**From:** Gascon, Jaime (RER) [mailto:Jaime.Gascon@miamidade.gov]   
**Sent:** Wednesday, November 16, 2022 4:19 PM  
**To:** Madani, Mo <Mo.Madani@myfloridalicense.com>  
**Cc:** Rodriguez, Gaspar (RER) <Gaspar.Rodriguez@miamidade.gov>; Gonzalez, Eduardo (RER) <Eduardo.Gonzalez2@miamidade.gov>; Hall, John (RER) <John.Hall2@miamidade.gov>  
**Subject:** FW: Florida Building Code – Code development – Tracking Charts with TAC’s Action from the October 2022 Meetings

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Good afternoon Mo,

On behalf of Miami-Dade County, I request the following modifications be pulled for individual consideration at the December 13-14, 2022 FBC meeting.

|  |  |  |  |
| --- | --- | --- | --- |
| **Group** | **MOD** | **Issue** | **Comment** |
| **Energy/Electrical** |  |  |  |
|  | **9974** | EV (6/3 vote at EE and 4/4 at Energy) | MDC - To be pulled by DBPR Staff.  Needs to be pulled for consideration of A4 language to create Appendix  CC. |
|  | **10370** | EV | MDC - Needs to be pulled for consideration of A3 language to create Appendix  RE. |
|  |  |  |  |
| **Roofing** |  |  |  |
|  | **9998** | RAS118/119/120 by M. Silvers | MDC - Pull – Opposing the original modification disallowing the use of the RAS’ in the non-HVHZ.  Non-HVHZ 1507.3. |
|  | **10176** | Self-Adhered in FBC 1518 | MDC - FRSA’s MOD needs to be pulled. Oppose original MOD and A1 and A2.  SA not supported for use in the HVHZ. (See proposed alternative language attached.) |
|  | **10066** | Ref to TAS’ in non-HVHZ | MDC - Pull – Opposing the original modification disallowing the use of the RAS’ in the non-HVHZ.  Non-HVHZ R905.3 |
|  | **10175** | TAS103 M. Silvers – Structural Denied | MDC - To be pulled by DBPR Staff. Needs to be pulled to uphold denial by structural TAC. |
|  | **10093** | TAS103 – Gaspar’s MOD – Structural Approved | MDC - To be pulled by DBPR Staff.  Needs to be pulled to support the MOD as revised to reflect MDC refined testing req. for underlayments. (See proposed alternative language attached.) |
|  |  |  |  |
| **FBC** | **10211** | Plumbing/ Swimming Pool | MDC - To be pulled by DBPR Staff. Needs to be pulled. Our opposition was not recorded. We do not support reducing restroom calculations. |
|  | **10323** | Plumbing/Swimming Pool | MDC - To be pulled by DBPR Staff. Needs to be pulled. We do not support adding this MOD for damp proofing to the plumbing code. |
|  |  |  |  |

Please contact me if you have any questions.

Thank you for all your support and diligence.

Sincerely,

**Jaime D. Gascon, P.E.**

Director, Board and Code Administration Division

**Miami-Dade County Department of Regulatory and Economic Resources**

11805 SW 26 St, Room 230

Miami, FL 33175-2474

Phone:(786) 315-2508  
[www.miamidade.gov/building](http://www.miamidade.gov/building)

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**(R10093 Revised 11-16-22) Code Mod for TAS 103 Section 7 Wind Uplift**

**7. Wind Uplift**

7.1

This test covers the determination of the wind uplift resistance of materials specified in Section 1 of this Protocol in accordance with ~~TAS 124~~ one of the specified test methods ~~except~~ as noted and modified below.

Any of the following Uplift Testing will be Accepted:

* ANSI FM 4474 Appendix C (5’ X 9’) 3 specimens
* ANSI FM 4474 Appendix D (12’ X 24’) 1 specimen
* UL 1897 (10’ X 10’) 3 specimens
* TAS 114 Appendix C (5’ X 9’) 3 specimens
* TAS 114 Appendix J (12’ X 24’) 1 specimen

7.1.1

Test Deck Construction

7.1.1.1

Test is being conducted on materials noted in Section 1 of this Protocol; therefore, any reference to “roof membrane” ~~in TAS 124~~ shall be regarded as ‘underlayment.’

7.1.1.2

~~Four (4) 8' × 8'~~ ~~t~~Number of test specimens will be as specified in 7.1 for the testing method chosen. Test decks shall be constructed of 40/20 span rated 19/32 in. thick APA Rated Plywood Sheathing attached to wood joists spaced 24 o.c. ~~Each test deck shall consist of four (4) panels of said sheathing, the corners of which shall meet at the center of each test deck, leaving a 1/8 in. gap between panels.~~ Plywood Sheathing shall be attached to wood joists with 8d ring shank nails spaced 6” o.c. at the panel edges and at intermediate supports.

7.1.1.3

To each specimen ~~A~~adhere one (1) layer of the proposed TAS 103 self-adhered underlayment onto a mechanically attached approved or prescriptive anchor sheet, which will be included within the product approval’s scope of use. ~~to each test deck.~~

7.1.2

Procedure

7.1.2.1

Test shall be ~~a~~ performed in an approved laboratory. ~~test not a field test; therefore, any instruction in TAS 124 which references “building or outdoor conditions” shall be regarded as “laboratory conditions.”~~

7.1.2.2

Regulate the negative pressure in the chamber. Begin by raising the negative pressure in the chamber to 30 lbf/ft2 and holding this pressure for one (1) minute. Thereafter, raise the negative pressure in increments of 15 lbf/ft2, holding each incremented pressure for one (1) minute, until the negative pressure has been held at 90 lbf/ft2 for one (1) minute. Continue raising the negative pressure in 15 lbf/ft2 increments and holding each incremented pressure for one (1) minute, until failure occurs.

7.1.3

Report results in accordance with the testing method chosen and as specified herein.

7.1.3.1

Any test specimen which exhibits any significant separation between the membrane and tested ~~substrate~~ anchor sheet shall be considered as failing. ~~the wind uplift test.~~ Any test specimen which exhibits fastener pull out of the substrate or fastener pull through of the anchor sheet shall be considered as failing. Any test specimen which fails to hold the negative pressure for

90 lbf/ft2 for one (1) minute shall be considered as failing.

**Mod 10176**

**Alternative Language by MDC**

**~~1518.2 Underlayments.~~** ~~Underlayment shall be as defined in Section 1513. Underlayment shall be installed in compliance with the roofing component product approval and shall be in compliance with the following minimum requirements:~~

**~~1518.2.1~~** ~~Underlayment shall be attached to a nailable deck in a grid pattern of 12 inches (305 mm) between the overlaps, with 6-inch (152 mm) spacing at the overlaps.~~

**~~1518.2.2~~** ~~Where the architectural appearance of the underside is to be preserved, the underlayment shall be secured in accordance with Section 1519.5.2.~~

**~~1518.2.3~~** ~~Tin caps and nails or cap nails shall be as defined in Section 1517.5.2.~~

**~~1518.2.4~~** ~~Underlayment nails shall be as defined in Section 1517.5.1.~~

**1518.2 Underlayment.** Underlayment shall be as defined in Section 1513. Underlayment shall be installed in compliance with the roofing component product approval and shall be in compliance with the following minimum requirements:

**1518.2.1** If the underlayment is a self-adhering membrane, the membrane shall be applied over a mechanically attached anchor sheet, attached in compliance with this Section.

**1518.2.2** Self-adhering underlayment intended for use under tile systems shall be an Approved underlayment in accordance with TAS 103. Mechanically fastened underlayment intended for use under tile systems shall be an Approved underlayment in accordance with TAS 104.

**1518.2.3** Underlayment shall be attached in a grid pattern of 12 inches (305 mm) between the overlaps, with 6-inch (152 mm) spacing at the overlaps, all end laps shall be a minimum of 6 inches (152 mm).

**1518.2.4** Where the architectural appearance of the underside is to be preserved, the underlayment shall be secured in accordance with Section 1519.5.2.

**1518.2.5** Fasteners shall be as defined in Section 1517.5.

**~~1518.3~~** ~~If the underlayment is a self-adhering membrane, the membrane shall be applied over a mechanically attached anchor sheet, attached in compliance with Section 1518.2.1.~~

**1518.3 Underlayment Products.** All underlayment applications for prepared roof coverings shall be applied in compliance with the manufacturer roofing assembly product approval, and shall be not less than one of the following:

1. ASTM D226, Type II or ASTM D8257 or ASTM D4869 Type III, Type IV

2. ASTM D2626 coated base sheet

**~~1518.4~~** ~~All underlayment applications for prepared roof coverings shall be applied in compliance with the manufacturer roofing assembly product approval, and shall be not less than one of the following: (1) a double layer of an ASTM D226 Type I, with a 19-inch (483 mm) headlap; or (2) a single layer of an ASTM D226, Type II with a 4-inch (102 mm) headlap; or (3) a single layer of an ASTM D2626 coated base sheet with a 4-inch (102 mm) headlap, and (4) all endlaps shall be a minimum of 6 inches (152 mm).~~

**1518.4 Underlayment Application.** Underlayment for asphalt shingles, metal roof shingles, slate and slate-type shingles, and metal roof panels shall comply with one of the following methods:

1. All joints in structural panel roof sheathing or decking shall be covered with a 3 ¾ inch (102 mm) to 6 inch (153 mm) wide strip of self-adhering polymer modified bitumen tape complying with ASTM D1970 or a flexible flashing tape complying with AAMA 711, Level 3 [for exposure up to 176°F (80°C)], applied directly to the sheathing or decking. The entire deck and taped joints shall be covered with one of the underlayment systems indicated in item 2 approved for the roof covering to be applied to the roof.

Exception:

Roof slopes 4:12 or greater can have underlayment installed with 4-inch side lap.

1. Two layers of ASTM D226 Type II or ASTM D4869 Type III, Type IV, or ASTM D8257 underlayment shall be installed as follows: Apply a strip of underlayment that is half the width of a full sheet parallel to and starting at the eaves, fastened sufficiently to hold in place. Starting at the eave, apply full sheets of reinforced underlayment, overlapping successive sheets half the width of a full sheet plus 2 inches. End laps shall be 6 inches (152 mm) and shall be offset by 6 feet (1829 mm). Underlayment shall be attached to a nailable deck with corrosion-resistant fasteners as defined in Section 1517.5 with a maximum fastener spacing measured horizontally and vertically of 12 inches (305 mm) o.c. between side laps, and one row at the end and side laps fastened 6 inches (152 mm) o.c.