



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 – over new trusses added to raise flat roof and create attic space – 3800 sf asphalt shingles
Comments: None

Project Information

Address: 5842 Cove Drive, Belle Isle, FL 32812
Parcel ID: 20-23-30-1660-00-090
Property Owner: Giles, Jeffrey
Phone Number: 407-508-8309

Company Name: BY OWNER
Contractor Name:
License Number:
Address:
Phone Number:

Permit Number: 2016-09-054

Date of Application: 09/27/2016

Date Permit Issued: 10/04/2016

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

School \$
Traffic \$

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 \$120.00
Screen Encl \$
Shed \$
Temp Pole \$
Window(s) \$

SURCHARGE FEES

Surcharge Fee \$2.00
Surcharge Fee \$2.00

TOTAL FEES \$124.00

Date Paid 10-14-16

CC or Check # VISA 6422

Amount Paid 124.00

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 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 BI scheduling@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



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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: 9/27/16

ROOF PERMIT NUMBER 2016-09-054

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

Project Address 5842 COVE DR, Belle Isle, FL 32809 X 32812

Property Owner JEFFREY S. GILVES Phone 407 509 8309

Property Owner's Mailing Address SAME City _____

State _____ Zip Code _____ Parcel Id Number: 20.23.30.1660.00.090

REQUIRED! To obtain this information, please visit <http://www.ocpafi.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: 3800

Number of Stories: 1

Job Valuation: \$ 3,500⁰⁰

Type: Asphalt Shingles ☒ Metal ☐ Modified Bitumen ☐ Other: _____

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

LICENSE HOLDER SIGNATURE BY OWNER LICENSE # _____

LICENSE HOLDER NAME _____ COMPANY NAME _____

Street Address _____

City _____ State _____ Zip Code _____ Phone Number _____

Email Address jeffrey@jagles.com

15' 11"
15' 11"

25
55
80

Zoning Fee \$ none new

Permit Fee \$ 80.-

Review Fee \$ 40.-

3% Florida Surcharge \$ 4.-

Total Permit Fee \$ 124.-

Building Official: Lajendra Singh Date 10-13-16

Verified Contractor's Licenses & Insurance are on file SID Date 9-28-16

O/B disburse

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 _____

wo 73338



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OWNER BUILDER DISCLOSURE STATEMENT

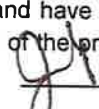
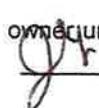
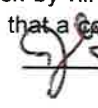
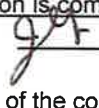
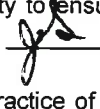
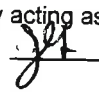
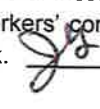
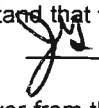

Per Florida Statue 455.228:

Homeowners hiring unlicensed Contractors may be subject a fine of up to \$5,000.00!

SEP 27 2016

BY: 

Before me this day personally appeared JEFFREY S. GINES, who being duly sworn, deposes, and says as follows. "I hereby acknowledge that I have read and fully understand the individual provisions of this instrument."

1. I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license  Initial
2. I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.  Initial
3. I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed in Florida and to list his or her license numbers on permits and contracts.  Initial
4. I understand that I may build or improve a one-family or two-family residence or a farm outbuilding. I may also build or improve a commercial building if the costs do not exceed \$75,000.00. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased within 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.  Initial
5. I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction. Initial
6. I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.  Initial
7. I understand that it is a frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit, that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.  Initial
8. I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.  Initial
9. I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.  Initial
10. I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at (850)487-1395 or www.Call.Center@dbpr.state.fl.us for more information about licensed contractors.  Initial

Owner Builder Disclosure Statement

11. I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address: Project Address: 5842 Cove DR 32812 JS Initial
12. I agree to notify the City of Belle Isle Building/Zoning Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. JS Initial
13. FBC 105.3.6 requires asbestos abatement to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own asbestos abatement contractor even though you do not have a license. You must supervise the construction yourself. You may move, remove or dispose of asbestos-containing materials on a residential building where you occupy the building and the building is not for sale or lease, or the building is a farm outbuilding on your property. If you sell or lease such building within 1 year after the asbestos abatement is complete, the law will presume that you intended to sell or lease the property at the time the work was done, which is a violation of this exemption. You may not hire an unlicensed person as your contractor. Your work must be done according to all local, state and federal laws and regulations which apply to asbestos abatement projects. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. JS Initial

Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if any unlicensed contractor or employee of an individual or firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to the local permitting agency responsible for issuing the permit. A copy of the property owner's driver license, the notarized signature of the property owner, or other type of verification acceptable to the local permitting agency is required when the permit is issued.

| | |
|--|--|
| Signature: <u>Jeffrey S. Giles</u> (Signature of the property owner) | Print: <u>JEFFREY S. GILES</u> (Name of the property owner) |
| Signature: _____ (Signature of the property owner) | Print: _____ (Name of the property owner) |
| Owner's Address: <u>5842 Cove DR 32812</u> | |
| The foregoing instrument was acknowledged before me this ____/____/____ | |
| by _____ who is personally known to me / who produced the following _____ as identification and who did not take an oath. | |
| State of Florida / County of _____ | Seal: _____ |
| Notary Signature _____ | |



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Product Approval Form

ROOF

RECEIVED
SEP 27 2016
BY: [Signature]

DATE: 9/27/16

PERMIT # 2016-09054

PROJECT ADDRESS 5842 CORE DR, 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/Dbl Hung | | | | Asphalt Shingles | | FL 10624 | |
| Horizontal Slider | | | | Non Struct Metal | | | |
| Casement | | | | Roofing Tiles | | | |
| Fixed | | | | Single Ply Roof | | | |
| Mullion | | | | Underlayment | | | |
| Skylights | | | | Other | | | |
| Other | | | | Underlayment | | FL 2346 | |
| STRUCTURAL COMPONENTS | | | | OTHER | | | |
| Wood Connectors | | | | | | | |
| Wood Anchors | | | | | | | |
| Truss Plates | | | | | | | |
| Insulation Forms | | | | | | | |
| Lintels | | | | | | | |
| Other | | | | | | | |

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

Applicant Signature [Signature]

Date 9/27/16



Product Approval
USER: Public User

License efficiently. Regulate fairly.

OFFICE OF THE
SECRETARY

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

FL #

FL10674-R11

Application Type

Revision

Code Version

2014

Application Status

Approved

Comments

Archived

Product Manufacturer

Owens Corning

Address/Phone/Email

One Owens Corning Parkway
Toledo, OH 43659
(740) 404-7829
greg.keeler@owenscorning.com

Authorized Signature

Greg Keeler
greg.keeler@owenscorning.com

Technical Representative

Mel Sancrant

Address/Phone/Email

1 Owens Corning PKWY
Toledo, OH 43659
(419) 376-8360
mel.sancrant@owenscornig.com

Quality Assurance Representative

Address/Phone/Email

Category

Roofing

Subcategory

Asphalt Shingles

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed
Florida Professional Engineer
Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed
the Evaluation Report

Robert J.M. Nieminen

Florida License

PE-59166

Quality Assurance Entity

UL LLC

Quality Assurance Contract Expiration Date

08/20/2017

Validated By

John W. Knezevich, PE

✓ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL10674 R11 COI 2015 01 COI Nieminen.pdf](#)

Referenced Standard and Year (of Standard)

Standard

Year

ASTM D3161

2009

ASTM D3462

2009

ASTM D7158

2008

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method
Date Submitted
Date Validated
Date Pending FBC Approval
Date Approved
Date Revised

Method 1 Option D
10/15/2015
10/19/2015
10/20/2015
12/15/2015
04/18/2016



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

Owens Corning

One Owens Corning Parkway
Toledo, OH 43659

Evaluation Report O37940.02.12-R6

FL10674-R11

Date of Issuance: 02/06/2012

Revision 6: 10/15/2015

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: Owens Corning Asphalt Roof Shingles

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

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

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

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

This Evaluation Report consists of pages 1 through 7.

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 10/15/2015. 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 SYSTEMS EVALUATION:

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

2. **STANDARDS:**

| Section | Property | Standard | Year |
|------------------------|---------------------|------------|------|
| 1507.2.5, R905.2.4 | Physical Properties | ASTM D3462 | 2009 |
| 1507.2.7.1, R905.2.6.1 | Wind Resistance | ASTM D3161 | 2009 |
| 1507.2.7.1, R905.2.6.1 | Wind Resistance | ASTM D7158 | 2008 |

3. **REFERENCES:**

| Entity | Examination | Reference | Date |
|----------------------|-----------------------------|-----------------------------|-----------------|
| UL LLC (CER9626) | Physicals & Wind Resistance | File R2453, Vol. 3 | 02/15/2007 |
| UL LLC (CER9626) | Physicals & Wind Resistance | 20120516-R2453 | 05/16/2012 |
| UL LLC (TST9628) | Physical Properties | 06CA20263 | 04/18/2006 |
| UL LLC (TST9628) | Wind Resistance | 11CA34308 | 02/18/2012 |
| UL LLC (TST9628) | Physicals & Wind Resistance | 4786093137 | 02/01/2014 |
| UL LLC (TST9628) | Wind Resistance | 4786126532 | 02/10/2014 |
| UL LLC (TST9628) | Physical Properties | Classification letter | 02/13/2014 |
| UL LLC (TST9628) | Physical Properties | Classification letter | 10/02/2015 |
| Miami-Dade (CER1592) | FBC HVHZ Compliance | Various NOAs | Various |
| UL LLC (QUA9625) | Quality Control | Service Confirmation, R2453 | Exp. 08/20/2017 |

4. **PRODUCT DESCRIPTION:**
 - 4.1 Asphalt Shingles:
 - 4.1.1 Classic[®] and Supreme[®] are fiberglass reinforced, 3-tab asphalt roof shingles.
 - 4.1.2 Berkshire[®] are fiberglass reinforced, 4-tab asphalt roof shingles.
 - 4.1.3 Devonshire[™] are fiberglass reinforced, 5-tab asphalt roof shingles.
 - 4.1.4 Duration[®], TruDefinition[®] Duration[®], Duration[®] Premium Cool, TruDefinition[®] Duration[®] Designer Color Collection, TruDefinition[®] Oakridge[®], Oakridge[®] and WeatherGuard[®] HP are fiberglass reinforced, laminated asphalt roof shingles.
 - 4.2 Berkshire[®] Hip & Ridge Shingles, High Ridge, Hip & Ridge with Sealant, WeatherGuard[®] HP Hip & Ridge Shingles, ProEdge Hip & Ridge Shingles and DuraRidge[™] Hip & Ridge Shingles are fiberglass reinforced, hip and ridge asphalt roof shingles.
 - 4.3 Starter Strip Shingle, Starter Strip Plus and Starter Shingle Roll are starter strips for asphalt roof shingles.

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

5.4 Wind Classification:

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

6. INSTALLATION:

6.1 Underlayment:

- 6.1.1 Underlayment shall be acceptable to Owens Corning and shall hold current Florida Statewide Product Approval, or be Locally Approved per Rule 61G20-3, per FBC Sections 1507.2.3, 1507.2.4 or R905.2.3.

6.2 Asphalt Shingles:

- 6.2.1 Installation of asphalt shingles shall comply with the manufacturer's current published instructions, using minimum four (4) nails per shingle in accordance with FBC Sections 1507.2 or R905.2, with the following exceptions:

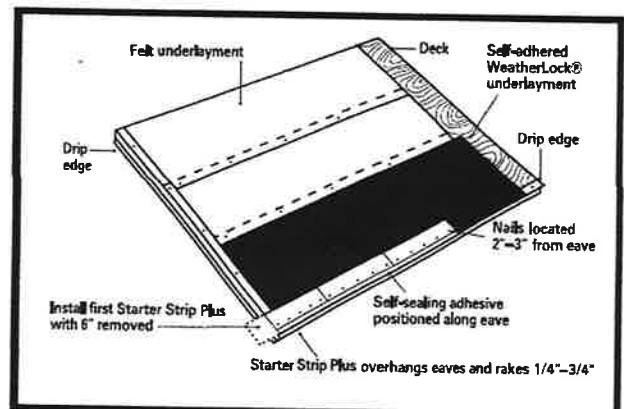
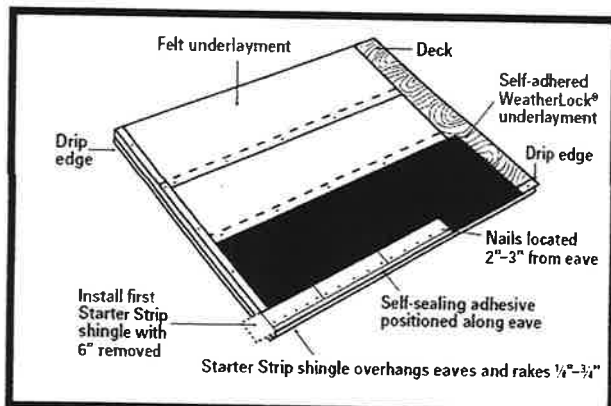
- Berkshire® shingles require minimum five (5) nails per shingle.
- WeatherGuard® HP shingles require minimum six (6) nails per shingle.
- Devonshire™ shingles require minimum six (6) nails per shingle.
- Starter Strip Shingle and Starter Strip Plus require minimum five (5) nails per strip.

Refer to Owens Corning published information on wind resistance and installation limitations.

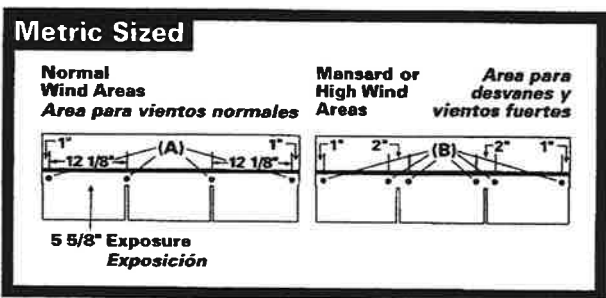
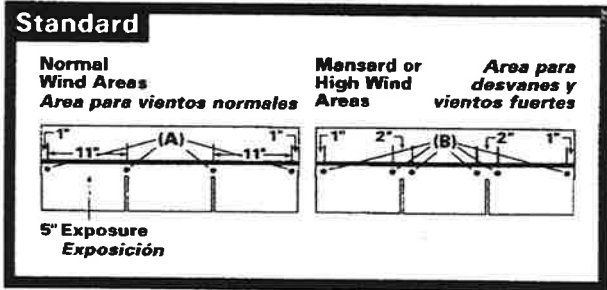
- 6.2.2 Fasteners shall be in accordance with the manufacturer's published requirements, but not less than FBC 1507.2.6 or R905.2.5. Staples are not permitted.

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

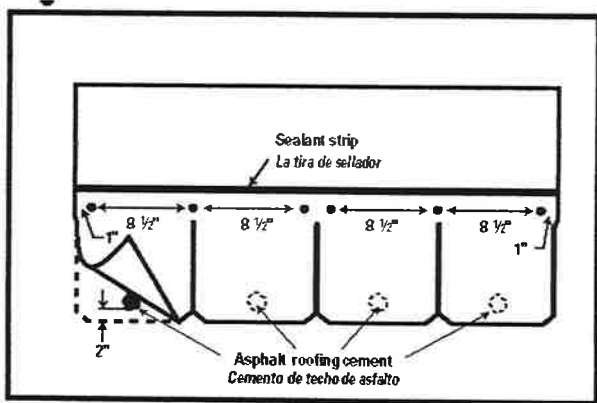
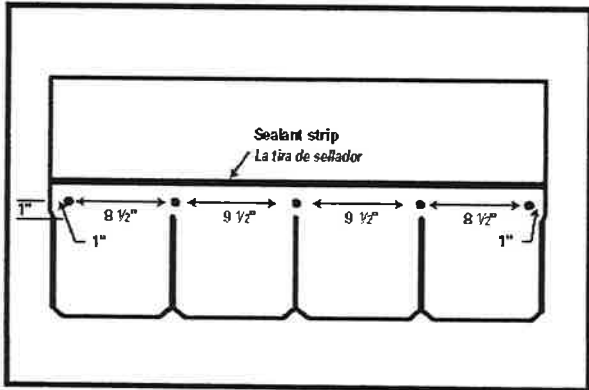
- 6.2.5 Minimum Nailing – Starter Strip Shingle and Starter Strip Plus:



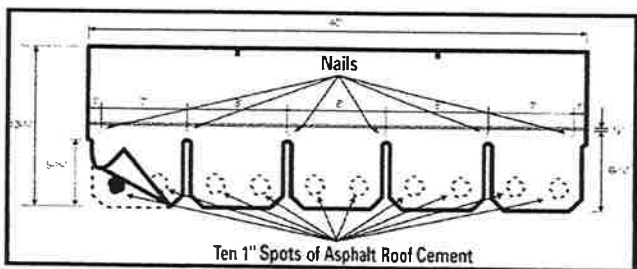
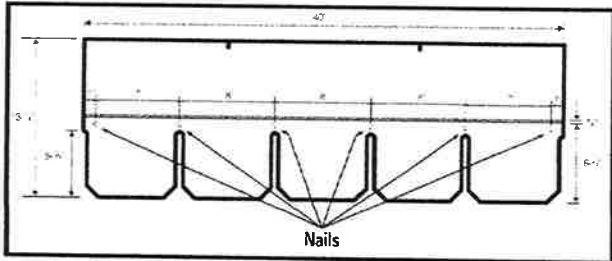
6.2.6 Minimum Nailing – Classic® & Supreme:



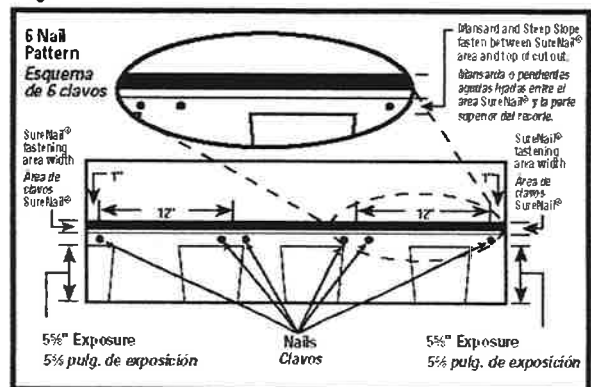
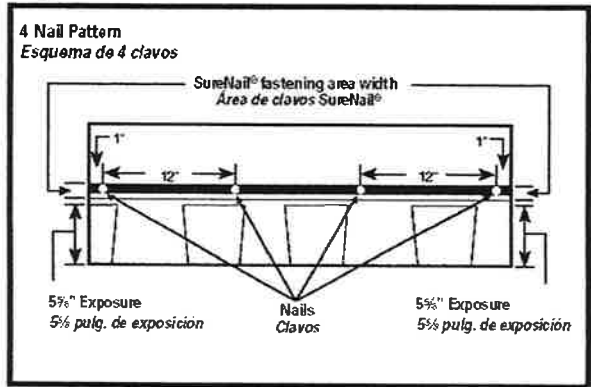
6.2.7 Minimum Nailing – Berkshire®:



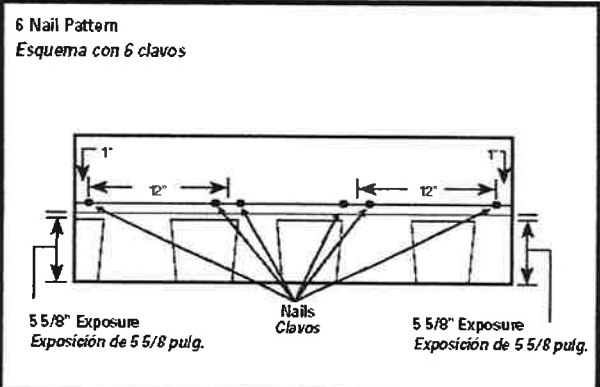
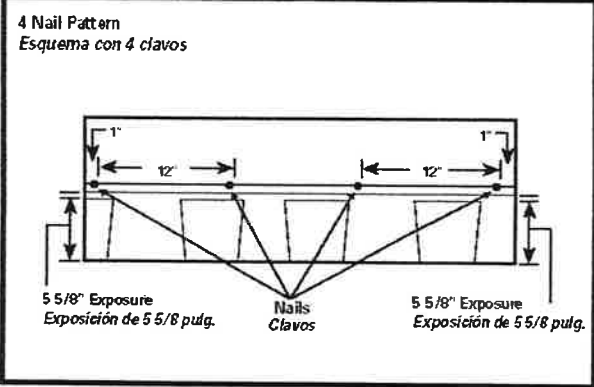
6.2.8 Minimum Nailing – Devonshire™:



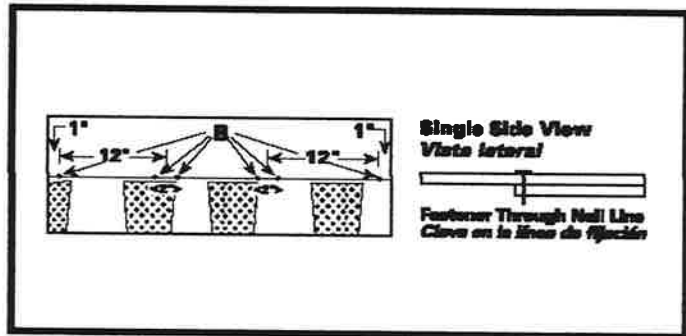
6.2.9 Minimum Nailing – Duration®, TruDefinition® Duration, Duration® Premium Cool & TruDefinition® Duration® Designer Color Collection:



6.2.10 Minimum Nailing – TruDefinition® Oakridge®, Oakridge®:



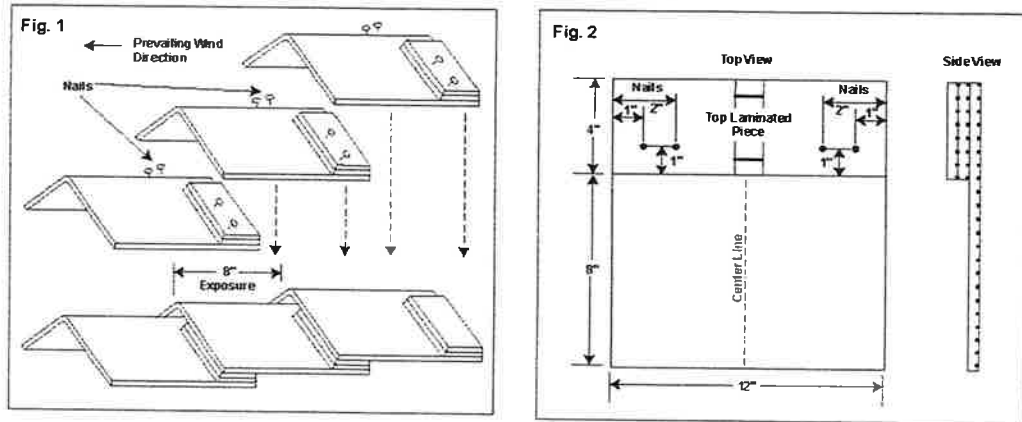
6.2.11 Minimum Nailing – WeatherGuard® HP:



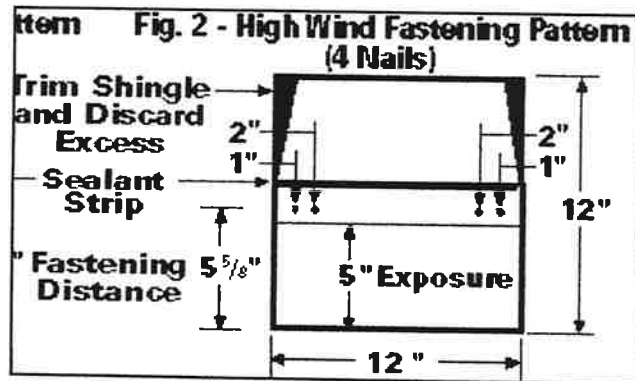
6.3 Hip & Ridge Shingles:

6.3.1 Installation of Berkshire® Hip and Ridge Shingles, High Ridge, Hip & Ridge with Sealant, WeatherGuard® HP Hip and Ridge Shingles and ProEdge Hip & Ridge Shingles shall comply with the manufacturer's current published instructions, using four (4) nails per shingle. Installation of DuraRidge™ Hip & Ridge Shingles shall comply with the manufacturer's current published instructions, using two (2) nails per shingle. Refer to Owens Corning published information on wind resistance and installation limitations, including the use of hand-sealing for wind warranties.

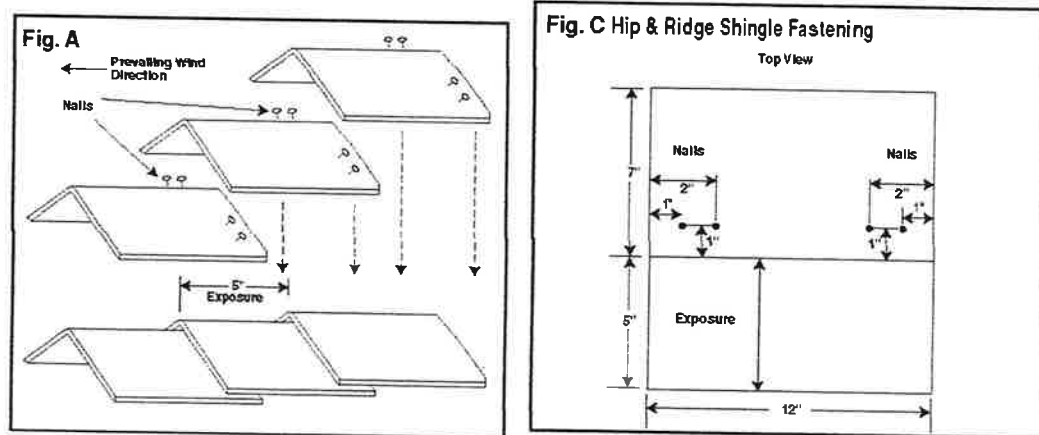
- 6.3.2 Fasteners shall be in accordance with the manufacturer’s published requirements, but not less than FBC 1507.2.6 or R905.2.5. Staples are not permitted.
- 6.3.3 Minimum Nailing – Berkshire® Hip & Ridge and High Ridge:



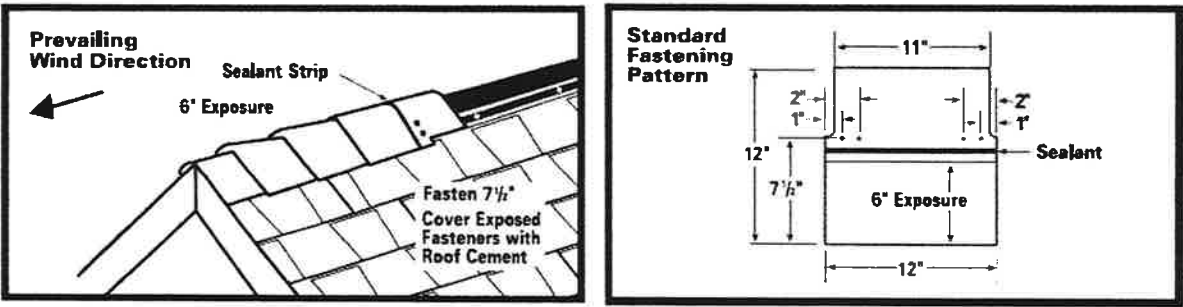
- 6.3.4 Minimum Nailing – Hip & Ridge with Sealant:



- 6.3.5 Minimum Nailing – WeatherGuard® HP Hip and Ridge:

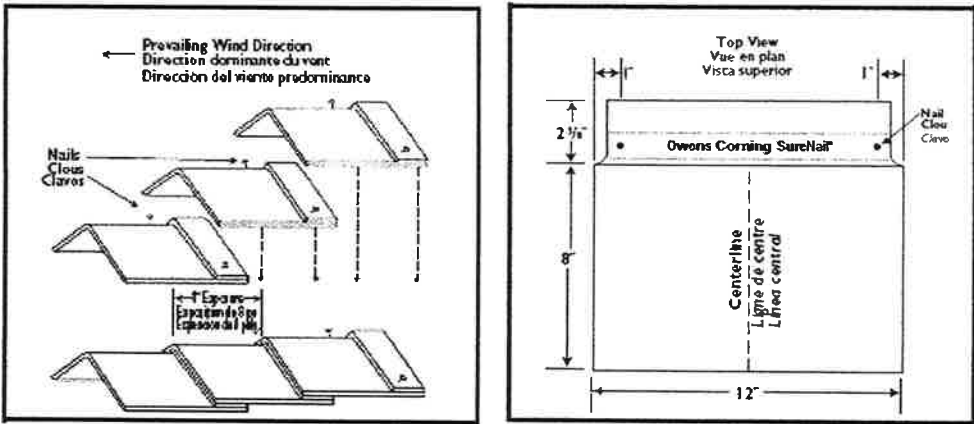


6.3.6 Minimum Nailing - ProEdge Hip & Ridge Shingles:



6.3.7 Minimum Nailing – DuraRidge™ Hip & Ridge Shingles:

Note: The drawings below pertain to minimum, as-tested attachment requirements. Refer to Owens Corning published installation instructions for their minimum requirements.



7. LABELING:

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

8. BUILDING PERMIT REQUIREMENTS:

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

9. MANUFACTURING PLANTS:

Contact the named QA entity for information on which plants produce products covered by Florida Rule 9N-3 QA requirements.

10. QUALITY ASSURANCE ENTITY:

UL LLC– QUA9625 ; (414) 248-6409; karen.buchmann@ul.com

- END OF EVALUATION REPORT -



Product Approval

USER: Public User

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



| FL # | FL2346-R5 | | | | | | |
|--|---|----------|------|-----------|------|------------|------|
| Application Type | Affirmation | | | | | | |
| Code Version | 2014 | | | | | | |
| Application Status | Approved | | | | | | |
| Comments | | | | | | | |
| Archived | <input type="checkbox"/> | | | | | | |
| Product Manufacturer | Warrior Roofing Manufacturing | | | | | | |
| Address/Phone/Email | 3050 Warrior Road Tuscaloosa, AL 35404 (205) 553-1734 Ext 115 Steven@WarriorRoofing.net | | | | | | |
| Authorized Signature | Steven Crew Steven@WarriorRoofing.net | | | | | | |
| Technical Representative | | | | | | | |
| Address/Phone/Email | Steven Crew 3050 Warrior Road Tuscaloosa, AL 35404 (205) 553-1734 Ext 1024 Steven@WarriorRoofing.net | | | | | | |
| Quality Assurance Representative | | | | | | | |
| Address/Phone/Email | Steven Crew 3050 Warrior Road Tuscaloosa, AL 35404 (205) 553-1734 Ext 1024 Steven@WarriorRoofing.net | | | | | | |
| Category | Roofing | | | | | | |
| Subcategory | Underlayments | | | | | | |
| Compliance Method | Test Report | | | | | | |
| Testing Lab | PRI Construction Materials Technologies, LLC | | | | | | |
| Quality Assurance Entity | Keystone Certifications, Inc. | | | | | | |
| Quality Assurance Contract Expiration Date | 10/05/2019 | | | | | | |
| Validated By | Jesus Gonzalez, P.E. <input type="checkbox"/> Validation Checklist - Hardcopy Received | | | | | | |
| Certificate of Independence | FL2346_R5_COI_PRI_CMT_Cert of Independence.pdf | | | | | | |
| Referenced Standard and Year (of Standard) | <table><tr><th>Standard</th><th>Year</th></tr><tr><td>ASTM D226</td><td>2006</td></tr><tr><td>ASTM D4869</td><td>2005</td></tr></table> | Standard | Year | ASTM D226 | 2006 | ASTM D4869 | 2005 |
| Standard | Year | | | | | | |
| ASTM D226 | 2006 | | | | | | |
| ASTM D4869 | 2005 | | | | | | |
| Equivalence of Product Standards | | | | | | | |
| Certified By | | | | | | | |

☒ I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

| Product Approval Method | Method 1 Option B |
|---------------------------|-------------------|
| Date Submitted | 02/13/2015 |
| Date Validated | 02/13/2015 |
| Date Pending FBC Approval | |
| Date Approved | 02/19/2015 |

| FL # | Model, Number or Name | Description |
|---|--------------------------|---|
| 2346.1 | #15 and #30 roofing felt | ASTM D 226 Tested |
| Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Primary roof covering should be installed immediately after felt. Roofing felt is not intended to be an unprotected weathering surface. | | Installation Instructions FL2346 R5 II InstallationInstructions.pdf Verified By: PRI Construction Materials Technologies, LLC Test Reports FL2346 R5 TR 15A Test Report.pdf FL2346 R5 TR 30A Test Report.pdf |
| 2346.2 | 15w and 30w roofing felt | ASTM D 4869 Tested |
| Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Primary roof covering should be installed immediately after felt. Roofing felt is not intended to be an unprotected weathering surface. | | Installation Instructions FL2346 R5 II InstallationInstructions.pdf Verified By: PRI Construction Materials Technologies, LLC Test Reports FL2346 R5 TR 15w Test Report.pdf FL2346 R5 TR 30w Test Report.pdf |

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WARRIOR® ROOFING MANUFACTURING

P. O. BOX 40185 • TUSCALOOSA, AL 35404 • PHONE (205) 553-1734 • FAX (205) 553-1755

193 LEROY ANDERSON ROAD • MONROE, GA 30655 • PHONE (770) 207-0695 • FAX (770) 207-0775

323 DEVELOPMENT AVENUE • CHAMBERSBURG, PA 17201 • PHONE (717) 709-0323 • FAX (717) 709-0027

Roofing Felt Installation Recommendations

Be aware that roofing felt should not be walked upon prior to fastening into position. Proper safety equipment is recommended for all installations. Also, the roof decking should be clear of debris and moisture prior to installation of the roofing felt.

Roofing felt should be installed from the bottom of the roof in horizontal layers to increase the water shedding ability of the felt. The initial layer of felt should be installed to cover the bottom edge of the decking, from edge to edge. Overhang is not required.

Anchor the top corner of the felt after it has been properly positioned and roll the felt out across the roof. Pay careful attention to roll the felt out smoothly, avoiding wrinkles as you move across the roof. The top edge of the felt should be fastened no less than every eight inches. The middle and bottom edge should also be fastened no less than every eight inches. Fasteners should be applied no less than every eight inches along the eaves.

The next course of felt should also be aligned with the roof edge and should overlap the previous course two inches (sometimes referred to as head lap). In the event you get to the end of a roll prior to getting to the opposite edge of the roof, begin a new roll with a four inch overlap over the end of the prior roll (sometimes referred to as end lap). The same fastening pattern used on the middle and bottom of the initial course should be used for each subsequent course. For the top of each subsequent course, fasten intermittently to hold the top edge in place until the next course is applied. The fasteners in the bottom of the next course will hold the top of the previous course securely.

Continue up the roof in this manner. Be sure to firmly fasten the top of the final course if it terminates at the top edge of the roof. Otherwise, overlap the felt over the ridge and secure then begin at the bottom of the other side of the ridge and repeat the process.

In valleys, lay a vertical section of roofing felt the length of the valley prior to the installation of the horizontal runs of roofing felt. If you use more than one section of roofing felt in a valley, be certain to start at the bottom and overlap each subsequent length a minimum of two inches as you move up the valley to insure proper water shedding.

Dillon
P.E. No. 65434
9/17/2008

In the event some wrinkles are created while fastening down a course of felt, slice the wrinkles and fasten them flat to the deck. Then seal the cuts with waterproofing cement.

Installation of the primary roof covering (ex. Shingles) is recommended immediately after felt installation.

NOTE: LOCAL BUILDING CODES MAY REQUIRE A DIFFERENT FASTENING PATTERN AND/OR SPECIFIC FASTENER TYPES THAN RECOMMENDED BY THESE INSTRUCTIONS. PLEASE CONTACT YOUR LOCAL BUILDING CODE ADMINISTRATOR FOR THE EXISTENCE OF REGIONALLY SPECIFIC FASTENING REQUIREMENTS.

A handwritten signature in cursive script, appearing to read "Dickson", is written over a dark, textured background.

P.E. No. 65034

9/12/2008