

**Florida Building Commission**  
**Building / Structural Technical Advisory Committee**  
**May 13, 2002**  
**Committee Report**

**The Committee met and discussed eight Declaratory Statements providing the following recommendations:**

- (1) DCA02-DEC063 (DASMA) - New Techniques to provide a method of compliance with the Code, specifically garage door wind load guides. The Petitioner request that the Commission approve the guide as meeting the objectives of the Florida Building Code.

**Committee Action:**

the Committee recommends to deny the request on the bases that it does not meet the legal criteria for a Dec. Statement and that the guide is not acceptable in its present format which provides for several disclaimers without engineering design responsibility.

- (2) DCA02-DEC-114- Design pressure on windows / mullion. The Petitioner is requesting clarification on whether the intent of Section 1707.4.5.4 is to require mullions design to 1.5 time the design pressure for all performance criteria of Section 1707.4.5.

**Committee Action:**

The Answer is “NO”. It is clear from Section 1707.4.5.4 that the mullions must be designed to factor of safety of 1.5. This means that it must be able to resist 1.5 times the design pressure load. Mullions must be designed to transfer the design pressure load. in accordance with Section 1707.4.5.2. Maximum deflection of L/175 must be at the design pressure loads and in accordance with Section 1707.4.5.4.

- (3) DCA02-DEC-115-Design pressure on windows. The Petitioner requested answer to the following questions with regard to the applicability of the Wind Directionality Factor (kd) of ASCE 7 to Chapter 24 of the Florida Building Code:

**Committee Action:**

Question #1: Do the load combination specified in section 2.3 and 2.4 of ASCE 7 have any applicability to wind and sliding glass door analysis?

Answer: “Yes”. Assuming that the gravity load for the designed component is zero does not mean that no load combination exists. It is the TAC opinion that load combination does exist with the assumption that the dead load is zero.

Question #2: If the answer to question #1 is “yes” how are ASCE 7 load combination to be reconciled against Chapter 24, Section 2405.3 and 2405.3.2.1 load combinations?

Answer: It is the intent of the Code to treat Chapter 24 and 1606 independently and the “KD” value should not be used in Chapter 24. Further, it is the intent of the Code that wind loads determined by 1606 be applied to the load combinations of Chapter 24 without any adjustment.

- (4) DCA02-DEC-125 - Emergency escape and rescue openings. The Petitioner request clarification relative to the Section 1005.4 regarding emergency escape and rescue windows, required by the code, which opens into a screen enclosure. The questions are “Does this requirements for escape and rescue opening intend to provide the opening must discharge to an open area that leads to a public way? and can the escape be through a screen enclosure, open to atmosphere, where a screen door is provided leading away from the residence?”

**Committee Action:**

It is the Committee recommendation that an emergency opening/escape can open into a screen enclosure, open to atmosphere, where a screen door is provided leading away from the residence.

- (5) DCA02-DEC-130 - Registered termiticide labeled for new construction. The Petitioner is requesting clarification with regard to whether the meaning of the term “registered termiticide labeled for new construction” means to be registered with the state through the Pesticides Bureau of the Department of Agriculture & Consumer Services.

**Committee Action:**

Question #1: What is the meaning of a “registered” termiticide labeled for new construction? Is it to be registered with the state through the Pesticides Bureau of the Department of Agriculture & Consumer Services?

Answer: “Yes.” “Registered” means registered with Bureau of Pesticides and Pest Control, Florida Department of Agriculture and Consumer Services as per Chapter 487, F.S.

Question #2: If the answer to this question is yes, then does a termiticide registered with the Pesticides Bureau and labeled for new construction comply with the building code?

Answer: “Yes.”

- (6) DCA02-DEC-132 - Attic ventilation. The Petitioner request clarification relative to Section 2603.5.1.6 regarding the use of foam plastic insulation in attics. It is the petitioner’s position that there is no need to provide protection from ignition for the foam plastic, because there is in his words “no source if ignition” in the attic.

**Committee Action:**

It is the Committee recommendation that foam in attic must be protected in accordance with Section 2603.5.1.6 of the Code.

- (7) DCA02-DEC-128. The Petitioner requests clarification on what constitutes the term “new” relevant to factory built or relocatable classroom structures. Does “new” mean newly constructed or new to a location.

The TAC discussed the Dec. Statement and requested that staff discuss the issue with Department of Education (DOE) staff and request that a DOE representative attend the Structural TAC meeting in July for further discussion of this issue.

Report of the Roofing Structural Sub-Committee:

The Sub-Committee met and identified items / scope needed for the development of the roofing advanced course. The Sub-Committee voted to utilize existing roofing training courses currently available from interest groups. The Committee will review these existing courses and determine whether they cover the items / scope identified for the roofing advanced course.

The Sub-Committee voted to request that any code changes with regard to the roofing code requirements should be referred to the Roofing Sub-Committee for review and input.