



**City of Belle Isle**  
 Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
 Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://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.

<p><b>Scope of Work:</b> ROOF: re-roof 1200 sf of porch</p> <p><b>Comments:</b> None</p> <p><b>Project Information</b>          Address: 5019 Dorian Dr, Belle Isle, FL 32809          Parcel ID: 17-23-30-4384-02-920          Property Owner: Harold Samuel Wilkinson Trust          Phone Number: none          *****          Company Name: MJP Windows &amp; Construction Inc          Contractor Name: Penhaligon, Martin          License Number: CCC057886          Address: 208 Teakwood Ct, Lake Mary, FL 32746          Phone Number: 407 265 2215</p>	<p align="center"><b>Permit Number: 2017-04-022</b></p> <p align="right"><b>Date of Application: 04/06/2017</b>  <b>Date Permit Issued: 04/10/2017</b></p> <p><b>WARNING TO OWNER:</b> "YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.</p>
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**BUILDING FEATURES**

<p><b>IMPACT FEES</b></p> <p>Traffic \$          School \$</p> <p><b>ZONING FEES</b></p> <p>Zoning Fee \$30.00</p> <p><b>UNIVERSAL ENG - BUILDING FEES</b></p> <p>Boat Dock \$          Boat House \$          Building \$          Demo \$          Door(s) \$          Driveway \$          Electrical \$          Fence \$          Gas \$          Irrigation \$          Low Voltage \$          Mechanical \$          Plumbing \$          Pool \$          Roofing \$80.00          Screen Encl \$          Shed \$          Temp Pole \$          Window(s) \$</p> <p><b>SURCHARGE FEES</b></p> <p>Surcharge Fee \$2.00          Surcharge Fee \$2.00</p> <p align="center"><b>TOTAL FEES \$114.00</b></p> <p><b>Date Paid</b> 4-10-17</p> <p><b>CC of Check #</b> 1154 3988</p> <p><b>Amount Paid</b> 114.00</p> <p>The person accepting this permit shall conform to the terms of the application on file and construction shall conform to the requirements of the Florida Building Code (FS 553).</p>	<p align="center"><b>BUILDING INSPECTOR USE ONLY</b></p> <p>IF APPLICABLE:          Have Zoning Approval Conditions Been Met? YES NO    Have Stormwater Approval Conditions Been Met? YES NO    Silt fencing in place? YES NO    Turbidity Barrier in place? YES NO</p> <p><input type="checkbox"/> <b>BUILDING</b></p> <p>1<sup>st</sup> _____ (Footing/Foundation)  <b>Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? ____</b></p> <p>2<sup>nd</sup> _____ (Slab)</p> <p>3<sup>rd</sup> _____ (Lintel)(Wall Reinforcing on Masonry Building)</p> <p>4<sup>th</sup> _____ (Exterior Framing)(Roof/Wall Sheathing)</p> <p>5<sup>th</sup> _____ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins &amp; Windows/Doors Installed)</p> <p>6<sup>th</sup> _____ (Insulation to be Made After Roof Installed)</p> <p>7<sup>th</sup> _____ (Drywall)</p> <p>8<sup>th</sup> _____ (Sidewalk/Driveway)</p> <p>9<sup>th</sup> _____ (Other)</p> <p>10<sup>th</sup> _____ (Final – After MEP and Other Applicable Finals)</p> <p><input type="checkbox"/> <b>ROOFING</b>    <b>OSHA APPROVED ACCESS MUST BE MADE AVAILABLE TO INSPECTOR</b></p> <p>1<sup>ST</sup> ROOFING Deck Nailing/Dry-in/Flashing _____</p> <p>2<sup>nd</sup> ROOFING Covering In-Progress _____</p> <p>3<sup>rd</sup> ROOFING Covering Final _____</p> <p><input type="checkbox"/> <b>PLUMBING</b> (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)</p> <p><input type="checkbox"/></p> <p>1<sup>ST</sup> _____ (Underground)    2<sup>nd</sup> _____ (Sewer)</p> <p>3<sup>rd</sup> _____ (Rough-In/Tub Set)    4<sup>th</sup> _____ (Final)</p> <p><b>CHECK APPROPRIATE BOX</b></p> <p><input type="checkbox"/> <b>GAS</b> ___ Natural ___ LP    <input type="checkbox"/> <b>MECHANICAL</b>    <input type="checkbox"/> <b>ELECTRICAL</b>    <input type="checkbox"/> <b>LOW VOLTAGE</b></p> <p>1<sup>st</sup> _____ (Rough-In)    2<sup>nd</sup> _____ (Final)</p>
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Inspection requests are to be emailed to [BDscheduling@UniversalEngineering.com](mailto:BDscheduling@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](mailto:cobi@universalengineering.com)    password = universal13

**RECEIVED**  
APR 06 2017



**City of Belle Isle**

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://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: 4-6-17 ROOF PERMIT NUMBER 201704-022  
PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:

Project Address 5019 DORIAN DRIVE, Belle Isle, FL  32809  32812  
Property Owner Harold Samuel Wilkinson Trust Phone \_\_\_\_\_  
Property Owner's Mailing Address 1100 Benjamin Franklin Dr Apt 404 Sarasota  
City \_\_\_\_\_  
State FL Zip Code 34236 Parcel Id Number: 17-23-30-4384-02-930  
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  Porch

- **REQUIRED!** Florida Product Approval Screen Printout from [www.floridabuilding.org](http://www.floridabuilding.org) showing the Code Version
- **REQUIRED!** Florida Product Approval Installation Instructions from [www.floridabuilding.org](http://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: 12 Number of Stories: 1 Job Valuation: \$ 5200 5 = 12,000  
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 Martin Penhaligon LICENSE # CC0057886  
LICENSE HOLDER NAME MARTIN PENHALIGON COMPANY NAME MJP WINDOWS & CONST. INC  
Street Address 208 TEAKWOOD COURT  
City LAKE MARY State FL Zip Code 32746 Phone Number 407-265-2215  
Email Address \_\_\_\_\_

Building Official: ca Date 4-7-17  
Verified Contractor's Licenses & Insurance are on file (signature) Date 4-6-17

Zoning Fee	\$	<u>30</u>
Permit Fee	\$	<u>80</u>
Review Fee	\$	<u>0</u>
3% Florida Surcharge	\$	<u>4</u>
Total Permit Fee	\$	<u>114</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.

NOCC  
15T 1K 25  
11x5 55  
80



Permit Number: 2017-04-022  
 Folio/Parcel Identification Number: 17-23-30-4384-02-920  
 Prepared by: DORENE PENHALIGON



Return to: MJP WINDOWS & CONSTRUCTION  
208 TEAKWOOD COURT  
LAKE MARY, FL 32746

**NOTICE OF COMMENCEMENT**

State of Florida, County of Orange

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

1. **Description of property** (legal description of the property, and street address if available)  
LAKE CONWAY ESTATES SECTION 5 Y 112 LOT 292 5019 DORIAN DRIVE BELLE ISLE, FL 32812
2. **General description of improvement**  
RE-ROOF
3. **Owner information or Lessee information if the Lessee contracted for the improvement**  
 Name WBRE Investments Inc  
 Address P.O. Box 770262 Weston London, FL 32777  
 interest in Property \_\_\_\_\_  
 Name and address of fee simple titleholder (if different from Owner listed above)  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
4. **Contractor**  
 Name MJP WINDOWS & CONSTRUCTION, INC Telephone Number 407-265-2215  
 Address 208 TEAKWOOD COURT LAKE MARY, FL 32746
5. **Surety** (if applicable, a copy of the payment bond is attached)  
 Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_ Amount of Bond \$ \_\_\_\_\_
6. **Lender**  
 Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_
7. **Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by §713.13(1)(a)7, Florida Statutes.**  
 Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_
8. **In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in §713.13(1)(b), Florida Statutes.**  
 Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 Address \_\_\_\_\_
9. **Expiration date of notice of commencement** (the expiration date may not be before the completion of construction and final payment to the contractor, but will be 1 year from the date of recording unless a different date is specified): \_\_\_\_\_

State of FLORIDA, County of ORANGE  
 I hereby certify that this is a true copy of the document as reflected in the Official Records  
 PHIL DIAMOND, COUNTY COMPTROLLER  
 BY William E. Bond IV, D.C.  
 DATED: 4/6/17

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

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

Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer, Director, Partner, Manager: [Signature] President  
 Signatory's Title/Office

The foregoing instrument was acknowledged before me this 31 day of March, 2017 by William E Bond IV  
 as President for WBRE Investments Inc  
Type of authority, e.g., officer, trustee, attorney in fact month/year name of person  
Signature of Notary Public - State of Florida Name of party or behalf of whom instrument was executed

Personally Known \_\_\_\_\_ OR Produced ID X  
 Type of ID Produced FL DL

**JEFF MCALISTER**  
 Notary Public, State of Florida  
 Commission # FF 178861  
 My comm. expires Nov. 16, 2018

IN THE CIRCUIT COURT OF THE  
NINTH JUDICIAL CIRCUIT IN AND  
FOR ORANGE COUNTY, FLORIDA

CASE NO: 2016-CA-002732-O

**HSBC BANK USA, NATIONAL ASSOCIATION AS TRUSTEE FOR WELLS FARGO  
ASSET SECURITIES CORPORATION, MORTGAGE PASS-THROUGH CERTIFICATES,  
SERIES 2006-15**  
Plaintiff

Vs.

**THE HAROLD SAMUEL WILKINSON REVOCABLE LIVING TRUST; HAROLD S.  
WILKINSON A/K/A HAROLD SAMUEL WILKINSON; GOLDMAN SACHS MORTGAGE  
COMPANY; THE UNKNOWN SPOUSE OF HAROLD S. WILKINSON A/K/A HAROLD  
SAMUEL WILKINSON; ANY AND ALL UNKNOWN PARTIES CLAIMING BY, THROUGH,  
UNDER, OR AGAINST THE HEREIN NAMED INDIVIDUAL DEFENDANT(S) WHO ARE NOT  
KNOWN TO BE DEAD OR ALIVE, WHETHER SAID UNKNOWN PARTIES MAY CLAIM AN  
INTEREST AS SPOUSES, HEIRS, DEVISEES, GRANTEES, OR OTHER CLAIMANTS**  
Defendant

**CERTIFICATE OF TITLE**

The undersigned, clerk of the court certifies that he or she executed and filed a certificate of sale in this action on 02/15/2017, for the property described herein and that no objections to the sale have been filed within the time allowed for filing objections.

Sale Price: \$211,100.00

The following property in Orange County, Florida:

Lot 292, LAKE CONWAY ESTATES SECTION FIVE, according to the plat thereof as recorded in Plat Book Y, Page 112, of the Public Records of Orange County, Florida

Property address: 5019 DORIAN AVENUE  
BELLE ISLE, FL 32812-1116

Was sold to:

**WBRE INVESTMENTS INC. 10% INT MRSF1 LLC 90% INT**  
P.O. Box 770262  
Winter Garden, FL 34777

WITNESS my hand and the seal of the court on 2/28/2017.



**Tiffany Moore Russell**  
Clerk of the Circuit Court

s/ Jeam Torres, Deputy Clerk  
By: 2017.02.28 08:52:05 -05'00'  
Deputy Clerk



## City of Belle Isle

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### Product Approval Form

DATE: 4-6-17

PERMIT # 2017-04-022

PROJECT ADDRESS 5019 DORIAN DRIVE

Belle Isle, FL  32809  32812

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72m, please provide the information and approval numbers of the building components listed below if they will be utilized on the building or structure. FL Approved products are listed online at [www.floridabuilding.org](http://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 #
<b>EXTERIOR DOORS</b>				<b>WALL PANELS</b>			
Swinging				Sliding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
<b>WINDOWS</b>				<b>ROOFING PRODUCTS</b>			
Single/Dbf Hung				Asphalt Shingles			
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Other	<i>Certainteed</i>		<i>2533-R17</i>
Skylights					<i>Black Diamond Base</i>		
Other					<i>Flintlastic GTA FR</i>		
<b>STRUCTURAL COMPONENTS</b>				<b>OTHER</b>			
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 *Monty Park*

Date 4-6-17



**Product Approval**  
USER: Public User

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



**FL #** FL2533-R17  
**Application Type** Revision  
**Code Version** 2014  
**Application Status** Approved



**Comments**  
Archived

**Product Manufacturer** CertainTeed Corporation-Roofing  
**Address/Phone/Email** 18 Moores Road  
 Malvern, PA 19355  
 (610) 651-5847  
 mark.d.harner@saint-gobain.com

**Authorized Signature** Mark Harner  
 mark.d.harner@saint-gobain.com

**Technical Representative** Mark D. Harner  
**Address/Phone/Email** 18 Moores Road  
 Malvern, PA 19355  
 (610) 651-5847  
 Mark.D.Harner@saint-gobain.com

**Quality Assurance Representative**  
**Address/Phone/Email**

**Category** Roofing  
**Subcategory** Modified Bitumen Roof System

**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** 07/03/2017  
**Validated By** John W. Knezevich, PE  
 ✓ Validation Checklist - Hardcopy Received

**Certificate of Independence** [FL2533 R17 COI 2017 01 COI Nieminen.pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM D6162	2000
	ASTM D6163	2000
	ASTM D6164	2005
	ASTM D6222	2008
	ASTM D6509	2009
	FM 4470	1992
	FM 4474	2004

**Equivalence of Product Standards**



Certified By

Sections from the Code

Product Approval Method Method 1 Option D

Date Submitted 02/16/2017  
Date Validated 02/16/2017  
Date Pending FBC Approval 02/21/2017  
Date Approved 04/04/2017

**Summary of Products**

FL #	Model, Number or Name	Description
2533.1	Flintlastic Modified Bitumen Roof Systems	Modified Bitumen Roof Systems
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> +N/A/-630 <b>Other:</b> 1.) Refer to ER Section 5 for Limits of Use. 2.) The design pressure noted in this application relates to one specific system. Refer to the ER Appendix for all systems and max design pressures.		<b>Installation Instructions</b> <a href="#">FL2533 R17 II 2017 02 FINAL A1 ER CERTAINTFEED MODBIT FL2533-R17.pdf</a> Verified By: Robert Nieminen, PE PE-59166 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL2533 R17 AE 2017 02 FINAL ER CERTAINTFEED MODBIT FL2533-R17.pdf</a> Created by Independent Third Party: Yes



Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:



Credit Card  
**Safe**



**APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE**

Table	Deck	Application	Type	Description	Page
1A	Wood	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	5-6
1B	Wood	New, Reroof (Tear-Off) or Recover	B	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	7
1C	Wood	New, Reroof (Tear-Off) or Recover	C	Mech. Attached Insulation, Bonded Roof Cover	8-9
1D	Wood	New, Reroof (Tear-Off) or Recover	D	Prelim. Attached Insulation, Mech. Attached Base Sheet, Bonded Roof Cover	10-12
1E-1	Wood	New, Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	13-15
1E-2	Wood	New, Reroof (Tear-Off) or Recover	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	16-17
1F	Wood	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	17
2A	Steel or Conc.	New, Reroof (Tear-Off) or Recover	B	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	18-20
2B	Steel or Conc.	New, Reroof (Tear-Off) or Recover	C	Mech. Attached Insulation, Bonded Roof Cover	21-25
2C	Steel or Conc.	New, Reroof (Tear-Off) or Recover	D	Prelim. Attached Insulation, Mech. Attached Base Sheet, Bonded Roof Cover	26-28
3A	Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	29-36
3B	Concrete	New or Reroof (Tear-Off)	A-3	Bonded Temp Roof/Vapor Barrier, Bonded Insulation, Bonded Roof Cover	37
3C	Concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	37
4A	LWIC	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	38-39
4B	LWIC	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	40
4C	LWIC	New, Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	41-44
5A	CWF	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	45
5B	CWF	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	46
5C	CWF	New, Reroof (Tear-Off) or Recover	C	Mech. Attached Insulation, Bonded Roof Cover	46
5D	CWF	New, Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	47
6A	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	48-49
6B	Gypsum	Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	50
6C	Gypsum	Reroof (Tear-Off)	C	Mech. Attached Insulation, Bonded Roof Cover	50
6D	Gypsum	Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	51
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	52-58
7B	Various	Recover	F	Non-Insulated, Bonded Roof Cover	58

**The following notes apply to the systems outlined herein:**

- The roof system evaluation herein pertains to above-deck roof components. Roof decks shall be in accordance with FBC requirements to the satisfaction of the AHJ. Load resistance of the roof deck shall be documented through proper codified and/or FBC Approval documentation.
- Unless otherwise noted, fasteners and stress plates for insulation attachment shall be as follows. Fasteners shall be of sufficient length for the following engagements:
  - Wood Deck:
    - OMG #14 Roofgrip with Flat Bottom Plate (Accutrack), OMG HD with OMG 3 in. Galvalume Steel Plate, Dekfast #14 with Hex Plate or 3" Round Insulation Plate, Trufast HD with Trufast 3" Metal Insulation Plates or FlintFast #14 Fastener with FlintFast 3" Insulation Plates. Minimum 0.75-inch plywood penetration or minimum 1-inch wood plank embedment.
    - OMG #12 or #14 Roofgrip with Recessed or Flat Bottom Plate (Accutrack), OMG #12 Standard or HD with OMG 3 in. Galvalume Steel Plate, Dekfast #12 or #14 with Hex Plate or 3" Round Insulation Plate, Trufast DP or HD with Trufast 3" Metal Insulation Plates or FlintFast #12 or #14 Fastener with FlintFast 3" Insulation Plates. Minimum 0.75-inch steel penetration and engage the top flange of the steel deck.
  - Steel Deck:
    - OMG #14 Roofgrip with Recessed or Flat Bottom Plate (Accutrack), OMG HD or CD-10 with OMG 3 in. Galvalume Steel Plate, Dekfast #14 or DekSpike with Hex Plate or 3" Round Insulation Plate, Trufast HD or CF with Trufast 3" Metal Insulation Plates or FlintFast #14 Fastener with FlintFast 3" Insulation Plates. Minimum 1-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions.
  - Concrete Deck:
    - OMG #14 Roofgrip with Recessed or Flat Bottom Plate (Accutrack), OMG HD or CD-10 with OMG 3 in. Galvalume Steel Plate, Dekfast #14 or DekSpike with Hex Plate or 3" Round Insulation Plate, Trufast HD or CF with Trufast 3" Metal Insulation Plates or FlintFast #14 Fastener with FlintFast 3" Insulation Plates. Minimum 1-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions.





3. Unless otherwise noted, insulation may be any one layer or combination of polyisocyanurate, polystyrene, wood fiberboard, perlite, GlasRoc Roof Board or gypsum-based roof board that meets the QA requirements of F.A.C. Rule 61G20-3 and is documented as meeting FBC 1505.1 and, for foam plastic, FBC 2603.4.1 or 2603.8, when installed with the roof cover.
4. Minimum 200 psi, minimum 2-inch lightweight insulating concrete may be substituted for rigid insulation board for System Type D (mechanically attached base sheet, bonded roof cover), whereby the base sheet fasteners are installed through the LWIC to engage the structural steel or concrete deck. The structural deck shall be of equal or greater configuration to the steel and concrete deck listings.
5. Unless otherwise noted, insulation adhesive application rates are as follows. Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
  - > Hot asphalt (HA):
  - > Ashland Pliodeck (A-PD):
  - > Dow Insta-Stik (D-IS):
  - > Dow Spray-N-Grip (D-SG):
  - > Millennium One Step Foamable Adhesive (M-OSFA):
  - > Millennium PG-1 Pump Grade Adhesive (M-PG1):
  - > OMG OlyBond 500 or OlyBond Green (OB500):
  - > 3M CR-20:

*Note: When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, adhesive ribbons shall be staggered from layer-to-layer a distance of one-half the ribbon spacing.*

*Note: The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.*

Full coverage at 25-30 lbs/square	
Continuous 0.75 inch wide ribbons, 12-inch o.c.	Continuous 0.75 to 0.5-inch wide ribbons, 12-inch o.c.
Continuous 0.75 to 1 inch wide ribbons, 12-inch o.c.	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.
Full coverage	Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart or SpotShot)
	Continuous 2.5 to 3-inch wide ribbons, 12-inch o.c. (Note: TITESET may be used where CR-20 is referenced).
6. Unless otherwise noted, all insulations are flat stock or taper board of the minimum thickness noted. Tapered polyisocyanurate at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations. In no case shall these values be used to 'increase' the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the table:
 

> Ashland Pliodeck (A-PD) @ 12-inch o.c.	MDP -105.0 psf (Min. 1.0-inch)
> Ashland Pliodeck (A-PD) @ 6-inch o.c.	MDP -277.5 psf (Min. 1.0-inch)
> Dow Insta-Stik (D-IS):	MDP -120.0 psf (Min. 1.0-inch)
> Millennium One Step Foamable Adhesive (M-OSFA):	MDP -157.5 psf (Min. 1.0-inch)
> Millennium PG-1 Pump Grade Adhesive (M-PG1):	MDP -157.5 psf (Min. 1.0-inch)
> OMG OlyBond 500 (OB500):	MDP -45.0 psf (Min. 0.5-inch Multi-Max FA3)
> OMG OlyBond 500 (OB500):	MDP -187.5 psf (Min. 0.5-inch ISO 95+ GL)
> OMG OlyBond 500 (OB500):	MDP -315.0 psf (Min. 0.5-inch ENRGY 3)
> OMG OlyBond 500 (OB500):	MDP -487.5 psf (Min. 0.5-inch ACFOAM II)
> 3M CR-20:	MDP -117.5 psf (Min. 1.0-inch)
7. Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.
8. For mechanically attached components or partially bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed the Zone 1 design pressure determined in accordance with FBC Chapter 16, and Zones 2 and 3 shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are RAS 117 and FM LPDS 1-29. Assemblies marked with an asterisk\* carry the limitations set forth in Section 2.2.1.5.1(a) of FM LPDS 1-29 for Zone 2/3 enhancements.
9. For fully bonded assemblies, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16, and no rational analysis is permitted.
10. For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with TAS 105 or ANSI/SPRI FX-1.



11. For existing substrates in a bonded recover or re-roof installation, the existing roof surface or existing roof deck shall be examined for compatibility and bond performance with the selected adhesive, and the existing roof system (for recover) shall be capable of resisting project design pressures on its own merit to the satisfaction of the AHJ, as documented through field uplift testing in accordance with ASTM E907, FM LPDS 1-52, ANSI/SPRI IA-1 or TAS 124.
12. For Recover Applications using System Type D, the insulation is optional; however, the existing roof system shall be suitable for a recover application.
13. Unless otherwise noted, refer to the following references for bonded base, ply or cap sheet applications.

CERTAINTED FLINTLASTIC® MODIFIED BITUMEN COMPONENTS & APPLICATION METHODS			
Reference	Layer	Material	Application
BP-AA (Base and Ply sheets, Asphalt-Applied)	Base	Glasbase; All Weather/Empire Base; Flexiglas Base; Flintlastic Base 20	Hot asphalt at 20-40 lbs/square
	Ply	Flintglas Ply Sheet Type IV; Flintglas Premium Ply Sheet Type VI	
BP-AA2 (Base, Spot-Asphalt-Applied)	Base	Yosemite Venting Base	Hot asphalt in 24-inch diameter spots in 30-inch grid pattern
BP-AA3 (Base, Spot-Asphalt-Applied)	Base	Yosemite Venting Base	Hot asphalt in 9-inch diameter spots in grid pattern noted herein.
BP-AA4 (Base, Strip-Asphalt-Applied)	Base	Yosemite Venting Base	Hot asphalt in 9-inch wide ribbons spaced as noted herein.
BP-CA2	Base/Ply	Glasbase; All Weather/Empire Base; Flexiglas Base; Flintlastic Base 20	Henry #903 Adhesive at 1.5 gal./square
BP-CA3	Base/Ply	Glasbase; All Weather/Empire Base; Flexiglas Base; Flintlastic Base 20	Millennium Hurricane Force Membrane Adhesive, beads spaced 6-inch o.c.
SBS-AA (SBS, Asphalt-Applied)	Base	Flintlastic Base 20; Flintlastic Poly SMS Base; Flintlastic Ultra Poly SMS Base	Hot asphalt at 20-40 lbs/square
	Ply	Flintlastic Base 20; Flintlastic Poly SMS Base; Flintlastic Ultra Poly SMS Base	
	Cap	Flintlastic Cap 30; Flintlastic Cap 30 CoolStar; Flintlastic FR Cap 30; Flintlastic FR Cap 30 CoolStar; Flintlastic FR Dual Cap; Flintlastic FR-P; Flintlastic FR-P CoolStar; Flintlastic Premium FR-P; Flintlastic Premium FR-P CoolStar; Flintlastic GMS; Flintlastic GMS CoolStar; Flintlastic Premium GMS; Flintlastic Premium GMS CoolStar	
SBS-CA1 (SBS, Cold-Applied)	Base	Flintlastic Base 20; Flintlastic Poly SMS Base; Flintlastic Ultra Poly SMS Base	FlintBond Brush or Karnak No. 81 Cold Process Modified Bitumen Adhesive Brush Grade at 1 gal./square
	Note:	Base ply cures overnight prior to application of the cap ply.	
	Cap	Flintlastic FR Cap 30; Flintlastic FR Cap 30 CoolStar; Flintlastic FR Dual Cap; Flintlastic FR-P; Flintlastic FR-P CoolStar; Flintlastic Premium FR-P; Flintlastic Premium FR-P CoolStar	
SBS-CA2 (SBS, Cold-Applied)	Base	Flintlastic Base 20; Flintlastic Poly SMS Base; Flintlastic Ultra Poly SMS Base	Henry #903 Adhesive at 1.5 gal./square.
	Ply	Flintlastic Base 20; Flintlastic Poly SMS Base; Flintlastic Ultra Poly SMS Base	
	Cap	Flintlastic Cap 30; Flintlastic Cap 30 CoolStar; Flintlastic FR Cap 30; Flintlastic FR Cap 30 CoolStar; Flintlastic FR Dual Cap; Flintlastic FR-P; Flintlastic FR-P CoolStar; Flintlastic Premium FR-P; Flintlastic Premium FR-P CoolStar; Flintlastic GMS; Flintlastic GMS CoolStar; Flintlastic Premium GMS; Flintlastic Premium GMS CoolStar	
SBS-CA3 (SBS, Cold-Applied)	Base	Flintlastic Base 20; Flintlastic Poly SMS Base; Flintlastic Ultra Poly SMS Base	Millennium Hurricane Force Membrane Adhesive, beads spaced 6-inch o.c.
	Ply	Flintlastic Base 20; Flintlastic Poly SMS Base; Flintlastic Ultra Poly SMS Base	
	Cap	Flintlastic Cap 30; Flintlastic Cap 30 CoolStar; Flintlastic FR Cap 30; Flintlastic FR Cap 30 CoolStar; Flintlastic FR Dual Cap; Flintlastic FR-P; Flintlastic FR-P CoolStar; Flintlastic Premium FR-P; Flintlastic Premium FR-P CoolStar; Flintlastic GMS; Flintlastic GMS CoolStar; Flintlastic Premium GMS; Flintlastic Premium GMS CoolStar	

CERTAINTEED FLINTLASTIC® MODIFIED BITUMEN COMPONENTS & APPLICATION METHODS (CONTINUED)			
Reference	Layer	Material	Application
SBS-TA (SBS, Torch-Applied)	Base	Flintlastic Ultra Poly SMS Base; Flintlastic Base 20 T	Torch-Applied
	Ply	Flintlastic Ultra Poly SMS Base; Flintlastic Base 20 T	
	Cap	Flintlastic FR Cap 30 T; Flintlastic FR Cap 30 T CoolStar; Flintlastic GTS; Flintlastic GTS CoolStar; Flintlastic GTS-FR; Flintlastic GTS-FR CoolStar; FlintClad	
APP-TA (APP, Torch-Applied)	Base	Flintlastic APP Base T; Flintlastic STA; Flintlastic STA Plus	Torch-Applied
	Cap	Flintlastic STA; Flintlastic STA Plus; Flintlastic GTA; Flintlastic GTA CoolStar; Flintlastic GTA-FR; Flintlastic GTA-FR CoolStar	
SBS-SA-H (SBS, Self-Adhering, Hybrid Systems)	Base/Ply	Black Diamond Base Sheet; Flintlastic Ultra Glass SA	Self-Adhering
SBS-SA (SBS, Self-Adhering)	Base	Flintlastic SA PlyBase; Flintlastic SA Mid Ply	Self-Adhering
	Ply	Flintlastic SA PlyBase; Flintlastic SA Mid Ply	
	Cap	Flintlastic SA Cap; Flintlastic SA Cap CoolStar; Flintlastic SA Cap FR; Flintlastic SA Cap FR CoolStar	

14. Insulation is optional for Recover or Concrete Deck Applications using System Type D (Mechanically Attached Base Sheet, Bonded Roof Cover).

15. "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind loads.





TABLE 1E-2: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER									
SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER									
System No.	Deck (See Note 1)	Base Sheet			Attach	Roof Cover			MDP (psf)
		Base	Fasteners			Ply	Cap		
<b>SELF-ADHERING SYSTEMS:</b>									
W-74	Min. 19/32-inch plywood at max 24-inch spans	Flintlastic SA NailBase	See Note 2	8-inch o.c. at min. 3-inch lap and 8-inch o.c. in two, equally spaced, staggered center rows. Stress plates shall be primed with FlintPrime (ASTM D41) primer or FlintPrime SA	(Optional) SBS-SA	SBS-SA			-82.5*
W-75	Min. 15/32-inch plywood at max 24-inch spans	Flintlastic SA NailBase	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast 3" Metal Insulation Plates with DP or HD; OMG 3 in. Round Metal Plates with OMG #14 HD	6-inch o.c. at min. 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows. Stress plates shall be primed with FlintPrime (ASTM D41) primer or FlintPrime SA.	(Optional) SBS-SA	SBS-SA			-97.5*
W-76	Min. 15/32-inch plywood at max 24-inch spans	Flintlastic SA NailBase	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast 3" Metal Insulation Plates with DP or HD; OMG 3 in. Round Metal Plates with OMG #14 HD	6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows. Stress plates shall be primed with FlintPrime (ASTM D41) primer or FlintPrime SA.	(Optional) SBS-SA	SBS-SA			-127.5*
<b>HYBRID SYSTEMS:</b>									
W-77	Min. 15/32-inch plywood at max 24-inch spans	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast 3" Metal Insulation Plates with DP or HD; OMG 3 in. Round Metal Plates with OMG #14 HD	6-inch o.c. at 4-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows. Stress plates shall be primed with FlintPrime (ASTM D41) primer or FlintPrime SA.	SBS-SA-H	SBS-AA, SBS-TA or APP-TA			-97.5
W-78	Min. 19/32-inch plywood at max 24-inch spans	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base	See Note 2	7-inch o.c. at 3-inch lap and 7-inch o.c. in three, equally spaced, staggered center rows	SBS-SA-H	SBS-AA, SBS-TA or APP-TA			-105.0
W-79	Min. 15/32-inch plywood at max 24-inch spans	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast 3" Metal Insulation Plates with DP or HD; OMG 3 in. Round Metal Plates with OMG #14 HD	6-inch o.c. at 4-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows. Stress plates shall be primed with FlintPrime (ASTM D41) primer or FlintPrime SA.	SBS-SA-H	SBS-AA, SBS-TA or APP-TA			-127.5
<b>CONVENTIONAL SYSTEMS:</b>									
W-80	Min. 23/32-inch exterior grade plywood at max. 24-inch spans	Glasbase; All Weather/Empire Base; Flexiglas Base; Flintlastic Base 20; Yosemite	See Note 2	12-inch o.c. at 4-inch lap and 36-inch o.c. in two, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA			-30.0*
W-81	Min. 23/32-inch exterior grade plywood at max. 24-inch spans	Glasbase; All Weather/Empire Base; Flexiglas Base; Flintlastic Base 20; Yosemite	See Note 2	12-inch o.c. at 4-inch lap and 24-inch o.c. in two, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA			-45.0*



CertainTeed

# Black Diamond Base Sheet

Self-Adhering SBS Modified Bitumen Base Sheet

**CertainTeed**  
SAINT-GOBAIN



# Fast application. Full adhesion. Black Diamond Base Sheet is versatile and strong.

## Self-Adhering, SBS Modified Bitumen

CertainTeed Black Diamond Base Sheet is designed for use as a heat-activated, self-adhering base sheet for modified bitumen or built-up roofing membranes. Black Diamond Base Sheet can be used as the base ply over non-nailable and insulated substrates or as an inter ply sheet in certain assemblies as published by CertainTeed.

## Features and Benefits

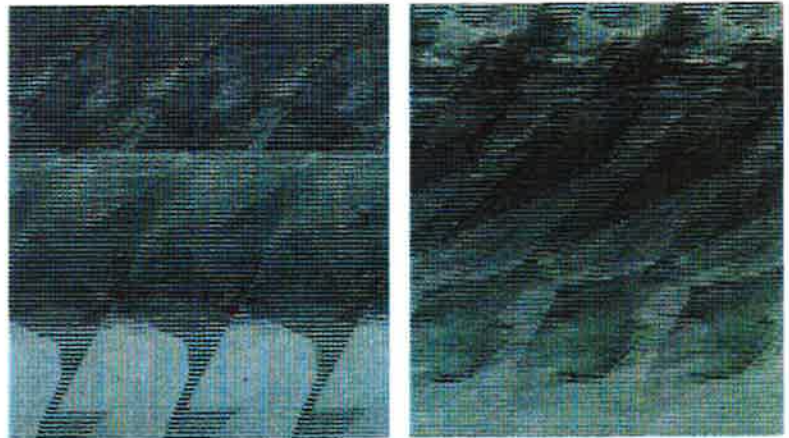
- **Excellent durability**—Provides strength as well as improved handling, pliability and moisture resistance when used as the base ply over non-nailable and insulated substrates.
- **Extended exposure and dry-in**—Can be installed as a temporary roof and exposed up to 60 days. Immediately becomes watertight when head and side laps are heat-activated.

## Specifications

**Roll Coverage:** 2 squares

**Thickness:** 1.4mm (60 mils)

**Roll Weight:** 78 lbs. per roll



## Versatility

- Suitable for use in the construction of various types of systems over a variety of substrates.
- Can be used as a vapor retarder under roof insulation.
- Great under metal coping.
- Can install over mechanically fastened polyisocyanurate glass faced insulation.

## Hassle Free Installation

- Self-adhering application reduces labor installation time and cost.
- High-tack characteristics for smoother, more uniform applications without the need for adhesives or hot asphalt.
- Fully adheres to high density wood fiber, polyisocyanurate glass faced, Dens Deck Primed™ and Dens Deck Duraguard™, Securock™, primed concrete deck and other roof and recovery boards.



Please refer to the CertainTeed Commercial Roof Systems Specification Manual for product data sheets and complete specification details. Product application must comply with CertainTeed installation instructions.

Dens Deck Primed and Dens Deck Duraguard are trademarks of Georgia-Pacific. Securock is a trademark of U.S. Gypsum.

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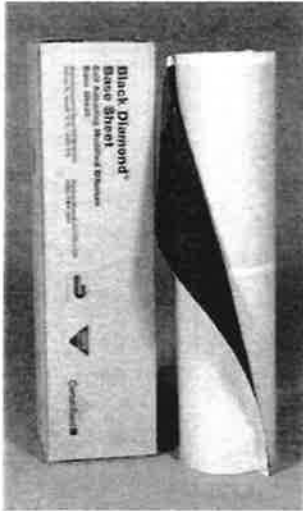
**CertainTeed**  
SAINT-GOBAIN  
**Commercial Roofing**



## BLACK DIAMOND® BASE SHEET

### SBS MODIFIED BITUMEN SELF-ADHERING FIBERGLASS BASE SHEET FOR HOT ASPHALT AND TORCH APPLICATIONS

#### Product Information



**Product Use:** Black Diamond® Base Sheet is designed for use as a heat-activated base ply for modified bitumen or built-up roofing systems. It is suitable for use in the construction of various types of membranes for both new construction and reroofing over a variety of substrates. Black Diamond Base Sheet will provide additional strength, improved handling, pliability and moisture resistance when used as the first ply over non-nailable and insulated substrates. Black Diamond Base Sheet also may be used as a vapor retarder under roof insulation.

**Limitations:** Black Diamond Base Sheet is attached by a self-adhering method. It is not intended for attachment with hot asphalt, cold adhesive, coal tar pitch or mechanical fasteners. Rolls should be stored upright off the ground and completely protected from the weather. Roof decks must be structurally sound, dry, smooth and meet or exceed minimum requirements of the deck manufacturer, local code and CertainTeed. Black Diamond Base Sheet is a self-adhering base sheet featuring a peel-off backing.

**Product Composition and Features:** Black Diamond Base Sheet is manufactured on a dimensionally-stable, fiberglass reinforced mat that receives a coating of SBS modified bitumen compound and is surfaced with fine mineral particles. The fiberglass base mat provides uniform strength and moisture resistance. Black Diamond Base Sheet modified bitumen compound provides increased durability with improved pliability and high-tack characteristics for smoother, more uniform applications without the need of adhesives or hot asphalt.

<b>Roll Dimensions:</b>	39 $\frac{3}{8}$ " x 68' 7" (225 square feet)
<b>Nominal Coverage:</b>	Two squares
<b>Approximate Weight:</b>	78 lbs. per roll
<b>Top Surface:</b>	Fine black mineral particles
<b>Back Surface:</b>	Release film

**Applicable Standards:** Meets ASTM D1970 and ASTM D4601, Type 1. Black Diamond Base Sheet is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies, Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 2533 and FL 16709) and Texas Department of Insurance (RC-47).

**Packaging:** Black Diamond Base Sheet rolls are individually packaged in corrugated boxes.

#### Technical Data

The following information represents typical average properties of Black Diamond Base Sheet.

**Modified Bitumen Coating:** Non-oxidized (flux) asphalt, blended with a compatible elastomeric styrene-butadiene-styrene polymer and selected inert fillers.

**Support Mat:** Dimensionally-stable, fiberglass reinforced mat.

Test Description	Test Method	Results*
Thickness:	ASTM D1970	1.4 mm (50 mils)
Tensile Strength:	ASTM D5147 @ 73.4 +/- 3.6°F MD/XD	50/30 lbs./in.
H <sub>2</sub> O Absorption:	0.1%	
Dimensional Stability:	ASTM D5147	MD 0.1%/XD 0.1%
Adhesion to Plywood:	ASTM D1970	30 lbs./ft.
Tear Resistance:	ASTM D5147 MD/XD	80/50 lbs./ft.

\*NOTE: Published results are nominal production values confirmed by independent laboratory testing.



## **Product Application**

Roof systems constructed with Black Diamond Base Sheet as the base ply must be applied in accordance with installation procedures listed in the CertainTeed Commercial Roof Systems Specifications. The following information is intended for general information purposes only and is not all-inclusive.

**Preparation:** Substrates to receive a roof system must be firmly attached, smooth, dry, clean and free of sharp projections and depressions. Flashing details must be in place, ready to receive roofing with roof accessories available prior to application of materials. Substrates requiring priming must be primed with asphalt primer such as FlintPrime® and be allowed to completely dry. Substrates must provide positive drainage. Roof insulation must be tapered to drains.

**Installation:** Black Diamond Base Sheet must be installed with 4" side laps and 6" end laps, with end laps diagonally staggered not less than 3' apart. Black Diamond Base Sheet must be applied to a clean, non-nailable substrate by peeling off the siliconized backer that exposes a specially formulated SBS high-tack self adhesive surface, which is normally heat activated by the sun. Therefore, on hot sunny days, adhesion occurs quickly. In addition, mopping or torching a finished membrane to the base is more than sufficient to induce the adhesive's bite and set. During cool weather, the top surface of the Black Diamond Base Sheet can be heated in order to activate the adhesive at the bottom of the product.

**Precautions:** Cold weather applications require special handling to prevent damage to the rolls and ensure satisfactory installation. Do not apply roofing systems over improperly prepared substrates or substrates that contain moisture. Self-adhered membranes can act as a vapor barrier, it is the sole responsibility of the architect, contractor and owner to ensure adequate and appropriate substrate and roof system ventilation.

**Maintenance:** CertainTeed Commercial Roof Systems do not require any additional maintenance beyond normal roof maintenance procedures. CertainTeed recommends regular roof maintenance and inspection to determine the condition of drains, flashings and other similar items, and to prolong the life expectancy of the roof system.

## **Warranties**

CertainTeed offers Limited (product only) and No Dollar Limit (NDL, product and workmanship) warranties. Warranty type and duration is dependent on roof system configuration and contractor selection. Only CertainTeed Gold and Silver Star Contractors are eligible to apply for NDL warranties on specific roof projects. For more information, see CertainTeed Commercial Roof Systems Specifications or contact Commercial Roofing Technical Services.

## **Technical Assistance and Services**

CertainTeed provides technical assistance in the design, selection, specification and application guidelines of CertainTeed Commercial Roof Systems. Architectural and field representatives are available for consultation within each region. For more information, contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 x2.

## **Caution: Fire Hazard**

Torch-down application of this product may create a risk of fire including smoldering fires. The roofing applicator is solely responsible for ensuring and enforcing safe and proper application of CertainTeed products by competent and qualified personnel. Only properly trained roofing professionals are authorized to install this product.

Never apply flame directly to combustible materials or allow the flame to enter into hidden or protected areas that may contain combustible materials. Follow all local code requirements. Have a Class A-B-C fire extinguisher available to each applicator. Thoroughly inspect the job site whenever torching equipment has been used. Be certain that all chances of a fire have been eliminated.

Refer to the CertainTeed Commercial Roof Systems Specifications, Midwestern Roofing Contractors Association (MRCA) CERTA program, National LP Gas Association, National Roofing Contractors Association (NRCA), National Fire Protection Association (NFPA), and Asphalt Roofing Manufacturers Association (ARMA) for further information and safety recommendations.

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SAINT-GOBAIN

## FLINTLASTIC® GTA-FR™ APP MODIFIED BITUMEN ROLL ROOFING PRODUCTS



### Product Information



**Product Use:** FLINTLASTIC GTA-FR is designed for use as a roofing membrane cap sheet in APP modified bitumen roof system assemblies over various types of substrates for both new construction and reroofing installations. It is suitable for most low slope roof applications and may be used for roof system flashings including wall treatments, base flashings and field flashings.

**Limitations:** FLINTLASTIC GTA-FR is intended for torch application only and should not be exposed to adhesives or solvent based materials. Rolls should be stored upright, off ground, completely protected from the weather. Roof decks shall be structurally sound, dry, smooth and meet or exceed minimum requirements of the deck manufacturer, local code and CertainTeed. Additional specifications and precautions are contained in the CertainTeed Commercial Roof Systems Manual.

**Product Composition and Features:** FLINTLASTIC GTA-FR products are manufactured on state-of-the-art dedicated roofing lines that were exclusively designed for the production of modified bitumen roofing membrane. FLINTLASTIC GTA-FR is produced with a high performance, non-woven polyester mat and a superior grade fire-resistant modified bitumen compound.

**Roll Dimensions:** 39" X 32' 10"  
**Coverage:** One square  
**Approximate Weight:** 105 lbs. per roll  
**Top Surface:** Mineral Granules  
**Back Surface:** Torchable Polyethylene Film

**Applicable Standards:** Meets ASTM D6222, Grade G, Type I. FLINTLASTIC GTA-FR is approved by Underwriters Laboratories for use in various Class A, B, and C roof assemblies, by ICC-ES (ESR-1388), Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 2533), and Texas Department of Insurance (RC-47). FLINTLASTIC GTA-FR White is an approved ENERGY STAR® product for slopes greater than 2"/12". Initial Solar Reflectance: 0.27; Aged Solar Reflectance: 0.25; Thermal Emittance: 0.90. FLINTLASTIC GTA-FR White is also approved by the Cool Roof Rating Council (CRRC). The CRRC product ID is 0668-0020.



**Modified Bitumen Coating:** Non-oxidized (flux) asphalt, blended with various thermoplastic atactic polypropylene polymers and co-polymers.

**Support Mat:** High performance, puncture and tear resistant non-woven polyester mat.

### Technical Data

Test Description	Test Method	Results*
<b>Solar Reflectance Index (SRI):</b>	ASTM E1980	28
<b>Softening Point:</b>	ASTM D36	310°F
<b>Tensile Strength:</b>	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	106/92 lbs./in.
	@ 0 +/- 3.6°F MD/XD	133/116 lbs./in.
<b>Elongation:</b>	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	57%/62%
	@ 0 +/- 3.6°F MD/XD	20%/22%
<b>Dimensional Stability:</b>	ASTM D5147 MD/XD	0.5%/0.3%
<b>Low Temperature Flex:</b>	ASTM D5147	Pass @ 8°F
<b>Compound Stability:</b>	ASTM D5147	250°F
<b>Thickness:</b>	ASTM D5147	4.2mm (168 mils)
<b>Tear Strength:</b>	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	120/95 lbs.

\*NOTE: Published results are nominal production values confirmed by independent laboratory testing.

FLINTLASTIC modified bitumen roofing systems shall be applied in accordance with installation procedures contained in the CertainTeed Commercial Roof Systems Manual. The following information is intended for general information purposes only and is not all-inclusive.



## **Product Application**

**Preparation:** Substrates to receive a roof system shall be firmly attached, smooth, dry, clean and free of sharp projections and depressions. Substrates requiring priming shall be primed with asphalt primer such as FlintPrime™ and be allowed to completely dry. Substrates shall provide positive drainage. Roof shall be tapered to drains.

**Installation:** Unless otherwise specified by CertainTeed, install one ply of GLASBASE or other CertainTeed approved alternate base sheet lapping 2" on sides and 4" on ends. Base sheet shall be mechanically fastened to nailable substrates, and either solid or spot mopped in hot asphalt to non-nailable or insulated substrates as specified in the CertainTeed Commercial Roof Systems Manual. Apply base sheet in such a manner to provide and maintain a minimum 6" offset between side and endlaps of base ply and FLINTLASTIC membrane. If specified, apply Flintlastic STA or STA Plus as an interply layer. Finally, install one ply of FLINTLASTIC GTA-FR lapping 3" on all sides and 6" on ends with endlaps diagonally staggered not less than 3 feet apart. Membrane sidelaps shall be offset from sidelaps of underlying plies. Side and endlaps should be inspected to ensure a minimum ⅓" flow of modified compound has been achieved.

**Precautions:** Cold weather applications require special handling to prevent damage to the rolls and to ensure satisfactory installation. Do not apply roofing systems over improperly prepared substrates or substrates which contain moisture. Follow all safety recommendations relating to the use and maintenance of liquid propane gas torches and equipment. Refer to the CertainTeed Commercial Roof Systems Manual for additional safety information.

**Maintenance:** FLINTLASTIC roof systems do not require any additional maintenance beyond normal, routine roof maintenance procedures. CertainTeed recommends regular roof maintenance and inspection to determine the condition of drains, flashings and other similar items, and to prolong the life expectancy of the roof system.

## **Warranties**

CertainTeed offers a number of different types of roof membrane warranties designed to meet the building owner's specific requirements. Please contact your nearest CertainTeed office for additional information and requirements.

## **Technical Assistance and Services**

CertainTeed provides technical assistance in the design, selection, specification and application guidelines for all CertainTeed Commercial Roof Systems. Architectural and field representatives are available for consultation within each region.

For more information, contact CertainTeed's Technical Support at 800-396-8134 x2.

## **Caution: Fire Hazard**

Torch application of this product may create a risk of FIRE, including SMOLDERING FIRES. The roofing applicator is solely responsible for ensuring and enforcing safe and proper application of CertainTeed roofing products by competent and qualified personnel. Only properly trained roofing professionals are authorized to install this product.

Never apply flame directly to combustible materials or allow the flame to enter into hidden or protected areas that may contain combustible materials. Follow all local code requirements. Have a Class A-B-C fire extinguisher available to each applicator. Thoroughly inspect the job site whenever torching equipment has been used. Be certain that all chances of a fire have been eliminated.

Refer to the CertainTeed's Commercial Roof Systems Manual, Midwestern Roofing Contractors Association (MRCA) CERTA program, National LP Gas Association, National Roofing Contractors Association (NRCA), National Fire Protection Association (NFPA), and Asphalt Roofing Manufacturers Association (ARMA) for further information and safety recommendations.

### **ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:**

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • FOUNDATIONS  
GYPSUM • CEILINGS • INSULATION • PIPE

[www.certainteed.com](http://www.certainteed.com) <http://blog.certainteed.com>

CertainTeed Corporation  
P.O. Box 860  
Valley Forge, PA 19482

Professional: 800-233-8990  
Consumer: 800-782-8777

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Code No. COMM-033



SAINT-GOBAIN



# CERTIFICATE OF LIABILITY INSURANCE

MJPWI-2

OP ID: LS

DATE (MM/DD/YYYY)

03/31/2017

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

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

<b>PRODUCER</b> Walker Ins. & Fncl. Svcs., Inc P.O. Box 149124 Orlando, FL 32814-9124 Doug C. Gomber, CPCU, CIC, CRM		<b>CONTACT NAME:</b> Doug C. Gomber, CPCU, CIC, CRM <b>PHONE (A/C No. Ext):</b> 407-849-1988 <b>E-MAIL ADDRESS:</b> <b>FAX (A/C No.):</b> 407-849-1972	
<b>INSURED</b> MJP Windows & Construction, Inc 208 Teakwood Court Lake Mary, FL 32746-3348		<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A: Western Heritage Ins. Co. INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	

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

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROTECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER		AGL0012991-02	05/12/2016	05/12/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMSES (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 COMBINED SINGLE LIMIT (EA accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ UMBRELLA LIAB \$ EXCESS LIAB \$ DEF RETENTION \$ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below
	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					EACH OCCURRENCE \$ AGGREGATE \$ PER STATUTE \$ B/L EACH ACCIDENT \$ B/L DISEASE - EA EMPLOYEE \$ B/L DISEASE - POLICY LIMIT \$

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

**CERTIFICATE HOLDER****CANCELLATION**

CITYB-5

City of Belle Isle  
 1600 Nela Ave.  
 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



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:** 4/8/2016                      **EXPIRATION DATE:** 4/8/2018  
**PERSON:** PENHALIGON                      MARTIN                      J  
**FEIN:** 593503465

**BUSINESS NAME AND ADDRESS:**  
MJP WINDOWS & CONSTRUCTION, INC.

208 TEAKWOOD COURT  
LAKE MARY                      FL                      32746

**SCOPES OF BUSINESS OR TRADE:**

LICENSED RESIDENTIAL      LICENSED ROOFING      DOOR AND WINDOW      ROOFING - ALL KINDS  
CONTRACTR                      CONTRACTOR                      INSTALLATION                      AND DRIVER

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



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

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

**(850) 487-1395**

**PENHALIGON, MARTIN JEFFERY  
MJP WINDOWS & CONSTRUCTION INC  
208 TEAKWOOD CT  
LAKE MARY FL 32746**

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](http://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!



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

**CCC057886**

**ISSUED: 05/25/2016**

**CERTIFIED ROOFING CONTRACTOR  
PENHALIGON, MARTIN JEFFERY  
MJP WINDOWS & CONSTRUCTION INC**

IS CERTIFIED under the provisions of Ch. 489 FS.  
Expiration date AUG 31 2018 L160525000931

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

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

**LICENSE NUMBER**

**CCC057886**

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



**PENHALIGON, MARTIN JEFFERY  
MJP WINDOWS & CONSTRUCTION INC  
208 TEAKWOOD CT  
LAKE MARY FL 32746**







# SEMINOLE COUNTY BUSINESS TAX RECEIPT

RAY VALDES, SEMINOLE COUNTY TAX COLLECTOR

PO Box 630 ▪ Sanford, FL 32772-0630 ▪ Telephone: 407-665-1000

www.seminoletax.org

VALID THROUGH 09/30/17

**MJP WINDOWS & CONSTRUCTION, INC**  
208 TEAKWOOD CT  
LAKE MARY, FL 32746

Account #: 133137

MARTIN PENHALIGON (OFFICER)

REGULATED  
License # - CRC057525  
Qualifier- MARTIN PENHALIGON

Receipt #: 10472016081803855

Amount Paid: \$ 45.00

Date Paid: 08/18/2016

### BUSINESS OWNER, PLEASE NOTE THE FOLLOWING:

- **DISPLAY THE ABOVE RECEIPT PROMINENTLY:** This Business Tax Receipt shall be displayed conspicuously at the place of business in such a manner that it can be open to the view of the public and subject to inspection by all duly authorized officers of the County. Upon failure to do so, the business shall be subject to the payment of another business tax for the same business or profession.
- **RENEW THIS TAX BEFORE IT EXPIRES:** Pursuant to Florida Statutes, all Business Tax Receipts shall be issued by the Tax Collector beginning July 1<sup>st</sup> of each year, and it shall expire on September 30<sup>th</sup> of the succeeding year. Those Business Tax Receipts issued as renewal accounts beginning October 1<sup>st</sup> shall be delinquent and subject to a delinquency penalty of 10% for the month of October, plus an additional 5% penalty for each month of delinquency thereafter until paid provided that the total penalty shall not exceed 25% of the business tax for the delinquent establishment (Florida Statute [FS] 205.053 [1]).

A 25% penalty shall be imposed on any individual engaged in any new business or profession without first obtaining a Seminole County Business Tax receipt. ([FS] 205.053 [2])

This Business Tax Receipt is only a receipt for business taxes paid. It does not permit the taxpayer to violate any existing regulatory or zoning laws of the state, county, or municipality, nor does it exempt the taxpayer from any other required licenses, registrations, certifications, or permits. Business Tax requirements are subject to legislative change.

- **REPORT ALL CHANGES:** The holder of this Business Tax Receipt is required to report a change in the following: Ownership, Business Location, Mailing Address, or any other information that would alter the status of the current year's taxes. This includes, but is not limited to, the loss of or a change in a State License which was used to qualify for the business activity and/or occupation identified on the current County Business Tax Receipt. If you have any changes to report, contact the Business Tax Department at 407-665-7636.

**MJP WINDOWS & CONSTRUCTION, INC**  
208 TEAKWOOD CT  
LAKE MARY, FL 32746

Country Services Building  
1101 E First Street  
Sanford, FL 32771

Casselberry Office  
104 Wilshire Blvd, Unit 1000  
Casselberry, FL 32707

Oak Grove Shoppes  
995 N SR 434 Suite 505  
Altamonte Springs, FL 32714

ShelMar Prof'l Building  
1490 Swanson Dr #100  
Oviedo, FL 32765

Commons at Primera  
845 Primera Blvd  
Lake Mary, FL 32746