



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>Scope of Work: REROOF: 600 SF FL2533-R11</p> <p>Comments: None</p> <p>Project Information Address: 3342 Honeysuckle Lane, Belle Isle, FL 32812 Parcel ID: 20-23-30-4395-00-590 Property Owner: Newsome, Darrell & Victoria Phone Number: 407-857-6885 ***** Company Name: Russ Noyes LLC Contractor Name: Noyes, Russ License Number: CCC1326879 Address: 495 N. Hwy 17-92, #109, Longwood, FL 32750 Phone Number: 407-388-7700</p>	<p align="center">Permit Number: 2014-04-052 Date of Application: 04/28/2014 Date Permit Issued: 04/28/2014</p> <p>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.</p>
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BUILDING FEATURES

<p>IMPACT FEES</p> <table style="width:100%;"> <tr><td>School</td><td>\$</td></tr> <tr><td>Traffic</td><td>\$</td></tr> </table> <p>ZONING FEES</p> <table style="width:100%;"> <tr><td>Zoning Fee</td><td>\$30.00</td></tr> </table> <p>UNIVERSAL ENG - BUILDING FEES</p> <table style="width:100%;"> <tr><td>Cert of Occ</td><td>\$</td></tr> <tr><td>Demo</td><td>\$</td></tr> <tr><td>Building</td><td>\$</td></tr> <tr><td>Fence</td><td>\$</td></tr> <tr><td>Driveway</td><td>\$</td></tr> <tr><td>Shed</td><td>\$</td></tr> <tr><td>Window(s)</td><td>\$</td></tr> <tr><td>Door(s)</td><td>\$</td></tr> <tr><td>PrePower</td><td>\$</td></tr> <tr><td>Electrical</td><td>\$</td></tr> <tr><td>Temp Pole</td><td>\$</td></tr> <tr><td>Plumbing</td><td>\$</td></tr> <tr><td>Mechanical</td><td>\$</td></tr> <tr><td>Gas</td><td>\$</td></tr> <tr><td>Roofing</td><td>\$35.00</td></tr> <tr><td>Boat Dock</td><td>\$</td></tr> <tr><td>Screen Encl</td><td>\$</td></tr> <tr><td>Swimming Pool</td><td>\$</td></tr> <tr><td>Sign</td><td>\$</td></tr> </table> <p>SURCHARGE FEES</p> <table style="width:100%;"> <tr><td>Surcharge Fee</td><td>\$2.00</td></tr> <tr><td>Surcharge Fee</td><td>\$2.00</td></tr> </table> <p>TOTAL FEES \$69.00</p> <p>Date Paid <u>4-28-14</u></p> <p>CC or Check # <u>Visa</u></p> <p>Amount Paid <u>\$69.00</u></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>	School	\$	Traffic	\$	Zoning Fee	\$30.00	Cert of Occ	\$	Demo	\$	Building	\$	Fence	\$	Driveway	\$	Shed	\$	Window(s)	\$	Door(s)	\$	PrePower	\$	Electrical	\$	Temp Pole	\$	Plumbing	\$	Mechanical	\$	Gas	\$	Roofing	\$35.00	Boat Dock	\$	Screen Encl	\$	Swimming Pool	\$	Sign	\$	Surcharge Fee	\$2.00	Surcharge Fee	\$2.00	<p align="center">BUILDING INSPECTOR USE ONLY</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>BUILDING</p> <p>1st Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? _____ (Footing/Foundation)</p> <p>2nd _____ (Slab)</p> <p>3rd _____ (Lintel)(Wall Reinforcing on Masonry Building)</p> <p>4th _____ (Exterior Framing)(Roof/Wall Sheathing)</p> <p>5th _____ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed)</p> <p>6th _____ (Insulation to be Made After Roof Installed)</p> <p>7th _____ (Drywall)</p> <p>8th _____ (Sidewalk/Driveway)</p> <p>9th _____ (Other)</p> <p>10th _____ (Final – After MEP and Other Applicable Finals)</p> <p>ROOFING</p> <p>1ST ROOFING Deck Nailing/Dry-in/Flashing _____</p> <p>2ND ROOFING Covering In-Progress _____</p> <p>3RD ROOFING Covering Final _____</p> <p>PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)</p> <p>1ST _____ (Underground) 2nd _____ (Sewer)</p> <p>3rd _____ (Rough-In/Tub Set) 4th _____ (Final)</p> <p>CHECK APPROPRIATE BOX</p> <p><input type="checkbox"/> GAS ___Natural___LP <input type="checkbox"/> MECHANICAL <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> LOW VOLTAGE</p> <p>1st _____ (Rough-In) 2nd _____ (Final)</p>
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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.

PROJECT NUMBER 0115.1400223.0000

TASK NUMBER 01

CITY OF BELLE ISLE
Permit Application Review Sheet

Permit Number	2014-04-052
Property Owner	Newsome, Darrell & Victoria
Address	3342 Hornsuckle Ln
Nature of Improvement	Re Roof
Received Application	4/28/14
Sent for Stormwater Review	N/A
Stormwater Approved	
Sent for Zoning Review	N/A
Zoning Approved	
Applied for Variance	N/A
Variance Approved	
Sent to BO for Review	
Building Official Approved	4-28-14
Comments	
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.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: 4/21/14

ROOF PERMIT NUMBER 2014-04-052

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

Project Address 3342 HONEYSUCKLE LN Belle Isle, FL 32809 32812
Property Owner DARRELL & VICTORIA NEWSOME Phone 407-857-6885
Property Owner's Mailing Address 3342 HONEYSUCKLE LN City ORLANDO
State FL Zip Code 32812 Parcel Id Number: 20-23-30-4395-00-590

REQUIRED! To obtain this information, please visit: <http://www.ocpafl.org/Searches/ParcelSearch.aspx>

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

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

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

Roof Square Footage: 600 Number of Stories: 1 Job Valuation: \$ 2,650.00
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 R. Noyes LICENSE # CCC1326879
LICENSE HOLDER NAME RUSS NOYES COMPANY NAME RUSS NOYES LLC
Street Address 495 N HWY 17-92 #109
City LONGWOOD State FL Zip Code 32750 Phone Number 407-388-7700
Email Address russnoyes@yahoo.com

Building Official: ca Date 4-28-14
Verified Contractor's Licenses & Insurance are on file _____ Date _____

Zoning Fee \$ 30⁰⁰
Permit Fee \$ 35⁰⁰
Review Fee \$ _____
3% Florida Surcharge \$ 4.00
Total Permit Fee \$ 69.00

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.

1650° = 10°
1000° = 25°

CITY OF WINTER SPRINGS BUSINESS TAX RECEIPT

1126 East State Road 434
Winter Springs, FL 32708

Owner's Name and Mailing Address:

RUSS NOYES
495 N. HWY 17-92 #109
LONGWOOD, FL 32750

Business ID: 2438

Tax Year: 2014

Valid: 10/01/2013 – 09/30/2014

County Tax: \$45.00

Type: RENEW, REGULATED B

Business Location:

495 N 17-92 HWY

Business Name:

RUSS NOYES, LLC.

Category:

0801 - CONTRACTORS

Dear City of Winter Springs Business Owner:

This is your annual City of Winter Springs Business Tax Receipt which also includes Seminole County Business Tax. Please note Business Tax Receipts are renewed automatically each year unless we are otherwise notified.

Renewal requires that a copy of the active state certificate, registration or license be submitted or presented.

Amount Paid:

\$189.00



City Manager

*** Business Tax must be exhibited conspicuously at your place of business ***

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



LICENSE NUMBER
CCC1326879

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

NOYES, RUSSELL L
RUSS NOYES LLC
495 N HWY 17-92 #109
LONGWOOD FL 32750



RICK SCOTT
GOVERNOR

ISSUED: 01/22/2013 SEQ # L1301220000894
DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY

Permit Number: _____
Folio/Parcel ID #: 20-23-30-4395-00-590
Prepared by: CHRISTINA JORDAN
495 N HWY 17-92 #109, LONGWOOD FL 32750

Return to: RUSS NOYES LLC
495 N HWY 17-92 #109, LONGWOOD FL 32750

DOCH 20140203307 B: 10735 P: 0607
04/24/2014 11:46:47 AM Page 1 of 1
Rec Fee: \$10.00
Martha O. Haynie, Comptroller
Orange County, FL
MB - Ret To: RUSS NOYES LLC



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.

- Description of property** (legal description of the property, and street address if available)
LAKE CONWAY SHORES 7/50 LOT 59 - 3342 HONEYSUCKLE LANE, ORLANDO 32812
- General description of improvement**
REROOF - 6SQ MODIFIED BITUMEN
- Owner information or Lessee information if the Lessee contracted for the improvement**
Name DARRELL & VICTORIA NEWSOME 3342 HONEYSUCKLE LN, ORLANDO FL 32812
Address 3342 HONEYSUCKLE LN, ORLANDO FL 32812
Interest in Property OWNER
Name and address of fee simple titleholder (if different from Owner listed above)
Name N/A
Address _____
- Contractor**
Name RUSS NOYES LLC Telephone Number 407-388-7700
Address 495 N HWY 17-92 #109, LONGWOOD FL 32750
- Surety** (if applicable, a copy of the payment bond is attached)
Name N/A Telephone Number _____
Address _____ Amount of Bond \$ _____
- Lender**
Name N/A Telephone Number _____
Address _____
- 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 N/A Telephone Number _____
Address _____
- 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 N/A Telephone Number _____
Address _____
- 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) N/A

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.

Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager: Victoria Newsome OWNER Signatory's Title/Office
The foregoing instrument was acknowledged before me this 22 day of Apr'14 by VICTORIA NEWSOME name of person
as OWNER for N/A Name of party on behalf of whom instrument was executed

Type of authority: _____
Signature of Notary Public - State of Florida _____
Print, type, or stamp the assigned name of Notary Public _____

Personally Known in FLORIDA, County of ORANGE
Type of ID Produced by the document as reflected in the Official Records.
By: MARSHA CHAVARRIE, COUNTY COMPTROLLER
Dated: 10/17/12
Form content revised: 10/17/12



FL # FL2533-R11
 Application Type Revision
 Code Version 2010
 Application Status Approved
 Comments
 Archived

Product Manufacturer
 Address/Phone/Email
 Carlin Teed Corporation-Roofing
 PO Box 1100
 1400 Union Meeting Rd
 Blue Bell, PA 19422
 (215) 374-2950
 Steven.T.Lawrey@saint-gobain.com

Authorized Signature
 Authorized Representative
 Address/Phone/Email
 Steven T. Lawrey
 Steven.T.Lawrey@saint-gobain.com
 Mark Hamer
 1400 Union Meeting Road
 P.O. Box 1100
 Blue Bell, PA 19422
 (215) 374-2950
 Mark.O.Hamer@saint-gobain.com

Quality Assurance Representative
 Address/Phone/Email
 Category
 Subcategory
 Roofing
 Modified Bitumen Roof System

Compliance Method
 Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer
 Evaluation Report - Handcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report
 Evaluation Report
 Florida License
 PE-59166
 Quality Assurance Entity
 UL, LLC
 Quality Assurance Contract Expiration Date
 02/13/2016
 Validated By
 John W. Krenzlelch, PE
 Validation Checklist - Handcopy Received

Certificate of Independence
 Referenced Standard and Year (of Standard)
 Standard
 Year
 ASTM D6162 2000
 ASTM D6163 2000
 ASTM D6164 2005
 ASTM D6222 2002
 ASTM D6509 2000
 FN 4470 1992
 FN 4474 2004

Equivalence of Product Standards
 Certified By
 Sections from the Code
 Product Approval Method
 Method 1 Option D

Date Submitted
 02/27/2014
 Date Validated
 02/27/2014
 Date Pending FSC Approval
 03/03/2014
 Date Approved
 04/16/2014

Summary of Products

FL #	Model, Number or Name	Description
2533.1	Flintastic Modified Bitumen Roof Systems	Modified Bitumen Roof Systems

Limits of Use
 Approved for use in HVHZ: No
 Approved for use outside HVHZ: Yes
 Impact Resistant: N/A
 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.

Installation Instructions
 FL2533-R11-2014-02-FINAL-31-ER-CERTIFIED-MODBIT-RS2533-ER11-01
 Verified by: Robert Memmin, PE PE-59166
 Evaluation Reports
 FL2533-R11-2014-02-FINAL-ER-CERTIFIED-MODBIT-RS2533-ER11-01
 Created by Independent Third Party: Yes
 Created by Independent Third Party: Yes

Product Approval Accepted

The State of Florida is an AIA/IBO Employer. Under Florida law, any address provided in response to a public records request is a public record unless it falls within an exemption. If you do not wish your address to be made public, you must provide the department with an email address if they have one. The email provided may be used for official correspondence with this department. However, email addresses are public records. If you do not wish to supply an email address, please provide the department with a contact address which can be used for official correspondence. No fee is assessed for a request under chapter 119, F.S.

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

Page	Deck	Application	Type	Description
5-6	1A	Wood	A-2	Mech, Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover
7	1B	Wood	B	Mech, Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover
8-9	1C	Wood	C	Mech, Attached Insulation, Bonded Roof Cover
10-11	1D	Wood	D	Prelim, Attached Insulation, Mech, Attached Base Sheet, Bonded Roof Cover
12-14	1E-1	Wood	E	Non-Insulated, Mech, Attached Base Sheet, Bonded Roof Cover
15-16	1E-2	Wood	E	Non-Insulated, Mech, Attached Base Sheet, Bonded Roof Cover
16	1F	Wood	F	Non-Insulated, Bonded Roof Cover
17-19	2A	Steel or Conc.	B	Mech, Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover
20-22	2B	Steel or Conc.	C	Mech, Attached Insulation, Bonded Roof Cover
23-24	2C	Steel or Conc.	D	Prelim, Attached Insulation, Mech, Attached Base Sheet, Bonded Roof Cover
25-33	3A	Concrete	A-1	Bonded Insulation, Bonded Roof Cover
34	3B	Concrete	A-3	Bonded Temp Roof/Vapor Barrier, Bonded Insulation, Bonded Roof Cover
34	3C	Concrete	F	Non-Insulated, Bonded Roof Cover
35-36	4A	LWIC	A-1	Bonded Insulation, Bonded Roof Cover
37	4B	LWIC	A-2	Mech, Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover
38-41	4C	LWIC	E	Non-Insulated, Mech, Attached Base Sheet, Bonded Roof Cover
42	5A	CWF	A-1	Bonded Insulation, Bonded Roof Cover
42	5B	CWF	A-2	Mech, Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover
43	5C	CWF	C	Mech, Attached Insulation, Bonded Roof Cover
43	5D	CWF	E	Non-Insulated, Mech, Attached Base Sheet, Bonded Roof Cover
44-45	6A	Gypsum	A-1	Bonded Insulation, Bonded Roof Cover
46	6B	Gypsum	A-2	Mech, Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover
47	6C	Gypsum	C	Mech, Attached Insulation, Bonded Roof Cover
48-53	6D	Gypsum	E	Non-Insulated, Mech, Attached Base Sheet, Bonded Roof Cover
48-53	7A	Various	A-1	Bonded Insulation, Bonded Roof Cover
54	7B	Various	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 Roofrip with Flat Bottom Plate (Accurac), 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 Roofrip with Recessed or Flat Bottom Plate (Accurac), 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 Roofrip with Recessed or Flat Bottom Plate (Accurac), 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, GlasRoc Roof Board, Dens Deck, Dens Deck Prime, Dens Deck DuraGuard, SECURROCK Gypsum-Fiber Roof Board or SECURROCK 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):
- Ashland Pliodeck (A-PD):
- Full coverage at 25-30 lbs/square
- Continuous 0.75 inch wide ribbons, 12-inch o.c. Ribbons of subsequent layers shall be perpendicular to those in the layer below.
- Continuous 0.75 to 1 inch wide ribbons, 12-inch o.c.
- Full coverage
- 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:
- Continuous 0.25 to 0.5-inch wide ribbons, 12-inch o.c.
- Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.
- 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: TITSEET 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.
- Ashland Pliodeck (A-PD) @ 6-inch o.c.
- Dow Insta-Stik (D-IS):
- Millennium One Step Foamable Adhesive (M-OSFA):
- Millennium PG-1 Pump Grade Adhesive (M-PG1):
- OMG OlyBond 500 (OB500):
- OMG OlyBond 500 (OB500):
- OMG OlyBond 500 (OB500):
- OMG OlyBond 500 (OB500):
- OMG OlyBond 500 (OB500):
- MDP -105.0 psf (Min. 1.0-inch)
- MDP -277.5 psf (Min. 1.0-inch)
- MDP -120.0 psf (Min. 1.0-inch)
- MDP -157.5 psf (Min. 1.0-inch)
- MDP -157.5 psf (Min. 1.0-inch)
- MDP -45.0 psf (Min. 0.5-inch Multi-Max FA3)
- MDP -187.5 psf (Min. 0.5-inch ISO 95+ GL)
- MDP -315.0 psf (Min. 0.5-inch ENRGY 3)
- MDP -487.5 psf (Min. 0.5-inch ACFoam II)
- 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 2.1.5.1(a) of FM LPDS 1-29 for Zone 2/3 enhancements.

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	Fasteners	Attach	Roof Cover		MDP (psf)
					Ply	Cap	
Self-Adhering Systems:							
W-48	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-49	Min. 19/32-inch plywood at max. 24-inch spans attached 6-inch o.c. with 8d common 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	-52.5
W-50	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-51	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-52	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-53	Min. 19/32-inch exterior grade plywood; See Note 1	Glassbase; 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-54	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d ring shank nails	Glassbase; 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-55	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d common nails	Glassbase; 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-56	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d ring shank nails	Glassbase; 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-57	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using # 8 wood screws	Glassbase; 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			MDP (psf)	
		Fasteners	Attach	Ply		
W-58	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glassbase; 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
W-59	Min. 19/32-inch exterior grade plywood; See Note 1	Glassbase; 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	-45.0*
W-60	Min. 15/32-inch exterior grade plywood; See Note 1	Glassbase; 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	-45.0*
W-61	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	-45.0*
W-62	Min. 15/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d ring shank nails	Glassbase; 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	-52.5
W-63	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d common nails	Glassbase; 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	-52.5
W-64	Min. 15/32-inch exterior grade plywood; See Note 1	Glassbase; 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	-52.5
W-65	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	-52.5
W-66	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using 8d ring shank nails	Glassbase; 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	-60.0
W-67	Min. 19/32-inch plywood at max 24-inch spans attach 6-inch o.c. using #8 wood screws	Glassbase; 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	-82.5

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SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base	Fasteners	Base Sheet	Attach	Roof Cover		MDP (psf)
						Ply	Cap	
W-68	Min. 15/32-inch exterior grade plywood; See Note 1	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / 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-69	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-70	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-71	Min. 15/32-inch exterior grade plywood; See Note 1	Glasbase; Flexiglas; Flintlastic Base 20; All Weather / 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-72	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	