



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 new for 12' x 35.5' boathouse
Comments: None
Project Information
Address: 6838 Seminole Drive, Belle Isle, FL 32809
Parcel ID: 29-23-30-4389-02-090
Property Owner: Barnes, Dan
Phone Number: 630 675 0356

Company Name: Creative Deck & Dock Inc
Contractor Name: Tegeler, Ron
License Number: CRC057943
Address: 636 Butler Street, Windermere, FL 34786
Phone Number: 407-450-4241 Sheila Cichra Permit Expeditor

Permit Number: 2016-07-019

Date of Application: 07/08/2016
Date Permit Issued: 08/09/2016

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

Traffic \$
 School \$

ZONING FEES

Zoning Fee \$None - new

UNIVERSAL ENG - BUILDING FEES

Boat Dock & \$
 Boat House \$
 Building \$
 Demo \$
 Door(s) \$
 Driveway \$
 Electrical \$
 Fence \$
 Gas \$
 Irrigation \$
 Low Voltage \$
 Mechanical \$
 Plumbing \$
 Pool \$
 Roofing \$52.50
 Screen Encl \$
 Shed \$
 Temp Pole \$
 Window(s) \$

SURCHARGE FEES

Surcharge Fee \$2.00
 Surcharge Fee \$2.00

TOTAL FEES \$56.50

Date Paid 8-11-16

CC or Check # MC 8457

Amount Paid \$56.50

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 OSHA APPROVED ACCESS MUST BE MADE AVAILABLE TO INSPECTOR

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 4pm. 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>

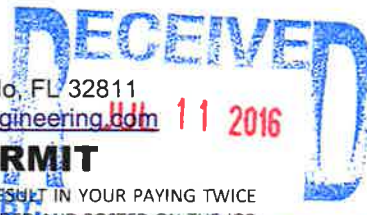
login ID = cobi@universalengineering.com

password = universal13



City of Belle Isle

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



APPLICATION FOR ROOFING PERMIT

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

DATE OF APPLICATION: 07/08/2016

ROOF PERMIT NUMBER 2016-07-019

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

Project Address 6838 Seminole Drive, Belle Isle, FL 32809 ✓ 32812
Property Owner Dan Barnes Phone (630) 675-0356
Property Owner's Mailing Address 1900 Jake Street, Unit 115 City Orlando
State FL Zip Code 32814 Parcel Id Number: 29-23-30-4389-02-090
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: 456 Number of Stories: 1 Job Valuation: \$ 2,250
Type: Asphalt Shingles Metal Modified Bitumen Other: concrete tile

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances. By signing below, I recognize Republic Services is by legal contract the sole authorized provider of garbage, recycling, yard waste, and commercial garbage and construction debris collection and disposal services with the city limits of the City. Contractors, homeowners and commercial businesses may contact Republic Services at 407-293-8000 to setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from Republic Services. The City enforces the contract through its code enforcement office. Failure to comply will result in a stop work order.

LICENSE HOLDER SIGNATURE *Sheila Cichra* LICENSE # CRC057943
LICENSE HOLDER NAME Sheila Cichra for Ron Tegeler COMPANY NAME Creative Deck and Dock, Inc.
Street Address 636 Butler Street
City Windermere State FL Zip Code 34786 Phone Number (407) 450-4241
Email Address sheilacichra@gmail.com

Building Official: *AA Boushlow* ^{*Verenueal*} Date *8-11-16*
Verified Contractor's Licenses & Insurance are on file *[Signature]* Date *8-11-16*

Zoning Fee	\$ <u>none-new</u>
Permit Fee	\$ <u>35.-</u>
Review Fee	\$ <u>17.50</u>
3% Florida Surcharge	\$ <u>4.00</u>
Total Permit Fee	\$ <u>56.50</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.

155 110
2x5

35
10
35.-
17.50
52.50



UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Sciences
Geophysical Services • Materials Testing • Threshold Inspection
Building Code Administration, Compliance Inspection & Plan Review

3532 Maggie Blvd, Orlando, FL 32811 - P: 407.423.0504 - F: 407.423.3106

Work Order No. 70752

Inspection Report

Project Name: 6838 Seminole Drive ~ COBI

Date: 08/09/2016 Any any

Address: 6838 Seminole Drive ~ COBI, Belle Isle, Orange County, FL

Permit No: 2016-07-019

Client: City of Belle Isle

Lot No.:

ProjectNo.: 0115.1600389.0000-0915-01

Contact: Susan Manchester at 407 581 8161

Scope of Inspection: REVIEW app for boat dock roof

Inspection Type:

Disposition of Inspection:

Comments: Assigned to Art Barthlow 08.09.16

I hereby affirm that to the best of my knowledge and belief, the above listed inspection was performed as indicated and the work was reviewed for compliance with the approved plans, and all pertinent sections of the Florida Building Code.

Inspector: Susan Manchester



Product Approval Form

DATE: 07/09/2016

PERMIT # 2016-07-019

PROJECT ADDRESS 6838 Seminole Drive, 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			
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles	Eagle	Ponderosa	FL7473-R6
Fixed				Single Ply Roof			
Mullion				Underlayment	GAF	Stormguard	FL10626-R12
Skylights				Other			
Other							
STRUCTURAL COMPONENTS				OTHER			
Wood Connectors							
Wood Anchors							
Truss Plates							
Insulation Forms							
Lintels							
Other							

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

Applicant Signature *Mit*

Date 07/09/2016

Business & Professional Regulation



- [BCIS Home](#)
- [Log In](#)
- [User Registration](#)
- [Hot Topics](#)
- [Submit Surcharge](#)
- [Stats & Facts](#)
- [Publications](#)
- [FBC Staff](#)
- [BCIS Site Map](#)
- [Links](#)
- [Search](#)



Product Approval
USER: Public User

License efficiently. Regulate fairly.

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

FL OFFICE OF THE
REGISTRAR

FL #	FL7473-R6								
Application Type	Revision								
Code Version	2014								
Application Status	Approved								
Comments									
Archived									
Product Manufacturer	EAGLE ROOFING PRODUCTS FLORIDA LLC								
Address/Phone/Email	1575 East CR 470 Sumterville, FL 33858 (800) 400-3245 annettes@eagleroofting.com								
Authorized Signature	Annette Sindar annettes@eagleroofting.com								
Technical Representative	Greg Peterson								
Address/Phone/Email	1575 East CR 470 Sumpterville, FL 33585 (800) 400-3245 gregp@eagleroofting.com								
Quality Assurance Representative									
Address/Phone/Email									
Category	Roofing								
Subcategory	Roofing Tiles								
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	Architctural Testing, Inc.								
Quality Assurance Contract Expiration Date	12/31/2018								
Validated By	John W. Knezevich, PE Validation Checklist - Hardcopy Received								
Certificate of Independence	FL7473 R6 COI 2015 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 C1492</td> <td>2003</td> </tr> <tr> <td>FRSA/TRI April 2012</td> <td>2012</td> </tr> <tr> <td>SSTD 11</td> <td>1997</td> </tr> </tbody> </table>	Standard	Year	ASTM C1492	2003	FRSA/TRI April 2012	2012	SSTD 11	1997
Standard	Year								
ASTM C1492	2003								
FRSA/TRI April 2012	2012								
SSTD 11	1997								
Equivalence of Product Standards Certified By									
Sections from the Code									

Product Approval Method	Method 1 Option D
Date Submitted	04/24/2015
Date Validated	04/27/2015
Date Pending FBC Approval	05/01/2015
Date Approved	06/23/2015

Summary of Products

FL #	Model, Number or Name	Description
7473.1	Eagle Roof Tiles	Low (flat), medium and high profile concrete roof tiles
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: See Section 5 of Evaluation Report for Limits of Use. Tile roofs are analyzed for wind resistance through overturning moment. Refer to FRSA/TRI 07320 for overturning moment limitations.		Installation Instructions FL7473 R6 II 2015 04 FINAL ER EAGLE FL7473-R6.pdf Verified By: Robert J. M. Nieminen PE - 59166 Created by Independent Third Party: Yes Evaluation Reports FL7473 R6 AE 2015 04 FINAL ER EAGLE FL7473-R6.pdf Created by Independent Third Party: Yes



Contact Us :: 1940 North Monroe Street, Tallahassee FL 32399 Phone: 850-487-1324

The State of Florida is an AA/EEO employer. Copyright 2007-2013 State of Florida. :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

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

Eagle Roofing Products Florida LLC.

1575 East Country Road 470

Sumterville, FL 33585

Evaluation Report E1322C.09.06-R3

FL7473-R6

Date of Issuance: 02/24/2009

Revision 3: 04/21/2015

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: Eagle Roof Tiles

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.

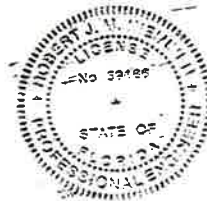
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 4.

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 04/21/2015. 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 SYSTEM EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Roofing Tiles

Compliance Statement: Eagle Roof Tiles, as produced by Eagle Roofing Products Florida LLC, 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:

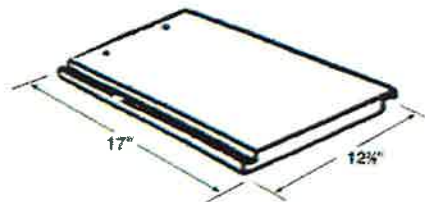
Section	Property	Standard	Year
1507.3.5, R905.3.5	Physical Properties	ASTM C1492	2003
1507.3.7, R905.3.7	Attachment Requirements	FRSA/TRI April 2012 (04-12)	2012
1711.2.1	Overturning Moment	SSTD 11	1997

3. REFERENCES:

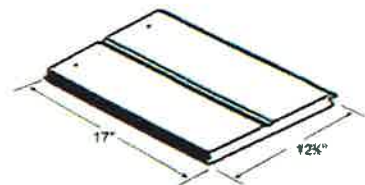
Entity	Examination	Reference	Date
ATL (TST 3782)	ASTM C1492	RT0324.01-11	04/03/2011
ATL (TST 3782)	ASTM C1492	RT0324.02-11	04/03/2011
ATL (TST 3782)	ASTM C1492	RT0324.03-11	04/03/2011
Miami-Dade (CER1592)	HVHZ certification	11-0321.01	05/12/2011
Miami-Dade (CER1592)	HVHZ certification	11-0321.03	05/12/2011
Miami-Dade (CER1592)	HVHZ certification	12-0430.04	08/02/2012
TRI	SSTD 11	Membership Letter	11/29/2005
ATI (QUA 1844)	Quality Assurance	Service Confirmation	Exp. 12/31/2015

4. PRODUCT DESCRIPTION:

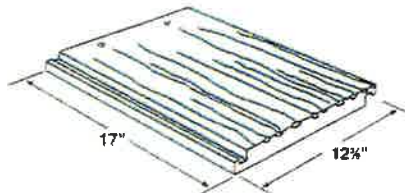
4.1 **BEL AIR, DOUBLE EAGLE BEL AIR, PONDEROSA, DOUBLE EAGLE PONDEROSA and GOLDEN EAGLE** are low (flat)-profile concrete roof tiles having a smooth or textured surface.



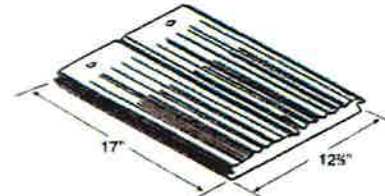
Bel Air



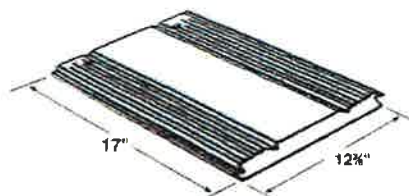
Double Eagle Bel Air



Ponderosa

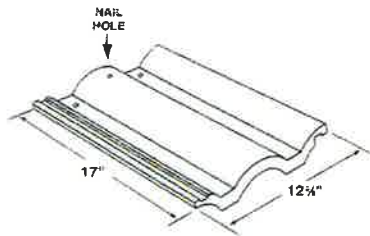


Double Eagle Ponderosa

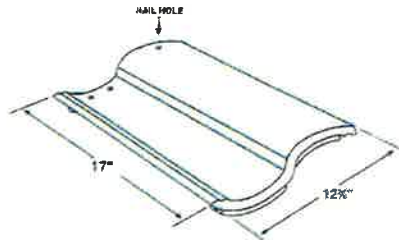


Golden Eagle

4.2 **MALIBU** are medium-profile concrete roof tiles.

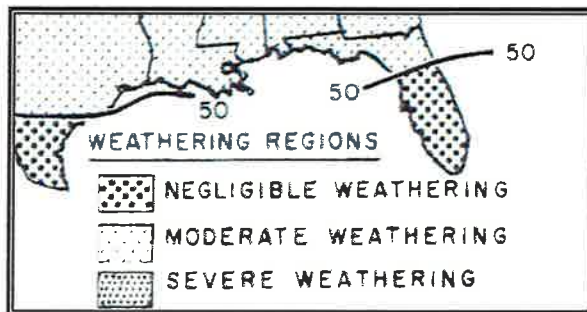


4.3 **CAPISTRANO** are high-profile concrete roof tiles.



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; refer to FBC Section 1505.2, Exception 2 or current Approved Roofing Materials Directory for fire rating of this product.
- 5.4 Underlayment shall be that approved by Eagle Roofing Products, LLC, which holds Florida Product Approval for use with tile roofing systems. The underlayment Product Approval shall specify allowable method(s) of tile installation (mechanical attachment, mortar-set and/or adhesive-set) for use with the specific underlayment. For mortar-set or adhesive-set tile roofing applications, the underlayment Product Approval shall specify attachment methods for the underlayment system to resist wind uplift design loads in accordance with Table 1A of FRSA/TRI April 2012 (04-12).
- 5.5 This Evaluation Report is limited to use on projects in areas subjected to weathering indices of 50 or less (negligible weathering), as outlined in Figure 1 of ASTM C1492-03¹, reproduced below for reference.



5.6 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 Eagle roof tiles may be mechanically fastened, mortar-set or adhesive-set. Installation shall comply with manufacturer's current published instructions, but not less than the requirements of FBC Section 1507.3 and the FRSA/TRI *Florida High Wind Concrete and Clay Tile Installation Manual*, 5th Edition.
- 6.2 Attachment:
 - 6.2.1 Mechanically Attached Tile: Wind load resistance shall be in accordance with Table 3 of FRSA/TRI April 2012 (04-12) to resist the Uplift Moment determined in Table 2A or 2B of FRSA/TRI April 2012 (04-12) or FBC Section 1609.5.3.
 - 6.2.2 Mortar-Set or Adhesive-Set Tile: Wind load resistance shall be in accordance with FBC Section 1609.5.3 in conjunction with the mortar or adhesive manufacturer's Product Approval.
 - 6.2.3 Hip and Ridge Tile: Tile shall be installed in accordance with FRSA/TRI April 2012 (04-12). For hip and ridge tile installations atop hip and ridge metal, refer to the hip and ridge metal manufacturer's Product Approval (e.g., FL5374) or test report in accordance with SSTD 11 for allowable loads to resist those determined in accordance with Table 1A of FRSA/TRI April 2012 (04-12).

7. LABELING:

- 7.1 Each unit shall bear the imprint or identifiable marking of the manufacturer's name or logo. Tile lots shall be labeled in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.
- 7.2 Tile not tested for freeze-thaw shall state clearly that the lot has not been tested for freeze-thaw acceptance on all lot tags or certification.

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 noted QA agency for information on product locations covered for F.A.C. Rule 61G20-3 QA requirements.

10. QUALITY ASSURANCE ENTITY:

Architectural Testing, Inc. – QUA1844; (717) 764-7700

- END OF EVALUATION REPORT -

ASTM C1492-03, Standard Specification for Concrete Roof Tile, © ASTM International

FLORIDA DEPARTMENT OF
Business & Professional Regulation



BCIS Home Log In User Registration Hot Topics Submit Surcharge Stats & Facts Publications FBC Staff BCIS Site Map Links Search



Product Approval
USER: Public User

License efficiently. Regulate fairly.

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

OFFICE OF THE
SECRETARY

FL #	FL10626-R12														
Application Type	Revision														
Code Version	2014														
Application Status	Approved														
Comments	Archived														
Product Manufacturer	GAF														
Address/Phone/Email	1 Campus Drive Parispany, NJ 07054 (973) 872-4421 lindareith@trinityerd.com														
Authorized Signature	Beth McSorley 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	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	11/12/2016														
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)	<table> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>ASTM D1970</td> <td>2009</td> </tr> <tr> <td>ASTM D6164</td> <td>2005</td> </tr> <tr> <td>ASTM D6757</td> <td>2007</td> </tr> <tr> <td>FM 4474</td> <td>2004</td> </tr> <tr> <td>FRSA/TRI April 2012 (04-12)</td> <td>2012</td> </tr> <tr> <td>TAS 103</td> <td>1995</td> </tr> </tbody> </table>	Standard	Year	ASTM D1970	2009	ASTM D6164	2005	ASTM D6757	2007	FM 4474	2004	FRSA/TRI April 2012 (04-12)	2012	TAS 103	1995
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



[Contact Us](#) :: [1940 North Monroe Street, Tallahassee FL 32399](#) Phone: 850-487-1824

The State of Florida is an AA/EEO employer. [Copyright 2007-2013 State of Florida](#). :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

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:

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.

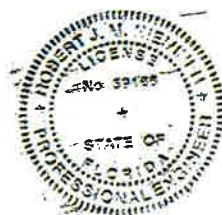
This Evaluation Report consists of pages 1 through 8.

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 ≤ 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 -



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

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

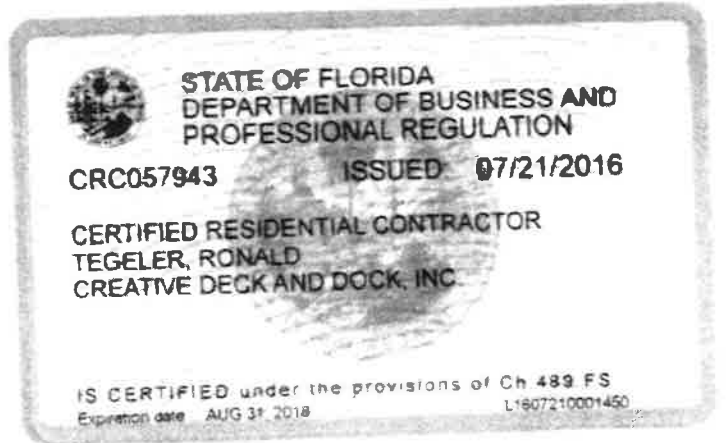
(850) 487-1395

TEGELER, RONALD
CREATIVE DECK AND DOCK, INC
PO BOX 852
WINDERMERE FL 34786

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 barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

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	
CRC057943	

The RESIDENTIAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2018

TEGELER, RONALD
CREATIVE DECK AND DOCK, INC.
636 BUTLER STREET
WINDERMERE FL 34786



DESIGN AS REQUIRED BY LAW

SEQ # L1607210001450



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

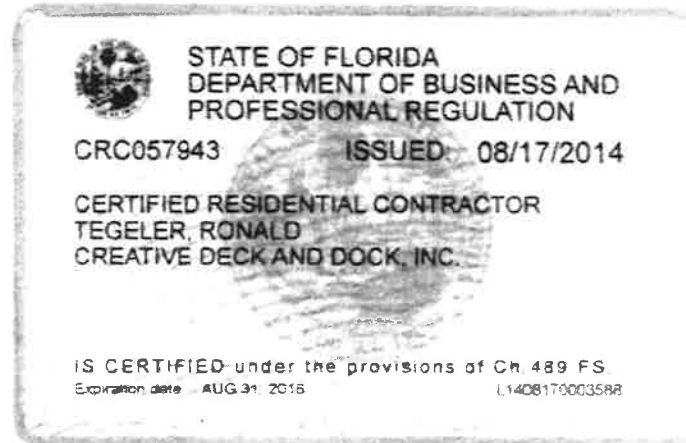
(850) 487-1395

TEGELER, RONALD
CREATIVE DECK AND DOCK, INC.
PO BOX 852
WINDERMERE FL 34786

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 barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

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	
CRC057943	

The RESIDENTIAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2016



TEGELER, RONALD
CREATIVE DECK AND DOCK, INC.
636 BUTLER STREET
WINDERMERE FL 34786



ISSUED 08/17/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1408170003588



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/10/2016

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 Insurance Office of America, Inc. 1855 West State Road 434 Longwood, FL 32750	CONTACT NAME: PHONE (A/C, No, Ext): (407) 788-3000		FAX (A/C, No): (407) 788-7933
	E-MAIL ADDRESS:		
INSURED Creative Deck and Dock, Inc. P.O.Box 852 Windermere, FL 34786	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Travelers Casualty Insurance Company of America		19046
	INSURER B : Commerce and Industry Insurance Company		19410
	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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR			ZOL-14P39886-16-ND	02/13/2016	02/13/2017	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000
							MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
	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						COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
								\$
B	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	N/A	WC005226873	01/01/2016	01/01/2017	<input checked="" type="checkbox"/> PER STATUTE	<input type="checkbox"/> OTH-ER
							E.L. EACH ACCIDENT	\$ 100,000
							E.L. DISEASE - EA EMPLOYEE	\$ 100,000
							E.L. DISEASE - POLICY LIMIT	\$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Workers Compensation includes USL&H (Code 6006F)

CERTIFICATE HOLDER

CANCELLATION

City of Belle Isle 1600 Nela Avenue Belle Isle, FL 32809	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

© 1988-2014 ACORD CORPORATION. All rights reserved.



JEFF ATWATER
CHIEF FINANCIAL OFFICER

STATE OF FLORIDA
DEPARTMENT OF FINANCIAL SERVICES
DIVISION OF WORKERS' COMPENSATION

**** CERTIFICATE OF ELECTION TO BE EXEMPT FROM FLORIDA WORKERS' COMPENSATION LAW ****

CONSTRUCTION INDUSTRY EXEMPTION

This certifies that the individual listed below has elected to be exempt from Florida Workers' Compensation law.

EFFECTIVE DATE: 7/14/2015

EXPIRATION DATE: 7/13/2017

PERSON: TEGELER

RONALD

FEIN: 593348464

BUSINESS NAME AND ADDRESS:

CREATIVE DECK AND DOCK INC

P.O. BOX 852

WINDERMERE FL 34786

SCOPES OF BUSINESS OR TRADE:

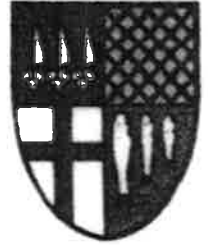
LICENSED RESIDENTIAL
CONTRACTR

Pursuant to Chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter. Pursuant to Chapter 440.05(12), F.S., Certificates of election to be exempt.. apply only within the scope of the business or trade listed on the notice of election to be exempt. Pursuant to Chapter 440.05(13), F.S., Notices of election to be exempt and certificates of election to be exempt shall be subject to revocation if, at any time after the filing of the notice or the issuance of the certificate, the person named on the notice or certificate no longer meets the requirements of this section for issuance of a certificate. The department shall revoke a

DFS-F2-DWC-252 CERTIFICATE OF ELECTION TO BE EXEMPT REVISED 08-13

QUESTIONS? (850)413-1609

LOCAL BUSINESS TAX RECEIPT
TOWN OF WINDERMERE
614 MAIN STREET
WINDERMERE, FLORIDA 34786



Business Name: Creative Deck & Dock, Inc

Location Address: 636 Butler Street

City/State: Windermere FL

ISSUE DATE: 10/21/2014

EXPIRATION DATE: 9/30/2015


TAX RECEIPT #	CLASSIFICATION	FEE
5491	Professional (one person/partner) Deck & Dock Construction	50.00

Comments:

Restrictions:
OFFICE ONLY

TO:

Creative Deck & Dock, Inc
Ronald W Tegeler
P.O. Box 852
Windermere, FL 34786


ROBERT SMITH, TOWN MANAGER

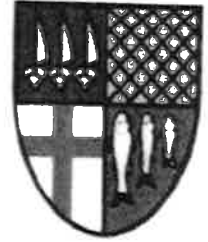

DOROTHY BURKHALTER,
TOWN CLERK

This Local Business Tax Receipt does not permit the holder to operate in violation of any Town law, ordinance or regulation. Any change in location or ownership must be approved by Town license division, subject to zoning restrictions. This tax receipt does not endorse, approve or disapprove the holder's skill or competence of the holder's compliance or non-compliance with other laws, regulations or standards. The Town of Windermere reserves the right to revoke or cancel this license. Such action may be taken in case the license or person doing business hereunder so conducts such business that it becomes a nuisance and/or disturbs the peace, health, welfare or safety of the citizens of the community.

IMPORTANT: THIS TAX RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS.

PENALTY FOR FAILURE TO DO SO.

**LOCAL BUSINESS TAX RECEIPT
TOWN OF WINDERMERE
614 MAIN STREET
WINDERMERE, FLORIDA 34786**



Business Name: Creative Deck & Dock, Inc

Location Address: 636 Butler Street

City/State: Windermere FL

ISSUE DATE: 10/05/2015

EXPIRATION DATE: 9/30/2016

TAX RECEIPT #	CLASSIFICATION	FEE
5595	Professional (one person/partner) Deck & Dock Construction	50.00

Comments:

Restrictions:
OFFICE ONLY

TO:

Creative Deck & Dock, Inc
Ronald W Tegeler
P.O. Box 852
Windermere, FL 34786


ROBERT SMITH, TOWN MANAGER


DOROTHY BURKHALTER,
TOWN CLERK

This Local Business Tax Receipt does not permit the holder to operate in violation of any Town law, ordinance or regulation. Any change in location or ownership must be approved by Town license division, subject to zoning restrictions. This tax receipt does not endorse, approve or disapprove the holder's skill or competence of the holder's compliance or non-compliance with other laws, regulations or standards. The Town of Windermere reserves the right to revoke or cancel this license. Such action may be taken in case the license or person doing business hereunder so conducts such business that it becomes a nuisance and/or disturbs the peace, health, welfare or safety of the citizens of the community.

IMPORTANT: THIS TAX RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS.

PENALTY FOR FAILURE TO DO SO.