

Legal Report
March 20, 2006

DCA05-DEC-219 by Dr. Humayoun Farooq, PE, Al-Farooq Corporation:

The Petitioner request that the following statement be confirmed:

1. The interpolation between three & four sided support charts (single hung windows) and two & four sided support charts (sliding glass doors) in ASTM E1300-02 is permissible for one or two sided flexible support conditions based on engineering analysis and boundary conditions.

Answer: True. However, the ASTM E 1300-02 document assumes firm support of the glass edges (L/175 maximum deflection), and there are no procedures given or implied for flexible support conditions. Use of the E 1300-02 charts for interpolation for windows or doors with flexible support(s) is outside the scope of E 1300-02, and therefore if this interpolation is done, it is at the discretion of the engineer.

2. Testing to 1.5 times the design load does not provide a sufficient safety factor for brittle materials like glass. The correct safety factor for the statistical probability of breakage of 8/1000, the basis of the ASTM E 1300-02 charts, requires testing to 2.5 times the design load.

Answer: No. Factor of safety to be used in testing the product in question (Sliding Glass Door with one or two sided flexible support) must be in accordance with the testing criteria of AAMA/WDMA 101/I.S. 2/NAFS and TAS 202 for the HVHZ. The Code does not specify a specific deflection limit for the product in question. Therefore, deflection limit must be as tested.

3. ASTM E 1300-02 charts (Fig. A1.1 thru A1.12 and Fig. A1.27 thru A1.33) for four side support cannot be used for glazing products with one or two sides supported by flexible members/meeting rails without further engineering analysis.

Answer: False. The AAMA/WDMA 101/I.S. 2/NAFS standards allow the use of ASTM E 1300 for Residential and Commercial windows and doors without regard to the amount of deflection of the glass supports. The only products that are explicitly required by AAMA/WDMA 101/I.S. 2;NAFS or TAS 202 to meet the L/175 maximum deflection criteria are HC (Heavy Commercial) and AR (Architectural) rated products as defined in the AAMA/WDMA 101/I.S. 2/NAFS standards.

DCA06-DEC-003 by Martha A. Heller.

Status: request is not specific to a project and thus staff recommends dismissal.

DCA06-DEC-008 by Gary Harrison, Contractor Sales, Inc.

Status: request was referred to the local appeal board and thus staff recommends Dismissal.

DCA06-DEC-014 by Kevin McGrath, P.E. for Four Seasons Solar Products, LLC.

Question #1: The Petitioner interprets ~~Part 4 of Section 1609.1.4~~ R301.2.1.2 Internal pressure to mean that openings in sunrooms are not required to be protected as long as they are separated from the building and are designed as partially enclosed or enclosed structures. Is this correct?

Answer: No, sunroom in question is a totally a new sunroom and thus must be either designed as partially enclosed or enclosed with protection.

Question #2: With regard to sunrooms only, they are not required to be constructed under an existing roof or deck to avail themselves to the provisions of this section. Is this correct?

Answer: the exception is only allowed for sunrooms constructed under existing roofs.

DCA06-DEC-067 by Joseph Hetzel, P.E., DASMA.

Question: Can a manufacturer use test reports initiated before January 1, 2006, compliant with the Rule in effect at the time of initiation of the testing, when applying for state product approval under the current Rule?

Answer: No. According to Rule 9B-72.070(4), testing must be performed in test lab which is accredited by an approved Accreditation entity for the test performed.

DCA06-DEC-068 by Jack Glenn, CBO for Florida Home Builders Association.

Question: Does a single step down constitute a stairway? If there is step down at the door way must the door be in swing.

Answer: according to the definition of the terms "Stair" and "Stairway", the answer is "Yes". With regard to the second part of the question, the answer is as follows:

With regard to an exterior door other then the exit door, the answer is "No". Exterior doors other than exit doors are not required to have exterior landing where stairways of two or fewer risers are located on the exterior side of the doors. The Code does not provide provisions with regard to the landing in question.

With regard to the exit door, the answer is also "No".

(Note: Due to the change which was made to R 311.4.3 under the 2005 Supplement “ see above”, the second exception is no longer valid or applicable and should have been deleted. It is an exception to no requirement.)

DCA06-DEC-071 by Bob Ousley for Kodi Klip Corporation.

Status: referred to the local appeal board and thus staff recommend dismissal.

DCA06-DEC-072 by Diego Rivera for Diritec Corporation.

Question: Does a non-structural accessory for siding application such as our Plvcem Trim falls within the scope of Rule 9B-72?

Answer: Yes. The product in question is siding and therefore falls within the scope of Rule 9B-72.