



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: Re-Roof - 28 Squares - Modified Bitumen

Permit Number: 2014-07-056
 Date of Application: 07/25/2014
 Date Permit Issued: 07/28/2014

Comments: None

Project Information

Address: 6927 Seminole Dr., Belle Isle, FL 32809
 Parcel ID: 29-23-30-4389-03-260
 Property Owner: Husmann, Margarita
 Phone Number: None

 Company Name: Robert Batson Roofing, Inc.
 Contractor Name: Batson, Robert E Jr.
 License Number: CCC1325487
 Address: 2823 E Jersey St Orlando, FL 32806
 Phone Number: 407-423-7570

WARNING TO OWNER: "YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.

BUILDING FEATURES

IMPACT FEES

Traffic \$
 School \$

ZONING FEES

Zoning Fee \$30.00

UNIVERSAL ENG - BUILDING FEES

Boat Dock \$
 Boat House \$
 Building \$
 Demo \$
 Door(s) \$
 Driveway \$
 Electrical \$
 Fence \$
 Gas \$
 Irrigation \$
 Low Voltage \$
 Mechanical \$
 Plumbing \$
 Pool \$
 Roofing \$160.00
 Screen Encl \$
 Shed \$
 Temp Pole \$
 Window(s) \$

SURCHARGE FEES

Surcharge Fee \$2.40
 Surcharge Fee \$2.40

TOTAL FEES \$194.80

Date Paid 7-29-14
 CC or Check # Visa
 Amount Paid \$194.80

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 (F-S 553).

BUILDING INSPECTOR USE ONLY

IF APPLICABLE:

Have Zoning Approval Conditions Been Met? YES NO Have Stormwater Approval Conditions Been Met? YES NO Silt fencing in place? YES NO Turbidity Barrier in place? YES NO

BUILDING

1st _____ (Footing/Foundation)

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

2nd _____ (Slab)

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

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

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

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

7th _____ (Drywall)

8th _____ (Sidewalk/Driveway)

9th _____ (Other)

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

ROOFING OSHA APPROVED ACCESS MUST BE MADE AVAILABLE TO INSPECTOR

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

2nd ROOFING Covering In-Progress _____

3rd ROOFING Covering Final _____

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

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

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

CHECK APPROPRIATE BOX

GAS ___ Natural ___ LP MECHANICAL ELECTRICAL LOW VOLTAGE

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

Inspection requests are to be emailed to BiDscheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. Next-Day Inspection requests must be made by 1pm. Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.

For a copy of your permit, or to check inspection results, please visit <https://universalengineering.sharefile.com/f/ro94edc4-832d-44bd-9809-ecf32f9e2e63>
 login ID = cobi@universalengineering.com password = universall13



City of Belle Isle

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

Received
7-28-14

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: 7-25-14 ROOF PERMIT NUMBER: 2014-07-056
PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below.

Project Address 6927 Seminole Dr. Belle Isle, FL 32809 32812
Property Owner Margarita S. Husman Phone 407
Property Owner's Mailing Address 4391 Benedictine City Orlando
State FL Zip Code 32812 Parcel Id Number: 29 23 30 4389 03 260
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: 28 sqs. Number of Stories: 1 Job Valuation: \$ 8800.00
Type: Asphalt Shingles Metal Modified Bitumen Other: _____

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances. 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 Robert E. Batson Jr. LICENSE # CCC1325487
LICENSE HOLDER NAME Robert E. Batson Jr. COMPANY NAME Robert Batson Roofing
Street Address 2823 E. Jersey Ave.
City Orlando State FL Zip Code 32806 Phone Number 407-423-7570
Email Address ccwaters@cfi-rr.com

Zoning Fee \$ 300
Permit Fee \$ 160
Review Fee \$ n/a
3% Florida Surcharge \$ 4.80
Total Permit Fee \$ 794.80

Building Official: sq Date 7-28-14
Verified Contractor's Licenses & Insurance are on file _____ Date _____

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



CITY OF BELLE ISLE, FLORIDA
 Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
 Tel 407-581-8161 * Fax 407-581-0313 * www.universaleengineering.com

POWER OF ATTORNEY

Date: 7-25-14 Permit #: _____

I hereby name and appoint Cynthia B. Waters of _____

Robert Batson Roofing to be my lawful attorney-in-fact to act for
(company name) (print name)

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

for work to be performed at the following location:
6927 Seminole Dr., Belle Isle, FL 32809 32812 and
(street address)

to sign my name and do all things necessary to this appointment.
 Certified Contractor's Printed Name: Robert E. Batson Jr.

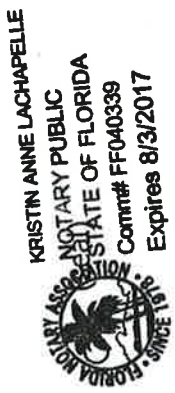
License Number: CCC1325487

Certified Contractor's Signature: Robert E. Batson Jr.

.....

The foregoing instrument was acknowledged before me this 25 days of July of 2014
 by Robert E. Batson Jr. who is personally known to me or who produced
 _____ as identification and who did not take an oath.

State of Florida
 County of Orange
Kristin Lachapelle
 Notary Public, Orange County, Florida



Permit Number: _____
Folio/Parcel ID #: _____
Prepared by: Cynthia B. Waters

Return to: Robert Batson Roofing
2823 E. Jersey Ave.
Orlando, FL 32806

DOC# 20140368503 B: 10778 P: 8793
07/24/2014 08:45:18 AM Page 1 of 1
Rec Fee: \$10.00
Martha O. Haynie, Comptroller
Orange County, FL
MB - Ret To: ROBERT E BATSON JR



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)
6927 Seminole Dr. Belle Isle, FL 32809 29 23 304389 03 260
2. **General description of improvement**
Removal 28 Sq. of Modified Roofing
3. **Owner information or Lessee information if the Lessee contracted for the improvement**

Name Margarita S. Husmann Jr.
Address 4381 Benedictine Circle Orlando, FL 32812

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

Name _____
Address _____

4. **Contractor**
Name Robert E. Batson Jr. Telephone Number 407-423-7520
Address 2823 E. Jersey Ave. Orlando, FL 32806

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

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

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

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

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

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

Margarita Husmann Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Partner/Manager
Owner Signatory's Title/Office

The foregoing instrument was acknowledged before me this 22 day of 7/14 by Margarita S. Husmann month/year name of person

as _____ for _____
Type of authority, e.g., officer, trustee, attorney in fact Name of party on behalf of whom instrument was executed
Cynthia B. Waters Cynthia B. Waters
Signature of Notary Public - State of Florida Print, type, or stamp commissioned name of Notary Public

Personally Known _____ OR Produced ID X
Type of ID Produced Driver's License





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Product Approval Form

DATE: 7-25-15

PERMIT # _____

PROJECT ADDRESS 6927 Seminole Dr.

Belle Isle, FL 32809 32812

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

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

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
EXTERIOR DOORS							
Swinging				Sliding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
WINDOWS							
Single/Dbf Hung				Asphalt Shingles			
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof	Certaineed	Flintlastic	FL 2533-R8
Mullion				Other Tapered	Hunter Panels	H-Shield	FL 5968-R7
Skylights				Insulation			
Other							
STRUCTURAL COMPONENTS							
Wood Connectors				OTHER			
Wood Anchors							
Truss Plates							
Insulation Forms							
Lintels							
Other							

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

Applicant Signature Robert E. Babin Jr.

Date 7-25-15



License Activity Log Date Range

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

FL # FL5968-R7
Application Type Revision
Code Version 2010
Application Status Approved
Comments
Archived

Product Manufacturer Address/Phone/Email
 Hunter Panels
 15 Franklin Street
 Portland, ME 04101
 (717) 245-7000 Ext. 7456
 wert@syntec.carlisle.com

Authorized Signature
 Chad Wert
 wert@syntec.carlisle.com

Technical Representative Address/Phone/Email
 Chad Wert
 P.O. Box 7000
 Carlisle, PA 17013
 (717) 245-7000
 Chad.Wert@syntec.carlisle.com

Quality Assurance Representative Address/Phone/Email

Category Subcategory
 Roofing
 Roofing Insulation

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
 FM Approvals - QA
Quality Assurance Contract Expiration Date
 05/20/2015
Validated By
 John W. Knezevich, PE
 Validation Checklist - Hardcopy Received

Certificate of Independence
[FL5968_R7_COI_Trinity_ERD_CI - Nieminen - 2013.pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM C1289	2007
	ASTM E84	2007
	FM 4450	1992
	TAS 110	2000

Equivalence of Product Standards

Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

04/24/2013

Date Validated

04/24/2013

Date Pending FBC Approval

05/03/2013

Date Approved

06/11/2013

Summary of Products

FL #	Model, Number or Name	Description
5968.1	H-Shield Roof Insulations	Roof Insulation
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to ER Section 5 for Limits of Use.		
Installation Instructions FL5968 R7 II er042413FINAL HUNTER INSULATION FL5968-R7.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL5968 R7 AE er042413FINAL HUNTER INSULATION FL5968-R7.pdf Created by Independent Third Party: Yes		

[Back](#)

[Next](#)

Contact Us :: 1940 North Monroe Street, Tallahassee FL 32399 Phone: 850-487-1824

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 * Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:





EXTERIOR RESEARCH & DESIGN, LLC.
Certificate of Authorization #9503
353 Christian Street, Unit 13
Oxford, CT 06478
PHONE: (203) 262-9245
FAX: (203) 262-9243

EVALUATION REPORT

Hunter Panels
15 Franklin Street
Portland, ME 04101

Evaluation Report C32980.10.11-R2
FL5968-R7
Date of Issuance: 10/18/2011
Revision 2: 04/24/2013

SCOPE:

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

DESCRIPTION: H-Shield Roof Insulations

LABELING: Each unit shall bear labeling in accordance with the requirements the Accredited Quality Assurance Agency noted herein.

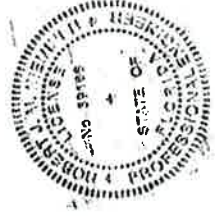
CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to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

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

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

This Evaluation Report consists of pages 1 through 4.

Prepared by:



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 04/24/2013. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client.

Robert J.M. Nieminen, P.E.

Florida Registration No. 59166, Florida DCA ANE1983

CERTIFICATION OF INDEPENDENCE:

1. Exterior Research & Design, LLC. d/b/a Trinity|ERD does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. Exterior Research & Design, LLC. d/b/a Trinity|ERD is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing Insulation
Sub-Category: H-Shield Roof Insulations, as produced by Hunter Panels, have demonstrated compliance with the following sections of the Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1508.1, 2603.3, 2603.4.1.5 & 2612.3.2.5.2	Internal Fire	FM 4450	1992
2603.3 & 2612.2	Flame Spread	ASTM E84	2007
T1508.2	Physical Properties	ASTM C1289	2007
1520.1	Physical Properties	TAS 110	2000

3. REFERENCES:

Entity	Examination	Reference	Date
ERD (TST6049)	Tensile Delamination	C12410.03.09	04/06/2009
ERD (TST6049)	Rupture & Facer Adhesion	C8500SC.11.07-R1	08/07/2007
ERD (TST6049)	ASTM C1289 & TAS 110	C31640.04.10	04/06/2010
ERD (TST6049)	ASTM C1289 & TAS 110	C34020.04.11	04/04/2011
ERD (TST6049)	ASTM C1289 & TAS 110	C35990.05.11	05/31/2011
ERD (TST6049)	ASTM C1289 & TAS 110	2012.C42950SC	08/29/2012
FM Approvals (TST1867)	FM 4450	3009425	06/13/2003
FM Approvals (TST1867)	FM 4450	3019734	06/15/2004
FM Approvals (TST1867)	ASTM E84	3018331	08/30/2004
FM Approvals (TST1867)	ASTM D1929	3021560	08/31/2004
ITS (TST1585)	ASTM E84	100114954SAT-001 B	06/08/2010
ICC-ES (EVL2396)	IBC Compliance	ESR-3174	12/01/2012
Miami-Dade (CER 1592)	HVHZ Compliance	09-0915.15	01/13/2010
FM Approvals (QUA1860)	Quality Control	Inspection Report	08/17/2012

4. PRODUCT DESCRIPTION:

The following insulations are mechanically attached or adhered to approved substrates using fasteners, stress plates and adhesives, as outlined in the Roof System Product Approval.

- 4.1 **H-Shield** is an ASTM C1289, Type II, Class 1, Grade 2 or Grade 3 board stock roof insulation comprised of a polyisocyanurate core faced on both sides with organic felt, glass reinforced facers. Thickness ranges from 1" to 4" and available boards sizes are 4x4 ft and 4x8 ft.
- 4.2 **H-Shield (Tapered)** is an ASTM C1289, Type II, Class 1, Grade 2 or Grade 3 tapered board stock roof insulation comprised of a polyisocyanurate core faced on both sides with organic felt, glass reinforced facers. Thickness ranges from 0.5" to 4" and available boards sizes are 4x4 ft.
- 4.3 **H-Shield F** is an ASTM C1289, Type I, Class 1, Grade 2 or Grade 3 board stock roof insulation comprised of a polyisocyanurate core faced on both sides with a tri-laminate foil facer. Thickness ranges from 1" to 4" and available boards sizes are 4x4 ft and 4x8 ft.
- 4.4 **H-Shield-NB** is an ASTM C1289, Type V board stock roof insulation comprised of a polyisocyanurate core faced on one side with a organic felt, glass reinforced facer and the other side with 7/16" or 5/8" thick oriented strand board (OSB) or 3/4" thick CDX plywood. Thickness ranges from 1.5" to 4.5" and available boards sizes are 47.5 x 95.5 inch or and 4 x 8 ft. *H-Shield-NB with OBS top surface is not for use in HVHZ.*

- 4.5 **H-Shield-WF** is an ASTM C1289, Type IV board stock roof insulation comprised of a polyisocyanurate core faced on one side with an organic felt, glass reinforced facer and the other side with 1/2" thick asphalt-coated high density wood fiberboard. Thickness ranges from 1.5" to 4.5" and available boards sizes are 47.5 x 95.5 inch or and 47.5 inch x 8 ft.
- 4.6 **H-Shield-WF (Tapered)** is an ASTM C1289, Type IV tapered board stock roof insulation comprised of a polyisocyanurate core faced on one side with an organic felt, glass reinforced facer and the other side with 1/2" thick asphalt-coated high density wood fiberboard. Thickness ranges from 1.0" to 4.0" and available boards sizes are 4 x 4 ft
- 4.7 **H-Shield CG** is an ASTM C1289, Type II, Class 2, Grade 2 or Grade 3 board stock roof insulation comprised of a polyisocyanurate core faced on both sides with a coated polymer-bonded glass fiber mat. Thickness ranges from 1" to 4" and available boards sizes are 4 x 4 ft and 4 x 8 ft.
- 4.8 **H-Shield CG (Tapered)** is an ASTM C1289, Type II, Class 2, Grade 2 or Grade 3 tapered board stock roof insulation comprised of a polyisocyanurate core faced on both sides with a coated polymer-bonded glass fiber mat. Thickness ranges from 1" to 4" and available boards sizes are 4 x 4 ft and 4 x 8 ft.
- 4.9 **H-Shield DD** is an ASTM C1289, Type VII board stock roof insulation comprised of a polyisocyanurate core faced on one side with an organic felt, glass reinforced facer and the other side with 1/4" or 1/2" thick DensDeck. Thickness ranges from 1.0" to 4.5" and available boards sizes are 4 x 8 ft
- 4.10 **H-Shield HD** is a board stock roof insulation comprised of a high density polyisocyanurate core faced on both sides with a coated polymer-bonded glass fiber mat. Thickness is 1/2" and available board size is 4x8 ft.
- 4.11 **Cool-Vent** is a venting composite insulation board consisting of H-Shield (ASTM C1289, Type II, Class 1, Grade 2 board stock roof insulation) with a middle layer of solid wood spacers and a top layer of APA/TECO rated 7/16" or 5/8" thick oriented strand board (OSB) or 5/8" or 3/4" thick CDX plywood. Thickness ranges from 2.5" to 6" and available boards size is 4x8 ft. *Cool-Vent with OBS top surface is not for use in HVHZ.*
- 4.12 **Cool-Vent II** is a venting composite insulation board consisting of H-Shield-NB (ASTM C1289, Type V board stock roof insulation) with a middle layer of wood spacers and a top layer of APA/TECO rated 7/16" or 5/8" thick oriented strand board (OSB) or 5/8" or 3/4" thick CDX plywood. Thickness ranges from 3" to 6" and available boards size is 4x8 ft. *Cool-Vent II with OBS top surface is not for use in HVHZ.*
- 4.13 **H-Shield HD Composite** is a rigid, closed cell, polyisocyanurate foam board composite comprising H-Shield HD used as the top side facer, a foam core identical to H-Shield, and a glass reinforced organic felt bottom facer. Thickness ranges from 2.0" to 4.5" and available boards size is 4x4 or 4x8 ft.

5. LIMITATIONS:

- 5.1 H-Shield NB, Cool-Vent and Cool-Vent II with OSB as the top surface is not for use in HVHZ jurisdictions.
- 5.2 Roof assemblies are approved under specific roof cover Product Approvals.
- 5.3 Refer to roof system Product Approval for use and installation of H-Shield Roof Insulation. If H-Shield Roof Insulation is not listed in the roof system Product Approval, a request may be made to the AHJ for approval provided that FM 4450 or UL1256 internal fire; ASTM E108, UL790 or TAS 114, Appendix A external fire and/or FM 4470, UL1897 or TAS 114 wind uplift data, as applicable, is provided specifically with the subject roof cover.

5.3.1 H-Shield, when mechanically attached using OMG 3" Galvanized Steel Plates, OMG Flat Bottom (Accutrac) Plates, Trufast MP-3 Plates or SFS Dekfast Hex Plates or when bonded in hot asphalt or an Approved insulation adhesive, followed by a bonded coverboard or bonded roof cover may be considered a 'drop-in' substitution in Approved roof assemblies where Atlas ACFoam II, JM ENRGY-3 or R-Max Multi-Max FA-3 are listed.

5.3.2 H-Shield-WF, when bonded in hot asphalt or an Approved insulation adhesive, followed by a bonded coverboard or bonded roof cover may be considered a 'drop-in' substitution in Approved roof assemblies where Atlas ACFoam Composite/FB or JM ENRGY-3 Plus are listed.

5.4 All products in the roof assembly shall have quality assurance audit in accordance with the FBC and F.A.C. Rule 9N-3.

6. INSTALLATION:

6.1 H-Shield Roof Insulation shall be installed in accordance with Hunter Panels' published installation instructions, coupled with attachment requirements set forth in the roof system Product Approval documentation.

6.2 The maximum board size for bonded applications is 4 x 4 ft.

7. BUILDING PERMIT REQUIREMENTS:

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

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by F.A.C. Rule 9N-3 QA requirements.

9. QUALITY ASSURANCE ENTITY:

FM Approvals – QUA1860, (781) 255-4783

- END OF EVALUATION REPORT -



Business Professional



Product Approval
USER: Public User

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

License Renewal - Regular Entry

FL # FL2533-R8
Application Type Revision
Code Version 2010
Application Status Approved
Comments
Archived

Product Manufacturer CertainTeed Corporation--Roofing
Address/Phone/Email PO Box 1100
 1400 Union Meeting Rd
 Blue Bell, PA 19422
 (215) 274-2350
 Steven.T.Lawrey@saint-gobain.com

Authorized Signature
 Steven Lawrey
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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 02/13/2016
Validated By John W. Knezevich, PE
Validation Checklist - Hardcopy Received

Certificate of Independence [FL2533_RS_COI_Trinity.ERD_CI - Nieminen.pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM D6163	2000
	ASTM D6164	2005
	ASTM D6222	2002
	ASTM D6223	2002
	ASTM D6509	2000
	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
 Date Validated
 Date Pending FBC Approval
 Date Approved

08/23/2012
 08/24/2012
 08/27/2012
 10/09/2012

Summary of Products

FL #	Model, Number or Name	Description
2533.1	Flintlastic Modified Bitumen Roof Systems	Modified Bitumen Roof Systems
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-630 Other: 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.</p>		
<p>Installation Instructions FL2533 RS 11 AL 91092312FINAL CERTAINTED MODBIT FL2533-RS.pdf Verified By: Robert Nieminen, PE PE-59166 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL2533 RS AE 91092312FINAL CERTAINTED MODBIT FL2533-RS.pdf Created by Independent Third Party: Yes</p>		

Back Next

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Product Approval Accepts:



APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE					Page
Table	Deck	Application	Type	Description	
				Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	5-6
1A	Wood	New or Reroof (Tear-Off)	A-2	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	7
1B	Wood	New, Reroof (Tear-Off) or Recover	B	Mech. Attached Insulation, Bonded Roof Cover	8
1C	Wood	New, Reroof (Tear-Off) or Recover	C	Mech. Attached Insulation, Bonded Roof Cover	9-10
1D	Wood	New, Reroof (Tear-Off) or Recover	D	Prelim. Attached Insulation, Mech. Attached Base Sheet, Bonded Roof Cover	11-13
1E-1	Wood	New, Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	14-15
1E-2	Wood	New, Reroof (Tear-Off) or Recover	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	15
1F	Wood	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	16-18
2A	Steel or Conc.	New, Reroof (Tear-Off) or Recover	B	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	19-21
2B	Steel or Conc.	New, Reroof (Tear-Off) or Recover	C	Mech. Attached Insulation, Bonded Roof Cover	22-23
2C	Steel or Conc.	New, Reroof (Tear-Off) or Recover	D	Prelim. Attached Insulation, Mech. Attached Base Sheet, Bonded Roof Cover	24-32
3A	Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	33
3B	Concrete	New or Reroof (Tear-Off)	A-3	Bonded Temp Roof/Vapor Barrier, Bonded Insulation, Bonded Roof Cover	33
3C	Concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	34-35
4A	LWIC	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	36
4B	LWIC	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	37-40
4C	LWIC	New, Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	41
5A	CWF	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	41
5B	CWF	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	42
5C	CWF	New, Reroof (Tear-Off) or Recover	C	Mech. Attached Insulation, Bonded Roof Cover	42
5D	CWF	New, Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	43-44
6A	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	45
6B	Gypsum	Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	45
6C	Gypsum	Reroof (Tear-Off)	C	Mech. Attached Insulation, Bonded Roof Cover	46
6D	Gypsum	Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	47-50
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	50
7B	Various	Recover	F	Non-Insulated, Bonded Roof Cover	

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. Wind 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 (Accutrac), 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.
 - Steel Deck: OMG #12 or #14 Roofgrip with Recessed or Flat Bottom Plate (Accutrac), 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 flute of the steel deck.
 - Concrete Deck: OMG #14 Roofgrip with Recessed or Flat Bottom Plate (Accutrac), 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.

TRINITY ERD

3. Unless otherwise noted, insulation may be any one layer or combination of polyisocyanurate, polystyrene, wood fiberboard, perlite, GlasRoc Roof Board, Dens Deck, Dens Deck Prime, Dens Deck DuraGuard, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board that meets the QA requirements of F.A.C. Rule 9N-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): Full coverage at 25-30 lbs/square
 - Ashland Pliodeck (A-PD): Continuous 0.75 inch wide ribbons, 12-inch o.c. *Ribbons of subsequent layers shall be perpendicular to those in the layer below.*
 - Dow Insta-Stik (D-IS): Continuous 0.75 to 1 Inch wide ribbons, 12-inch o.c.
 - Dow Spray-N-Grip (D-SG): Full coverage
 - Millennium One Step Foamable Adhesive (M-OSFA): Continuous 0.25 to 0.5-inch wide ribbons, 12-inch o.c.
 - Millennium PG-1 Pump Grade Adhesive (M-PG1): Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.
 - OMG OlyBond 500 or OlyBond Green (OB500): Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart or SpotShot)
 - 3M CR-20: Continuous 2.5 to 3-inch wide ribbons, 12-inch o.c. (Note: TITASET may be used where CR-20 is referenced).
 - *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.*
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.

CERTAINTEED FLINTLASTIC® MODIFIED BITUMEN COMPONENTS & APPLICATION METHODS			Application
Reference	Layer	Material	
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	

CERTAINTEED FLINTLASTIC® MODIFIED BITUMEN COMPONENTS & APPLICATION METHODS (CONTINUED)			Application
Reference	Layer	Material	
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	
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. "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609.1.5 for determination of design wind loads.

TABLE 1A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover			MDP (psf)
		Type	Fasteners	Attach	Type	Attach	Type	Attach	Base	Ply	Cap	
SELF-ADHERING SYSTEMS:												
W-1	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d common or ring shank nails	Glasbase, All Weather Empire, Flexiglas Base, Flintlastic Base 20; Poly SMS; Ultra Poly SMS; Yosemite	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch AC Foam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA	Min. 0.25-inch Dens Deck primed with FlintPrime SA	HA	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0*
W-2	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d common or ring shank nails	Glasbase, All Weather Empire, Flexiglas Base, Poly SMS or Ultra Poly SMS	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	Min. 1.5-inch AC Foam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA full coverage or OB500, M-OSFA, A-PD, D-IS or CR-20, 4-inch o.c.	Min. 0.25-inch Dens Deck primed with FlintPrime SA	HA full coverage or OB500, M-OSFA, A-PD, D-IS or CR-20, 6-inch o.c.	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
W-3	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d common or ring shank nails	Yosemite Venting Base Sheet	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	Min. 1.5-inch AC Foam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA	Min. 0.25-inch Dens Deck primed with FlintPrime SA	HA	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
W-4	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d ring shank nails	Glasbase, All Weather Empire, Flexiglas Base, Poly SMS or Ultra Poly SMS	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) Min. 1.5-inch AC Foam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA full coverage or OB500, M-OSFA, A-PD, D-IS or CR-20, 4-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with FlintPrime SA	HA full coverage or OB500, M-OSFA, A-PD, D-IS or CR-20, 6-inch o.c.	SBS-SA	(Optional) SBS-SA	SBS-SA	-60.0
W-5	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d ring shank nails	Yosemite Venting Base Sheet	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) Min. 1.5-inch AC Foam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with FlintPrime SA	HA	SBS-SA	(Optional) SBS-SA	SBS-SA	-60.0
HYBRID SYSTEMS:												
W-6	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d common or ring shank nails	Glasbase, All Weather Empire, Flexiglas Base, Flintlastic Base 20; Poly SMS; Ultra Poly SMS; Yosemite	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch AC Foam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA	None	N/A	SBS-SA-H	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*

TABLE 1A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover			MDP (psf)
		Type	Fasteners	Attach	Type	Attach	Type	Attach	Base	Ply	Cap	
W-7	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d ring shank nails	Glasbase; Flintglas Premium Ply Sheet Type VI; Yosemite	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA	None	N/A	SBS-SA-H	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0
CONVENTIONAL SYSTEMS:												
W-8	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d common or ring shank nails	Glasbase, All Weather Empire, Flexiglas Base, Flintlastic Base 20; Poly SMS; Ultra Poly SMS; Yosemite	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 12-inch o.c. in three, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA	Min. 0.25-inch Dens Deck primed with FlintPrime (ASTM D41) primer	HA	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
W-9	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d common or ring shank nails	Glasbase, All Weather Empire, Flexiglas Base, Poly SMS or Ultra Poly SMS	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA full coverage or OB500, M-OSFA, A-PD, D-IS or CR-20, 4-inch o.c.	Min. 0.25-inch Dens Deck primed with FlintPrime (ASTM D41) primer	HA full coverage or OB500, M-OSFA, A-PD, D-IS or CR-20, 6-inch o.c.	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5
W-10	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d common or ring shank nails	Yosemite Venting Base Sheet	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA	Min. 0.25-inch Dens Deck primed with FlintPrime (ASTM D41) primer	HA	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5
W-11	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d ring shank nails	Glasbase, All Weather Empire, Flexiglas Base, Poly SMS or Ultra Poly SMS	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) Min. 1.5-inch ACFoam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA full coverage or OB500, M-OSFA, A-PD, D-IS or CR-20, 4-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	HA full coverage or OB500, M-OSFA, A-PD, D-IS or CR-20, 6-inch o.c.	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0
W-12	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d ring shank nails	Yosemite Venting Base Sheet	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) Min. 1.5-inch ACFoam II, FlintBoard ISO, ENRGY-3, H-Shield or Multi-Max FA3	HA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	HA	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover			MDP (psf)
		Type	Fasteners	Attach	Type	Attach	Base	Ply	Cap	
HYBRID SYSTEMS:										
W-13	Min. 15/32-inch exterior grade plywood; See Note 1	Min. 1.5-inch ACFoam II, FlintBoard ISO, H-Shield or FlintBoard ISO _H .	FlintFast #12 or #14 with FlintFast 3" Insulation Plates	1 per 1.33 ft ²	Min. 1.5-inch ACFoam II, FlintBoard ISO, H-Shield or FlintBoard ISO _H .	HA, D-IS, M-OSFA, M-PG1 or OB500	SBS-SA-H	(Optional) APP-TA	APP-TA	-67.5
CONVENTIONAL SYSTEMS:										
W-14	Min. 23/32-inch exterior grade plywood; See Note 1	Min. 1.5-inch ACFoam II, FlintBoard ISO, ENRGY 3, H-Shield	See Note 2	1 per 2 ft ²	Min. 0.5-inch FM Approved Wood Fiberboard, min. 0.75-Inch FM Approved perlite	HA	BP-AA or SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
W-15	Min. 23/32-inch exterior grade plywood; See Note 1	Min. 1.5-Inch ACFoam II, FlintBoard ISO, ENRGY 3, H-Shield	See Note 2	1 per 2 ft ²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, Dens Deck or Dens Deck Prime	HA	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
W-16	Min. 15/32-Inch exterior grade plywood; See Note 1	Min. 1.5-inch ACFoam II, FlintBoard ISO, H-Shield or FlintBoard ISO _H .	FlintFast #12 or #14 with FlintFast 3" Insulation Plates	1 per 1.33 ft ²	Optional additional layer(s) of base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof board	HA, D-IS, M-OSFA, M-PG1 or OB500	APP-TA	(Optional) APP-TA	APP-TA	-90.0

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover			MDP (psf)
			Type	Fasteners	Attach	Base	Ply	Cap	
SELF-ADHERING SYSTEMS:									
W-17	Min. 19/32-inch exterior grade plywood; See Note 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch Dens Deck primed with FlintPrime SA	See Note 2	1 per 1.33 ft ²	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0
W-18	Min. 19/32-inch plywood; See Note 1	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Multi-Max FA3 or FlintBoard ISO primed with FlintPrime SA	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14	1 per 2 ft ²	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0*
W-19	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d ring shank nails	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Multi-Max FA3 or FlintBoard ISO primed with FlintPrime SA	See Note 2	1 per 1.45 ft ²	SBS-SA	(Optional) SBS-SA	SBS-SA	-60.0
HYBRID SYSTEMS:									
W-20	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d ring shank nails	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, FlintBoard ISO, H-Shield, FlintBoard ISO _H	See Note 2	1 per 1.45 ft ²	SBS-SA-H	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0
W-21	Min. 15/32-inch plywood; See Note 1	Min. 1.5-inch, One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, FlintBoard ISO, H-Shield, FlintBoard ISO _H	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14	1 per 1.33 ft ²	SBS-SA-H	(Optional) APP-TA	APP-TA	-75.0
CONVENTIONAL SYSTEMS:									
W-22	Min. 23/32-inch exterior grade plywood; See Note 1	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch FM Approved Wood Fiberboard, min. 0.75-inch FM Approved perlite	See Note 2	1 per 2 ft ²	BP-AA or SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
W-23	Min. 23/32-inch exterior grade plywood; See Note 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, Dens Deck or Dens Deck Prime	See Note 2	1 per 2 ft ²	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
W-24	Min. 15/32-inch plywood; See Note 1	Min. 1.5-inch, One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14	1 per 1.33 ft ²	APP-TA	(Optional) APP-TA	APP-TA	-67.5

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER									
SYSTEM TYPE D: PRELIMINARILY ATTACHED INSULATION, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER									
System No.	Deck (See Note 1)	Insulation Layer(s)		Base or Anchor Sheet			Roof Cover		MDP (psf)
		Type	Attach	Base	Fasteners	Attach	Ply	Cap	
SELF-ADHERING SYSTEMS:									
W-25	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	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-26	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Flintlastic SA NailBase	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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-27	Min. 15/32-inch plywood at max 24-inch spans attach 4-inch o.c. using #10 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Flintlastic SA NailBase	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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*
HYBRID SYSTEMS:									
W-28	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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-29	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra 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-30	Min. 15/32-inch plywood at max 24-inch spans attach 4-inch o.c. using #10 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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
CONVENTIONAL SYSTEMS:									
W-31	Min. 23/32-inch exterior grade plywood; See Note 1	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	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*

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D: PRELIMINARILY ATTACHED INSULATION, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Insulation Layer(s)		Base or Anchor Sheet			Roof Cover		MDP (psf)
		Type	Attach	Base	Fasteners	Attach	Ply	Cap	
W-32	Min. 23/32-inch exterior grade plywood; See Note 1	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	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*
W-33	Min. 23/32-inch exterior grade plywood; See Note 1	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Poly SMS Base; Ultra Poly SMS Base	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	-45.0*
W-34	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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.	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-97.5
W-35	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Flintlastic APP Base T	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.	APP-TA	APP-TA	-97.5
W-36	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	See Note 2	7-inch o.c. at 3-inch lap and 7-inch o.c. in three, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-105.0
W-37	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Flintlastic APP Base T	OMG 3 in. Round Metal Plates with OMG #14 HD or Dekfast Hex Plate with Dekfast #14	7-inch o.c. at 3-inch lap and 7-inch o.c. in three, equally spaced, staggered center rows	APP-TA	APP-TA	-105.0
W-38	Min. 15/32-inch plywood at max 24-inch spans attach 4-inch o.c. using #10 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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.	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-127.5
W-39	Min. 15/32-inch plywood at max 24-inch spans attach 4-inch o.c. using #10 wood screws	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Flintlastic APP Base T	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.	APP-TA	APP-TA	-127.5

TABLE 1E-1: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof Cover		MDP (psf)
		Base	Fasteners	Attach	Ply	Cap	
SELF-ADHERING SYSTEMS:							
W-40	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d ring shank nails	Flintlastic SA NailBase	Min. 1-inch long, 12 ga. Simplex Metal Cap Nails	6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows	(Optional) SBS-SA	SBS-SA	-52.5
W-41	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d common nails	Flintlastic SA NailBase	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 2-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) SBS-SA	SBS-SA	-52.5
W-42	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d ring shank nails or 4-inch o.c. with 8d common nails	Flintlastic SA NailBase	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 2-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) SBS-SA	SBS-SA	-60.0
W-43	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Flintlastic SA NailBase	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows	(Optional) SBS-SA	SBS-SA	-75.0
W-44	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Flintlastic SA NailBase	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	4-inch o.c. at min. 2-inch lap and 4-inch o.c. in four, equally spaced, staggered center rows	(Optional) SBS-SA	SBS-SA	-105.0
HYBRID SYSTEMS:							
W-45	Min. 19/32-inch exterior grade plywood; See Note 1	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / Empire Base; Poly SMS Base; Ultra Poly SMS Base	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. at 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-SA-H	SBS-AA, SBS-TA or APP-TA	-45.0*
W-46	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d ring shank nails	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / Empire Base; Poly SMS Base; Ultra Poly SMS Base	Min. 1-inch long, 12 ga. Simplex Metal Cap Nails	6-inch o.c. at 3-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows	SBS-SA-H	SBS-AA, SBS-TA or APP-TA	-52.5
W-47	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d common nails	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at 4-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	SBS-SA-H	SBS-AA, SBS-TA or APP-TA	-52.5
W-48	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d ring shank nails	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at 4-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	SBS-SA-H	SBS-AA, SBS-TA or APP-TA	-60.0
W-49	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	6-inch o.c. at 4-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows	SBS-SA-H	SBS-AA, SBS-TA or APP-TA	-82.5

TABLE 1E-1: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof Cover		MDP (psf)
		Base	Fasteners	Attach	Ply	Cap	
W-50	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	4-inch o.c. at 3-inch lap and 4-inch o.c. in four, equally spaced, staggered center rows	SBS-SA-H	SBS-AA, SBS-TA or APP-TA	-105.0
CONVENTIONAL SYSTEMS:							
W-51	Min. 19/32-inch exterior grade plywood; See Note 1	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / Empire Base; Poly SMS Base; Ultra Poly SMS Base; Yosemite	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. at 4-inch lap and 12-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*
W-52	Min. 15/32-inch exterior grade plywood; See Note 1	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / Empire Base; Poly SMS Base; Yosemite	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
W-53	Min. 15/32-inch exterior grade plywood; See Note 1	Flintlastic APP Base T	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-45.0*
W-54	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d ring shank nails	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / Empire Base; Poly SMS Base; Ultra Poly SMS Base; Yosemite	Min. 1-inch long, 12 ga. Simplex Metal Cap Nails	6-inch o.c. at 3-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5
W-55	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d common nails	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at 4-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5
W-56	Min. 15/32-inch exterior grade plywood; See Note 1	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / Empire Base; Poly SMS Base; Yosemite	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5
W-57	Min. 15/32-inch exterior grade plywood; See Note 1	Flintlastic APP Base T	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-52.5
W-58	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d ring shank nails	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at 4-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0
W-59	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	6-inch o.c. at 4-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5

TABLE 1E-1: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof Cover		MDP (psf)
		Base	Fasteners	Attach	Ply	Cap	
W-60	Min. 15/32-inch exterior grade plywood; See Note 1	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / Empire Base; Poly SMS Base; Yosemite	Simplex MAXX Cap	6-Inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-90.0
W-61	Min. 15/32-inch exterior grade plywood; See Note 1	Flintlastic APP Base T	Simplex MAXX Cap	6-Inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-90.0
W-62	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	4-inch o.c. at 3-inch lap and 4-inch o.c. in four, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-105.0
W-63	Min. 15/32-inch exterior grade plywood; See Note 1	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / Empire Base; Poly SMS Base; Yosemite	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-105.0
W-64	Min. 15/32-inch exterior grade plywood; See Note 1	Flintlastic APP Base T	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-105.0

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			Roof Cover		MDP (psf)
		Base	Fasteners	Attach	Ply	Cap	
SELF-ADHERING SYSTEMS:							
W-65	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	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-66	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Flintlastic SA NailBase	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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-67	Min. 15/32-inch plywood at max 24-inch spans attach 4-inch o.c. using #10 wood screws	Flintlastic SA NailBase	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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*
HYBRID SYSTEMS:							
W-68	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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-69	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra 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-70	Min. 15/32-inch plywood at max 24-inch spans attach 4-inch o.c. using #10 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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
CONVENTIONAL SYSTEMS:							
W-71	Min. 23/32-inch exterior grade plywood; See Note 1	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-72	Min. 23/32-inch exterior grade plywood; See Note 1	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*

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			Roof Cover		MDP (psf)
		Base	Fasteners	Attach	Ply	Cap	
W-73	Min. 23/32-inch exterior grade plywood; See Note 1	Poly SMS Base; Ultra Poly SMS Base	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	-45.0*
W-74	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-97.5
W-75	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Flintlastic APP Base T	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.	APP-TA	APP-TA	-97.5
W-76	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	See Note 2	7-inch o.c. at 3-inch lap and 7-inch o.c. in three, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-105.0
W-77	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Flintlastic APP Base T	OMG 3 in. Round Metal Plates with OMG #14 HD or Dekfast Hex Plate with Dekfast #14	7-inch o.c. at 3-inch lap and 7-inch o.c. in three, equally spaced, staggered center rows	APP-TA	APP-TA	-105.0
W-78	Min. 15/32-inch plywood at max 24-inch spans attach 4-inch o.c. using #10 wood screws	Glasbase; Flexiglas; Flintlastic Base 20; Poly SMS Base; Ultra Poly SMS Base; Yosemite	Flintfast 3 in. Insulation Plates with FlintFast #12 or #14; Trufast MP3 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	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-127.5
W-79	Min. 15/32-inch plywood at max 24-inch spans attach 4-inch o.c. using #10 wood screws	Flintlastic APP Base T	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.	APP-TA	APP-TA	-127.5

TABLE 1F: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (See Note 1)	Primer	Roof Cover			MDP (psf)
			Base	Ply	Cap	
W-80	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	FlintPrime SA	SBS-SA	(Optional) SBS-SA	SBS-SA	-127.5



CERTIFICATE OF LIABILITY INSURANCE

ROBB001 OP ID: KM

DATE (MM/DD/YYYY)
05/21/14

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

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

PRODUCER J.W. Edens & Company Commercial Ins of Brevard, Inc 325 Fifth Avenue, Suite 108 Indialantic, FL 32903 Scott M. Steele, AAI	CONTRACT NO. 321-725-7000	PHONE (A.C. No. EXT.) 321-725-7858	FAX (A.C. No.)
INSURED Robert Batson Roofing, Inc. Attn: Carolyn Batson 2823 E. Jersey St. Orlando, FL 32806	INSURER(S) AFFORDING COVERAGE NAIC # 26620		
INSURER A: Axis Surplus Ins. Co.			
INSURER B:			
INSURER C:			
INSURER D:			
INSURER E:			
INSURER F:			

TYPE OF INSURANCE	ROB. SUBR. INSR. WAIV.	POLICY NUMBER	POLICY EFF. DATE (MM/DD/YYYY)	POLICY EXP. DATE (MM/DD/YYYY)	LIMITS
GENERAL LIABILITY A <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR		FLGLN00442AX	05/19/14	05/19/15	EACH OCCURRENCE DAMAGE TO RENTED PREMISE (Per occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 50,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-ACC <input type="checkbox"/> LOC					COMBINED SINGLE LIMIT (Per accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ EACH OCCURRENCE \$ AGGREGATE \$
AUTOMOBILE LIABILITY ANY AUTO <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> UNOWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/>					UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/REDUCTIVE EMPLOYMENT (N/A) If yes, describe under DESCRIPTION OF OPERATIONS below					DEAD RETENTION \$ Y/N N/A

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Replaces COI issued 5-13-14

CERTIFICATE HOLDER City of Belle Isle 1600 Neia Avenue Belle Isle, FL 32809	CANCELLATION CITYBE1
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 <i>Susan M. Stob</i>	

ACORD 25 (2010/05)

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

SELF INSURERS FUND

1-800-767-3772 • FAX (407) 671-2520

CERTIFICATE OF INSURANCE

ISSUED TO:

City of Belle Isle
1600 Nela Ave.
Belle Isle, FL 32809

COPY PROVIDED TO:

Robert Batson Roofing, Inc.
2823 E. Jersey St.
Orlando, FL 32806-5029

Attention:

Robert Batson Roofing, Inc.
2823 E. Jersey St.
Orlando, FL 32806-5029


This is to Certify that:

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

	<u>LIMITS</u>
COVERAGE NUMBER: 870-009884	Workers' Compensation: Statutory - State of Florida
EFFECTIVE DATE: 1/1/2014	Employers' Liability: \$100,000.00 Each Accident
EXPIRATION DATE: 1/1/2015	\$100,000.00 Disease, Each Employee
	\$500,000.00 Disease, Policy Limit

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

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

By: 
Brett Stiegel, Administrator
FRSA-SIF

By: 
Debra Guidry, CPCU, Underwriting Manager
FRSA-SIF



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD
 1940 NORTH MONROE STREET
 TALLAHASSEE FL 32399-0783

(850) 487-1395

BATSON, ROBERT E JR
 ROBERT BATSON ROOFING INC
 2823 S JERSEY ST
 ORLANDO FL 32806

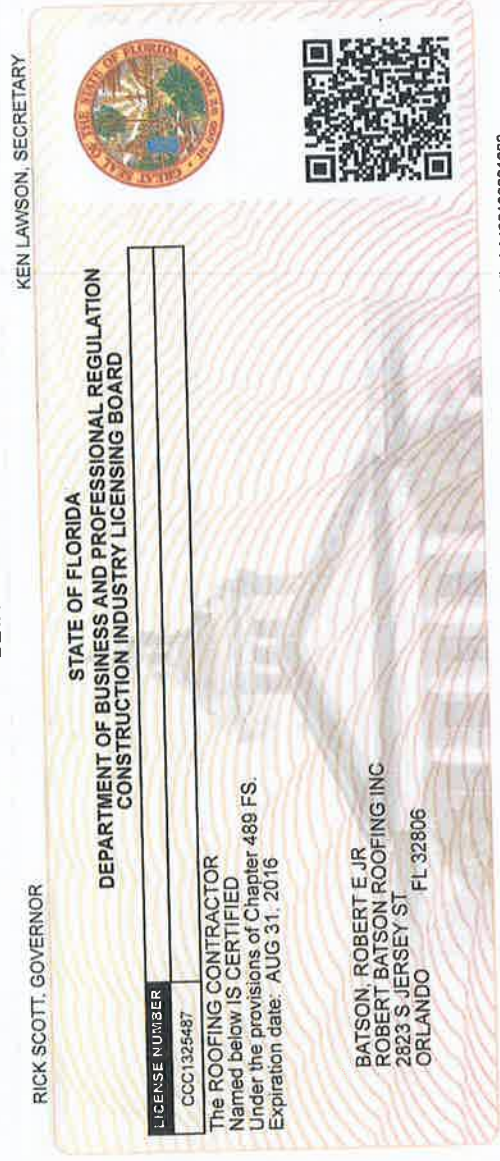
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DETACH HERE



RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

ISSUED: 06/10/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1406100001088