 75-page Appendix.

Prepared by:

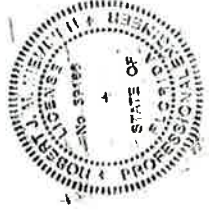
Robert J.M. Nieminen, P.E.
Florida Registration No. 59166, Florida DCA ANE1983

CERTIFICATION OF INDEPENDENCE:

1. Exterior Research & Design, LLC. d/b/a 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. Exterior Research & Design, LLC. d/b/a 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.



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 10/23/2013. 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.





ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Single Ply Roof Systems

Compliance Statement: EverGuard® TPO Single-Ply Roof Membrane Systems, as produced by GAF, have demonstrated compliance with the following sections of the Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1504.3.1	Wind	FM 4474	2004
1504.7	Impact	FM 4470	1992
1507.13.2	Physical Properties	ASTM D6878	2006
1523.6.2	Wind	TAS 114	2011

3. REFERENCES:

Entity	Exam	Reference	Date	Entity	Exam	Reference	Date
ACRC (TST4671)	TAS 114	06-035	10/18/2006	FM App (TST1867)	FM 4470	797-02093-267	04/26/2006
ACRC (TST4671)	TAS 114	07-005	01/17/2007	FM App (TST1867)	FM 4470	3023458	07/18/2006
ACRC (TST4671)	TAS 114	07-024	03/01/2007	FM App (TST1867)	FM 4470	3028039	09/11/2006
ACRC (TST4671)	TAS 114	07-016	04/19/2007	FM App (TST1867)	FM 4470	3027159	10/03/2006
ACRC (TST4671)	TAS 114	07-017	04/19/2007	FM App (TST1867)	FM 4470	3026149	02/05/2007
ACRC (TST4671)	TAS 114	07-025	05/02/2007	FM App (TST1867)	FM 4470	3026964	07/25/2007
ACRC (TST4671)	TAS 114	07-026	05/03/2007	FM App (TST1867)	FM 4470	3028657	11/02/2007
ACRC (TST4671)	TAS 114	07-027	05/04/2007	FM App (TST1867)	FM 4470	3030199	11/05/2007
ACRC (TST4671)	TAS 114	07-042	08/31/2007	FM App (TST1867)	FM 4470	3030813	11/30/2007
ACRC (TST4671)	TAS 114	07-043	09/05/2007	FM App (TST1867)	FM 4470	3031262	11/05/2007
ACRC (TST4671)	TAS 114	07-045	09/06/2007	FM App (TST1867)	FM 4470	3030292	02/25/2008
ACRC (TST4671)	TAS 114	07-046	09/06/2007	FM App (TST1867)	FM 4470	3033314	08/26/2008
ACRC (TST4671)	TAS 114	07-048	09/07/2007	FM App (TST1867)	FM 4470	3034749	10/16/2008
ACRC (TST4671)	TAS 114	07-049	09/10/2007	FM App (TST1867)	FM 4470	3032856	11/24/2008
ACRC (TST4671)	TAS 114	07-080	01/03/2008	FM App (TST1867)	FM 4470	3033135	11/24/2008
ACRC (TST4671)	TAS 114	08-022	04/17/2008	FM App (TST1867)	FM 4470	3033862	12/24/2008
ACRC (TST4671)	TAS 114	08-030	04/05/2008	FM App (TST1867)	FM 4470	3033394	02/27/2009
ACRC (TST4671)	TAS 114	08-023	04/17/2008	FM App (TST1867)	FM 4470	3033121	04/13/2009
ACRC (TST4671)	TAS 114	08-033	04/19/2008	FM App (TST1867)	FM 4470	3036614	06/09/2009
ACRC (TST4671)	TAS 114	08-032	04/19/2008	FM App (TST1867)	FM 4470	3034310	06/15/2009
ACRC (TST4671)	TAS 114	11-004	03/21/2011	FM App (TST1867)	FM 4470	3034749	08/10/2009
ACRC (TST4671)	TAS 114	11-011	03/24/2011	FM App (TST1867)	FM 4470	3036614	08/10/2010
ACRC (TST4671)	TAS 114	11-012	04/06/2011	FM App (TST1867)	FM 4470	797-059797-267	09/02/2010
ACRC (TST4671)	TAS 114	11-013	04/06/2011	FM App (TST1867)	FM 4470	3038215	11/11/2010
ACRC (TST4671)	TAS 114	11-019	04/08/2011	FM App (TST1867)	FM 4470	797-06003-267	12/10/2010
ACRC (TST4671)	TAS 114	11-020	04/08/2011	FM App (TST1867)	FM 4470	3038318	02/07/2011
ACRC (TST4671)	TAS 114	11-021	04/11/2011	FM App (TST1867)	FM 4470	797-06178-267	02/23/2011
ACRC (TST4671)	TAS 114	11-040	08/05/2011	FM App (TST1867)	FM 4470	3040234	03/08/2011
ACRC (TST4671)	TAS 114	11-041	08/05/2011	FM App (TST1867)	FM 4470	3040377	03/08/2011
ACRC (TST4671)	TAS 114	11-056	09/30/2011	FM App (TST1867)	FM 4470	3041685	03/24/2011
ACRC (TST4671)	TAS 114	12-008	04/10/2012	FM App (TST1867)	FM 4470	797-06254-267	06/08/2011
ACRC (TST4671)	TAS 114	12-012	04/23/2012	FM App (TST1867)	FM 4470	3041535	06/13/2011
ACRC (TST4671)	TAS 114	12-013	04/23/2012	FM App (TST1867)	FM 4470	797-06537-267	06/13/2011
ACRC (TST4671)	TAS 114	12-014	04/23/2012	FM App (TST1867)	FM 4470	797-06538-267	06/13/2011
ACRC (TST4671)	TAS 114	12-016	04/24/2012	FM App (TST1867)	FM 4470	797-06894-267	11/02/2011
ACRC (TST4671)	TAS 114	12-019	04/25/2012	FM App (TST1867)	FM 4470	3038278	11/18/2011
ACRC (TST4671)	TAS 114	12-024	05/09/2012	FM App (TST1867)	FM 4470	797-07041-267	02/27/2012
ACRC (TST4671)	TAS 114	12-025	05/09/2012	FM App (TST1867)	FM 4470	797-07183-267	03/28/2012
ACRC (TST4671)	TAS 114	12-029	05/23/2012	FM App (TST1867)	FM 4470	3044506	03/13/2012
ACRC (TST4671)	TAS 114	12-030	05/23/2012	FM App (TST1867)	FM 4470	797-07331-267	05/11/2012
ACRC (TST4671)	TAS 114	11-042-R1	01/27/2012	FM App (TST1867)	FM 4470	3044862	05/31/2012
ACRC (TST4671)	TAS 114	12-033	08/10/2012	FM App (TST1867)	FM 4470	797-07455-267	06/21/2012
ACRC (TST4671)	TAS 114	12-036	08/13/2012	FM App (TST1867)	FM 4470	797-07474-267	06/21/2012
ACRC (TST4671)	TAS 114	12-018-R1	01/30/2013	FM App (TST1867)	FM 4470	3045789	08/16/2012
ERD (TST6049)	Physicals	01513.12.07	12/18/2007	FM App (TST1867)	FM 4470	3045863	08/23/2012
F-TEC (TST7393)	TAS 114	08-050183	06/26/2008	FM App (TST1867)	FM 4470	3041749	09/13/2012
F-TEC (TST7393)	TAS 114	08-050184	06/26/2008	FM App (TST1867)	FM 4470	3041749	09/13/2012
F-TEC (TST7393)	TAS 114	08-070133	08/04/2008	FM App (TST1867)	FM 4470	3046328	09/27/2012
F-TEC (TST7393)	TAS 114	08-050185	10/14/2008	FM App (TST1867)	FM 4470	3041769	10/17/2012
F-TEC (TST7393)	TAS 114	08-072805	02/16/2009	FM App (TST1867)	FM 4470	797-07744-267	10/17/2012
FM App (TST1867)	FM 4470	3003617	12/20/1999	FM App (TST1867)	FM 4470	797-07885-267	12/21/2012
FM App (TST1867)	FM 4470	3009026	06/18/2002	FM App (TST1867)	FM 4470	3046054	04/29/2013
FM App (TST1867)	FM 4470	3013861	03/28/2003	FM App (TST1867)	FM 4470	3048122	04/29/2013
FM App (TST1867)	FM 4470	3014692	08/05/2003	FM App (TST1867)	FM 4470	797-08217-267	05/01/2013
FM App (TST1867)	FM 4470	3014955	01/22/2004	FM App (TST1867)	FM 4470	797-08264-267	07/15/2013
FM App (TST1867)	FM 4470	3012721	02/11/2004	FM App (TST1867)	FM 4470	3047237	08/08/2013
FM App (TST1867)	FM 4470	3015029	02/19/2004	FM App (TST1867)	FM 4470	3047636	

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<u>Entity</u>	<u>Exam</u>	<u>Reference</u>	<u>Date</u>
FM App (TST1867)	FM 4470	3020588	03/24/2004
FM App (TST1867)	FM 4470	3019881	03/20/2004
FM App (TST1867)	FM 4470	3016068	04/02/2004
FM App (TST1867)	FM 4470	3013861	05/21/2004
FM App (TST1867)	FM 4470	3105578	05/12/2004
FM App (TST1867)	FM 4470	3014955	01/28/2005
FM App (TST1867)	FM 4470	3022136	03/17/2005
FM App (TST1867)	FM 4470	3020681	09/01/2005
FM App (TST1867)	FM 4470	3024051	03/28/2006

<u>Entity</u>	<u>Exam</u>	<u>Reference</u>	<u>Date</u>
IRT (TST7408)	TAS 114	02-008	01/18/2002
IRT (TST7408)	TAS 114	03-0728	02/17/2004
IRT (TST7408)	TAS 114	04-012	02/18/2004
IRT (TST7408)	TAS 114	04-019	04/26/2004
PR1 (TST5878)	Physicals	GAF-289-02-01	09/07/2011
PR1 (TST5878)	Physicals	GAF-290-02-01	09/21/2011
PR1 (TST5878)	Physicals	GAF-373-02-01	10/15/2012
PR1 (TST5878)	Physicals	GAF-421-02-01	10/22/2013
PR1 (TST5878)	Physicals	GAF-422-02-01	10/22/2013
PR1 (TST5878)	Physicals	GAF-423-02-01	10/22/2013
UL,LLC(QUA9625)	QA	Inspect, R1306	05/08/2013

4. PRODUCT DESCRIPTION:

This Evaluation Report covers EverGuard® TPO Single-Ply Roof Membrane Systems installed in accordance with GAF published installation instructions and the Limitations / Conditions of Use herein.

- **EverGuard® TPO** membranes are nominal 45-mil (1.1 mm), 60-mil (1.52-mm) or 80-mil (2.0 mm) thick, internally reinforced thermoplastic polyolefin roof covers supplied. Side and end laps are sealed using hot air welding. The roof cover is mechanically attached or fully-adhered to Approved substrates.
- **EverGuard® Extreme TPO** membranes are nominal 50-mil (1.27-mm), 60-mil (1.52-mm), 70-mil (1.8) or 80-mil (2.0 mm) thick, internally reinforced thermoplastic polyolefin roof covers supplied. Side and end laps are sealed using hot air welding. The roof cover is mechanically attached or fully-adhered to Approved substrates.
- **EverGuard® Steep Slope TPO** membranes are nominal 45-mil (1.1 mm) or 60-mil (1.52-mm) thick, internally reinforced thermoplastic polyolefin roof covers supplied. Side and end laps are sealed using hot air welding. The roof cover is mechanically attached or fully-adhered to Approved substrates.
- **EverGuard® TPO FB Ultra** membranes are nominal 45-mil (1.1 mm), 60-mil (1.52-mm) or 80-mil (2.0 mm) thick, internally reinforced thermoplastic (TPO) roof covers with a polyester fleece backing. Side and end laps are sealed using hot air welding. The roof cover is mechanically attached or fully-adhered to Approved substrates.
- **EverGuard® Extreme TPO FB Ultra** membranes are nominal 50-mil (1.27-mm), 60-mil (1.52-mm), 70-mil (1.8) or 80-mil (2.0 mm) thick, internally reinforced thermoplastic (TPO) roof covers with a polyester fleece backing. Side and end laps are sealed using hot air welding. The roof cover is mechanically attached or fully-adhered to Approved substrates.
- **EverGuard® Extreme TPO** membranes are nominal 50-mil (1.27-mm), 60-mil (1.52-mm), 70-mil (1.8) or 80-mil (2.0 mm) thick, internally reinforced thermoplastic (TPO) roof covers with a polyester fleece backing. Side and end laps are sealed using hot air welding. The roof cover is mechanically attached or fully-adhered to Approved substrates.
- **EverGuard® Freedom™ TPO** membranes are nominal 45-mil (1.1 mm) or 60-mil (1.52-mm) thick, internally reinforced thermoplastic (TPO) roof covers with a self-adhering backing. Freedom TPO HW laps are sealed using hot air welding. Freedom TPO with Rapid Seam Technology laps are self-adhering. The roof cover is self-adhered to Approved substrates.
- **EverGuard® Extreme Freedom™ TPO HW** membranes are nominal 50-mil (1.27-mm) or 60-mil (1.52-mm) thick, internally reinforced thermoplastic (TPO) roof covers with a self-adhering backing. Laps are sealed using hot air welding. The roof cover is self-adhered to Approved substrates.

5. LIMITATIONS:

- 5.1 This Evaluation Report is not for use in HVHZ.
- 5.2 Refer to a current Roofing Materials Directory for fire ratings of this product.
- 5.3 For steel deck installations, foam plastic insulation shall be separated from the building interior in accordance with FBC 2603.4 unless the exceptions stated in FBC 2603.4.1 or 2603.6 apply.
- 5.4 Unless otherwise noted in Appendix 1, roof decking and its attachment shall be specified and installed to meet project design criteria to the satisfaction of the AHJ.
- 5.5 For recover installations, the existing roof shall be examined in accordance with FBC 1510.

- 5.6 For mechanically attached insulation or membrane or strip-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed the Zone 1 design pressure determined in accordance with FBC Chapter 16. Zones 2 and 3 shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are RAS 117, RAS 137, FM LPDS 1-29 and ANSI/SPRI WD1. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.1.5.1(a) of FM LPDS 1-29 for Zone 2/3 enhancements.
- 5.7 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.
- 5.8 For mechanically attached insulation or membrane over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with TAS 105 or ANSI/SPRI FX-1.
- 5.9 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with ASTM E907, FM LPDS 1-52 or ANSI/SPRI IA-1 shall be conducted on mock-ups of the proposed new roof assembly.
- 5.10 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the AHJ, as documented through field uplift testing in accordance with ASTM E907, FM LPDS 1-52 or ANSI/SPRI IA-1.
- 5.11 Metal edge attachment (except gutters), shall be designed and installed for wind loads in accordance with FBC Chapter 16 and tested for resistance in accordance with ANSI/SPRI ES-1 or RAS 111, except the basic wind speed shall be determined from FBC Figure 1609.
- 5.12 All products in the roof assembly shall have quality assurance audit in accordance with the FBC and F.A.C. Rule 9N-3.

6. INSTALLATION:

- 6.1 EverGuard® TPO Single-Ply Roof Membrane Systems shall be installed in accordance with GAF published installation instructions, subject to the Limitations / Conditions of Use noted herein.
- 6.2 System attachment requirements for wind load resistance are set forth in Appendix 1. "MDP" = 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 1609.1.5 for determination of design wind loads.
- 6.3 For mechanically fastened membrane systems (Type D) over profiled steel deck, membrane shall be installed running perpendicular to steel deck flutes.



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 named QA entity for details on manufacturing facilities covered for QA under F.A.C. Rule 9N-3 requirements.

9. QUALITY ASSURANCE ENTITY:

UL, LLC – QUA9625; (847) 664-3281; k.chancellor@ul.com

- THE 75-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -

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