



Florida Building Codes

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OFFICE OF THE SECRETARY

Petition #	231
Submitted By	Jerry Peck
Date Submitted	02/10/2022
Comment	<p>Comment 1: In the first section "Enter explanation of how the Petitioner's substantial interests ... ", the Petitioner stated "Building Official was looking at the wrong Wind Speed Zone category (Alachua County 130 mph) on both the product approval and the installation manual (page 9 of Installation Manual with reference from page 5 of product approval)." //// The "the installation manual (page 9 of Installation Manual" is superseded by the Florida Product Approval, # 12725.1 R3, which on page 5, does not state a wind speed, it states "Spacing: See Uplift Table", with the 'Uplift Table' apparently being identified as " Allowable Design Uplift Pressure: Table "A" " on page 2 of the Florida Product Approval, with Table "A" showing "Maximum Total Uplift Design Pressure: 63.5 psf" (the maximum the roof panel system is rated for) and "Panel Slot Fastener Spacing: 5 3/16" O.C." (this presumably allows the fasteners to vary in spacing provided a fastener is within each provided 'panel slot' for fastener spacing as no "fastener spacing" is actually specified). //// The Petitioner further stated: "The screw pattern used is the correct one for Alachua County's Wind Speed Zone category (10-1/8)" ... I may have missed it, but I did not find a 10-1/8" fastener spacing shown on Florida Product Approval, # 12725.1 R3. The report by Robert J. Brady, P.E. states "Screw fasteners were noted at a spacing of 6"+/-." //// There are inconsistencies and conflicts within the Binding Interpretation submittal and its statements, including, but not necessarily limited to, the aspects addressed in the following comments. Each aspect is addressed in a separate comment for clarity. //// The Florida Building Code references given in the separate comments indicate the following: "FBC-B" indicates the Florida Building Code, Building;</p>

"FBC-R" indicates the Florida Building Code, Residential.

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Date Submitted	02/10/2022
Comment	<p>Comment 2: In the second section "Enter statement of the interpretation given to provisions of the Florida Building Code by the local building official ... ", this was stated: "The only code section that is relevant is as follows; R904.1Scope. The requirements set forth in this section shall apply to the application of roof covering materials specified herein. Roof assemblies shall be applied in accordance with this chapter and the manufacturer's installation instructions. Installation of roof assemblies shall comply with the applicable provisions of Section R905." //// There are various sections referenced in FBC-R R904.1, those referenced sections are also relevant, which makes Section R904.1 just the starting point as to what is referenced as being applicable (relevant). //// Also note that FBC-R R101.2.1 and FBC-B [A]102.1 are applicable. FBC-R R101.2.1 references FBC-B [A]102.1 General, which states "Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern." //// Additionally, FBC-R R904.1 Scope states "Roof assemblies shall be applied in accordance with this chapter and the manufacturer's installation instructions." The manufacturer's installation instructions being referenced are the Florida Product Approvals for roof coverings, where "this chapter" refers to Chapter 9 Roof Assemblies and brings in all sections of Chapter 9 which are applicable to the roof covering being addressed.</p>

Submitted By	Jerry Peck
Date Submitted	02/10/2022
Comment	<p>Comment 3: In the third section "Enter statement of the interpretation that the petitioner contends should be given ... ", no "statement of the interpretation that the petitioner contends should be given" was provided. The Petitioner only stated re-stated what they had done. //// Additionally, the Petitioner stated: "Petitioner followed the installation instructions for the Reed's Metal Perma-Loc Standing Seam."; however, the Petitioner did not</p>

follow the 'manufacturer's installation instructions' which they referenced (i.e., the "Reed's Metals Inc. Detail Manual" and their reference to "Mississippi Building Code requires"). Those 'manufacturer's installation instructions', on page 8, just above the "Policies" paragraph, states: "For solid decking, at least 1/2-inch structural plywood or OSB (5/8" for any high velocity wind zone of 120 and above) supported on rafters at a maximum of 24" on is required." That states 5/8" roof sheathing is required in wind zones of 120 and greater (15/32" roof sheathing was installed, as documented in the report "Site Specific Engineer Report" by Robert J. Brady, P.E. as "The installation consists of ... over 15/32" plywood sheathing." If this "Detail Manual" is to be referenced for other than installation and use of the detail components, i.e., wind speed, roof slope, etc, then the 5/8" roof sheathing requirement in wind zones 120 and greater would also be applicable.

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