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**To:** ICC-ES Evaluation Committee  
**From:** Michael O'Reardon  
**Date:** September 29, 2009  
**Subject:** Proposed Revisions to the Acceptance Criteria for Molded Plastic Footing Pads, Subject AC49-1009-R1 (MO/BG)

**MEMO**

Public comments have been received regarding the subject criteria. The comments, posted on our web site, were received from the National Frame Building Association and NTA Inc.. The comments submitted provide a response to the staff's request for input concerning items 2.a. and 2.b. of the staff letter dated September 1, 2009.

The letter from the National Frame Building Association, dated September 15, 2009, provides a response to staff's comment 2.a. The letter refers to the reference standard ASABE/ANSI EP 486.1 (2000), Shallow-post Foundation Design, American Society of Agricultural and Biological Engineers, as the design method for documenting lateral and vertical uplift loads on post-frame building systems. This standard is referenced in the 2006 and 2009 IBC.

The letter from NTA Inc., dated September 17, 2009, provides a response to staff's comment 2.b. The letter indicates that the differential settlement allowed under Section 4.5.4.3 of the criteria would not be a problem with post-frame buildings. NTA's opinion is that post-frame structures will tolerate a 3/4-inch differential settlement.

The staff is in agreement with the above comments and recommends the following revisions to the criteria:

Add new Section 1.3.8:

**1.3.8 ASABE/ANSI EP 486.1 (2000), Shallow-post Foundation Design, American Society of Agricultural and Biological Engineers**

Revise Section 6.2.8:

**6.2.8 Design calculations in accordance with Chapter 18 of the IBC, Chapter 4 of the IRC and ASABE/ANSI EP 486.1 must be submitted to the code official documenting uplift and lateral load resistance.**

Add a new condition of use concerning 3/4-inch differential settlement.

**6.2.9 The allowable soil bearing pressure and vertical movement for the [trade name of molded plastic footing pad product] must be determined by a site-specific geotechnical investigation or evaluation in accordance with Section 1803 of the IBC or Section R401.4 of the IRC. A geotechnical investigation or evaluation must be submitted to the code official for approval, when required by the applicable code.**

Thank you for consideration of the above items.