**Roofing Technical Advisory Committee – Errata**

**R-FBC-B/R –Ch. 15/9 – Errata #1**

**Mike Silvers - FRSA**

Mo,

Please except this email as a request from FRSA to make the change shown to the underlayment tables shown below. The equal (=) symbol was mistakenly eliminated during the recent code modification cycle. Because of the omission roofs that are at 4:12 slope failed to be addressed by the tables. Your assistance in this matter is appreciated

**2020 Florida Building Code, Building, 7th Edition**

**CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES**

**SECTION 1507 REQUIREMENTS FOR ROOF COVERINGS**

**TABLE 1507.1.1.1**

**UNDERLAYMENT WITH SELF-ADHERING STRIPS OVER ROOF DECKING JOINTS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Roof Covering** | **Underlayment Type** | **Underlayment Attachment** | |
| **2:12 = Roof Slope <4:12** | **Roof Slope > = 4:12** |
| Asphalt Shingles, Metal Roof Panels, Photovoltaic Shingles | ASTM D226Type IIASTM D4869Type III or IVASTM D 6757 | Apply in accordance with Section 1507.1.1.1,Item 4 or Section 1507.1.1.3,Item 3 as applicable to the type of roof covering. | Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 4 inches; end laps shall be 6 inches and shall be offset by 6 feet. The underlayment shall be attached to a nailable deck with two staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches o.c., and one row at the end and side laps fastened 6 inches o.c. Underlayment shall be attached using annular ring or deformed shank nails with metal or plastic caps with a nominal cap diameter of not less than 1 inch. Metal caps are required where the ultimate design wind speed, *Vult*, equals or exceeds 170 mph. Metal caps shall have a thickness of not less than 32-gage sheet metal. Power-driven metal caps shall have a minimum thickness of 0.010 inch. The minimum thickness of the outside edge of plastic caps shall be 0.035 inch. The cap nail shank shall be not less than 0.083inch for ring shank cap nails and 0.091 inch for smooth shank cap nails. The cap nail shank shall have a length sufficient to penetrate through the roof sheathing or not less than 3/4inch into the roof sheathing. |
| Metal Roof Shingles, Mineral-Surface Roll Roofing, Slate and Slate-type Shingles, Wood Shingles, Wood Shakes | ASTM D226Type IIASTM D4869 Type III or IV |

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s.

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**CHAPTER 9  
ROOF ASSEMBLIES**

**SECTIONR 905  
REQUIREMENTS FOR ROOF COVERING**

**TABLE R905.1.1.1**

**UNDERLAYMENT WITH SELF-ADHERING STRIPS OVER ROOF DECKING JOINTS**

|  |  |  |  |
| --- | --- | --- | --- |
| **ROOF COVERING** | **UNDERLAYMENT TYPE** | **UNDERLAYMENT ATTACHMENT** | |
|  |  | **2:12 = ROOF SLOPE < 4:12** | **ROOF SLOPE >** = **4:12** |
| **Asphalt Shingles, Metal Roof Panels, Photovoltaic Shingles** | **ASTM D226 Type IIASTM D4869 Type III or IVASTM D6757** | **Apply in accordance with Section R905.1.1.1, Item 4 or Section R905.1.1.3,Item 3 as applicable to the type of roof covering.** | **Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 4 inches (51 mm); end laps shall be 6inches and shall be offset by 6 feet. The underlayment shall be attached to a nailable deck with two staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches (305 mm)o.c., and one row at the end and side laps fastened 6 inches (152mm) o.c. Underlayment shall be attached using annular ring or deformed shank nails with metal or plastic caps with a nominal cap diameter of not less than 1 inch. Metal caps are required where the ultimate design wind speed, *Vult*, equals or exceeds 170 mph. Metal caps shall have a thickness of not less than 32-gage sheet metal. Power-driven metal caps shall have a minimum thickness of 0.010inch. Minimum thickness of the outside edge of plastic caps shall be0.035 inch. The cap nail shank shall be not less than 0.083 inch for ring shank cap nails and 0.091 inch for smooth shank cap nails. Cap nail shank shall have a length sufficient to penetrate through the roof sheathing or not less than 3/4inch into the roof sheathing.** |
| **Metal Roof Shingles, Mineral-Surface Roll Roofing, Slate and Slate-type Shingles, Wood Shingles, Wood Shakes** | **ASTM D226 Type IIASTM D4869 TypeIII or IV** |

Thanks,

**Mike Silvers, CPRC**

Director of Technical Services

FRSA, PO Box 4850, Winter Park, FL 32793

WE’RE MOVING July 23, 2020 - Our new physical address is:

3855 N. Econlockhatchee Trail, Orlando, FL 32817

407-671-3772 ext. 169

[www.floridaroof.com](http://www.floridaroof.com/)

***“FRSA-Florida’s Association of Roofing Professionals”***

**Addendum**

Mo,

Concerning my submitted errata item **R-FBC-B/R –Ch. 15/9 – Errata #1**. After several comments and a further review of these tables including how they appeared in the FBC 6th Edition (2017), I have came to conclusion that using all words and eliminating the symbols inserted during the last code modification cycle may be the best way to reduce any further typographical errors. Symbols that have an underline are easily confused with the underscoring that is used for added code language during proposed changes. I have attached the tables with this proposed addendum for your reference.

Thanks,

**Mike Silvers, CPRC**

Director of Technical Services

FRSA, PO Box 4850, Winter Park, FL 32793

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CHAPTER 15

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

SECTION 1507

REQUIREMENTS FOR ROOF COVERINGS

TABLE 1507.1.1.1

UNDERLAYMENT WITH SELF-ADHERING STRIPS OVER ROOF DECKING JOINTS

|  |  |  |  |
| --- | --- | --- | --- |
| Roof Covering | Underlayment Type | Underlayment Attachment | |
| Roof Slope 2:12 and Less Than 4:12 | Roof Slope 4:12 and Greater |
| Asphalt Shingles, Metal Roof Panels, Photovoltaic Shingles | ASTM D226 Type II ASTM D4869  Type III or IV  ASTM D 6757 | Apply in accordance with Section 1507.1.1.1, Item 4 or Section 1507.1.1.3, Item 3 as applicable to the type of roof covering. | Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 4 inches; end laps shall be 6 inches and shall be offset by 6 feet. The underlayment shall be attached to a nailable deck with two staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches o.c., and one row at the end and side laps fastened 6 inches o.c. Underlayment shall be attached using annular ring or deformed shank nails with metal or plastic caps with a nominal cap diameter of not less than 1 inch. Metal caps are required where the ultimate design wind speed, Vult, equals or exceeds 170 mph. Metal caps shall have a thickness of not less than 32-gage sheet metal. Power-driven metal caps shall have a minimum thickness of 0.010 inch. The minimum thickness of the outside edge of plastic caps shall be 0.035 inch. The cap nail shank shall be not less than 0.083inch for ring shank cap nails and 0.091 inch for smooth shank cap nails. The cap nail shank shall have a length sufficient to penetrate through the roof sheathing or not less than 3/4 inch into the roof sheathing. |
| Metal Roof Shingles, Mineral-Surface Roll Roofing, Slate and Slate-type Shingles, Wood Shingles, Wood Shakes | ASTM D226Type II ASTM D4869   Type III or IV |

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CHAPTER 9

ROOF ASSEMBLIES

SECTION R 905

REQUIREMENTS FOR ROOF COVERING

TABLE R905.1.1.1

UNDERLAYMENT WITH SELF-ADHERING STRIPS OVER ROOF DECKING JOINTS

|  |  |  |  |
| --- | --- | --- | --- |
| ROOF COVERING | UNDERLAYMENT TYPE | UNDERLAYMENT ATTACHMENT | |
| Roof Slope 2:12 and Less Than 4:12 | Roof Slope 4:12 and Greater |
| Asphalt Shingles, Metal Roof Panels, Photovoltaic Shingles | ASTM D226 Type II ASTM D4869   Type III or IV  ASTM D6757 | Apply in accordance with Section R905.1.1.1, Item 4or Section R905.1.1.3, Item 3 as applicable to the type of roof covering. | Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 4 inches (51 mm); end laps shall be 6inches and shall be offset by 6 feet. The underlayment shall be attached to a nailable deck with two staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches (305 mm)o.c., and one row at the end and side laps fastened 6 inches (152mm) o.c. Underlayment shall be attached using annular ring or deformed shank nails with metal or plastic caps with a nominal cap diameter of not less than 1 inch. Metal caps are required where the ultimate design wind speed, Vult, equals or exceeds 170 mph. Metal caps shall have a thickness of not less than 32-gage sheet metal. Power-driven metal caps shall have a minimum thickness of 0.010inch. Minimum thickness of the outside edge of plastic caps shall be0.035 inch. The cap nail shank shall be not less than 0.083 inch for ring shank cap nails and 0.091 inch for smooth shank cap nails. Cap nail shank shall have a length sufficient to penetrate through the roof sheathing or not less than 3/4inch into the roof sheathing. |
| Metal Roof Shingles, Mineral-Surface Roll Roofing, Slate and Slate-type Shingles, Wood Shingles, Wood Shakes | ASTM D226 Type II ASTM D4869   Type III or IV |

**TAC Recommendation: AM (see Addendum)**

**Commission Action: AM (see Addendum)**

**7th Edition (2020) Florida Building Code, Building**

**CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES**

**R-FBC-B-Ch. 15 – Errata #2**

**Staff**

Errata to reference the correct wind speed figures as per section 1609 of the 7th Edition (2020) FBC-Building.

**TABLE 1507.2.7.1**

**CLASSIFICATION OF ASPHALT SHINGLES**

|  |  |  |  |
| --- | --- | --- | --- |
| **MAXIMUM BASIC WIND SPEED FROM FIGURE ~~1609A, B or C~~1609.3(1),1609.3.(2), 1609.3(3), 1609.3(4) or ASCE 7** | ***Vasd*** | **ASTM D7158** | **ASTM D3161** |
| 110 | 85 | D, G or H | D or F |
| 116 | 90 | D, G or H | D or F |
| 129 | 100 | G or H | D or F |
| 142 | 110 | G or H | F |
| 155 | 120 | G or H | F |
| 168 | 130 | H | F |
| 181 | 140 | H | F |
| 194 | 150 | H | F |

**TAC Recommendation: AM (remove “1609” as noted in red from the 1st column of Table 1507.2.7.1)**

**Commission Action: AM (remove “1609” as noted in red from the 1st column of Table 1507.2.7.1)**

**7th Edition (2020) Florida Building Code, Building**

**CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES**

**R-FBC-B-Ch. 15 – Errata #3**

**Re: Errata Request for the 7th Edition (2020) Florida Building Code (FBC)**

Company: UL LLC July 13, 2021

Address: 6608 N. Western #280

Oklahoma City, OK 73107

Name: Jon Roberts

Title: Senior Regulatory Engineer

Telephone: (405) 760-6724

E-Mail: jonathan.roberts@ul.com

**Code Section on which the Errata is sought:**

2020 Florida Building Code, Chapter 15, Section 1505.9

**Background and Errata Request:**

The section that I am requesting an errata for is in, section 1505.9 regarding rooftop mounted photovoltaic panel systems to correct an error. I am the proponent of the original modification and would like to fix a typographical error as highlighted below that was created when I originally entered into this into the system, which is identified currently as modification #R7703 where I transposed the numbers for the applicable UL Standard.

The language currently reads:

*Roof top mounted photovoltaic panel systems shall be tested, listed and identified with a fire classification in accordance with UL 1703 or UL2073. The fire classification shall comply with Table 1505.1 based on the type of construction of the building.*

The language to be corrected should read as follows:

*Roof top mounted photovoltaic panel systems shall be tested, listed and identified with a fire classification in accordance with UL 1703 or UL 2703. The fire classification shall comply with Table 1505.1 based on the type of construction of the building*

**Summary**

This was a simple transposition of the numbers related to the applicable UL standard, which is UL 2703, I appreciate your help in getting this addressed with an errata.

Please feel free to contact me if there are any questions.

Thank you,



Jon Roberts

Senior Regulatory Engineer

UL LLC

**TAC Recommendation: AS**

**Commission Action: AS**