

August 27, 2007

Dan Tingen
Tingen Construction Company
8411 Garvey Drive/#101
Raleigh, NC 27616

RE: Agenda for the September 10 - 11, 2007 NC Building Code Council Meeting.

Mr. Tingen:

This is officially to notify you and other interested parties of a regularly scheduled meeting of the NC Building Code Council. The September NC Building Code Council meeting will be held at the NC Department of Insurance, SHIIP Building, 11 South Boylan Avenue, Raleigh, NC 27603. Persons requiring auxiliary services should notify the Council at least ten business days prior to the meeting.

1. The Work Session will begin at 9:00AM on Monday, September 10, 2007 and is open to the public on a noncontributing basis.
2. The Public Hearing will begin at 1:00PM on Monday, September 10, 2007. The Council will receive comments at this time. At the close of the hearing, committees may meet.
3. Committee meetings (Structural, Mechanical, other) will be held at the close of the Work Session and Public Hearing.
4. The NC Building Code Council meeting will begin at 9:00AM on Tuesday, September 11, 2007. Appeals, if any, will be heard at the close of the meeting.

Part A – Administrative Items

Item A – 1 Executive Order: Inquire upon conflicts of interest or appearance of conflicts of interest that exist within the Council.

Item A – 2 Approval of minutes of the June 12, 2007 NC Building Code Council Meeting.

Item A – 3 Election of Chair and Vice-Chair to a two year term.

Item A – 4 Atlantic Beach request for adoption of the current fire code with additional ordinances.

Item A – 5 Rules Review Commission meeting report - 6/28/07 and 8/23/07

Part B – New Petitions for Rulemaking

Item B – 1 Request by David Smith, Chairman of the Residential Standing Committee, to amend the 2006 NC Residential Code for One and Two Family Dwellings, Section R311.5.6.3. The proposed amendment is as follows:

R311.5.6.3 Handrail grip size. All required handrails shall be of one of the following types or provide equivalent graspability.

1. Type I. Handrails with a circular cross section shall have an outside diameter of at least 1¹/₄ inches (32 mm) and not greater than 2 inches (51 mm). If the handrail is not circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6¹/₄ inches (160 mm) with a maximum cross section of dimension of 2¹/₄ inches (57 mm).
2. Type II. Handrails with a perimeter greater than 6¹/₄ inches (160 mm) shall provide a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of ³/₄ inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least ⁵/₁₆ inch (8 mm) within ⁷/₈ inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least ³/₈ inch (10 mm) to a level that is not less than 1³/₄ inches (45 mm) below the tallest portion of the profile. The minimum width of the handrail above the recess shall be 1¹/₄ inches (32 mm) to a maximum of 2³/₄ inches (70 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).

Exception: Exterior handrails (garages and areas exposed to the weather) shall not be more than 3-1/2 inches in cross-section dimension.

Item B – 2 Request by David Smith, Chairman of the Residential Standing Committee, to amend the 2006 NC Residential Code for One and Two Family Dwellings, Section R302.1. The proposed amendment is as follows:

R302.1 Exterior walls. Exterior walls with a fire separation distance less than 3 feet (914 mm) shall have not less than a one-hour fire-resistive rating with exposure from both sides. Projections shall not extend to a point closer than 2 feet (610 mm) from the line used to determine the fire separation distance.

Exception: Detached garages accessory to a dwelling located within 2 feet of a lot line shall be permitted to have roof eave projections not exceeding 4 inches.

Projections extending into the fire separation distance shall have not less than one-hour fire-resistive construction on the underside. The above provisions shall not apply to walls which are perpendicular to the line used to determine the fire separation distance.

Exceptions:

1. Tool and storage sheds, playhouses and similar structures exempted from permits by Chapter 1 are not required to provide wall protection based on location on the lot. Projections beyond the exterior wall shall not extend over the lot line.
2. In Townhouse construction (with 3 or more attached dwellings) the soffit material shall be securely attached to framing members and shall be constructed using either non-combustible soffit material, fire retardant treated soffit material, vinyl soffit installed over 3/4 inch wood sheathing or 5/8 inch gypsum board, or aluminum soffit installed over 3/4 inch wood sheathing or 5/8 inch gypsum board. Venting requirements shall apply to both soffit and underlayments and shall not exceed the minimum net free air requirements established in section R806.2 by more than 150%. Vents in soffit are not allowed within four feet of property lines.

Item B – 3 Request by the Staff of the NC Department of Insurance to adopt the following codes with the NC Amendments:

- A. 2006 International Building Code
- B. 2006 International Energy Conservation Code
- C. 2006 International Fire Code
- D. 2006 International Fuel Gas Code
- E. 2006 International Mechanical Code
- F. 2006 International Plumbing Code
- G. 2006 International Residential Code
- H. 2008 National Electrical Code

Item B – 4 Other Requests

Part C – Notice of Rulemaking Proceedings and Public Hearing

The following Petitions for Rulemaking have been granted by the Council. Notice of Rulemaking proceedings has been made. The Public Hearing will be held September 10, 2007 and the Final Adoption meeting may take place on or after December 11, 2007.

Item C – 1 Request by David Smith, Chairman of the Residential Standing Committee, to amend the 2006 NC Residential Code for One and Two Family Dwellings, Section R202. The proposed amendment is as follows:

R202 Definitions. WINDBORNE DEBRIS REGION. Areas within hurricane-prone regions ~~within 1500 feet (0.452 km) of the mean high water line of the Atlantic Ocean~~ defined as that area east of the inland waterway from the NC/SC State line north to Beaufort Inlet; from that point to include the barrier islands to the NC/VA State line.

Motion – Al Bass/Second – Mack Nixon/Passed – The petition as amended above was Granted with one disapproval. This petition also applies to the 2006 NC Building Code, Section 1609.2.

Item C – 2 Request by Bryan Readling, APA – The Engineered Wood Association, to amend the 2006 NC Residential Code for One and Two Family Dwellings, Sections R4404.3.4, R4406.3 and R4408.4. The proposed amendments are as follows:

4404.3.4 Exterior Concrete Slab-on-grade Footings. Vertical reinforcement shall be installed at intervals not to exceed Table 4404.1.1 and shall terminate in a double sole plate.

Exception: Vertical reinforcement (anchorage) shall be installed at intervals not to exceed Table 4404.1a where the bars terminate in a single sole plate. Approved strap anchors or wood structural panels shall be installed to provide a continuous load-path from the single sole plate to the wall.

4406.3 Gable endwalls. Gable endwalls in the 110, 120, and 130 mph wind zones shall either be supported by lateral bracing at the ceiling or have continuous studs from the floor to the roof. 2 x 4 studs at 16 inches on center are limited to 10 feet in length between supports. Non bearing 2 x 6 SPR#2 studs at 16 inches on center with 3/8" wood structural panel sheathing are limited to unsupported lengths of 18 feet in 110 mph, 16 feet in 120 mph and 14 feet in 130 mph wind zones. ~~Wood structural panel sheathing shall extend 12 inches beyond construction joints.~~

4408.4 Anchorage using wood structural panels. Wood structural panel sheathing may be used to resist both lateral load and uplift simultaneously. Panels shall be installed as follows:

- ~~5. Panels shall extend 12 inches beyond construction joints and shall overlap girders their full depth.~~

Motion – Barry Maness/Second – Al Bass/Passed – The Petition was Granted Unanimously.

Item C – 3 Request by David Smith/Barry Gupton, Residential Ad Hoc Committee, to amend the 2006 NC Residential Code, Figure R403.1(1), Section R403.1.4, Table R403.1. The proposed amendment is as follows:

Figure R403.1(1), Note 1 – Foundation shall extend not less than 12 inches below the finished ~~natural~~ grade or engineered fill and in no case less than the frost line depth. The bottom of the footing shall be supported on natural soil or engineered fill.

Section R403.1.4 Minimum depth. All exterior footings and foundation systems shall extend below the frost line specified in Table R301.2(1). In no case shall the bottom of the exterior footings be less than 12 inches (305 mm) below finished grade or engineered fill.

Exception: Frost protected footings constructed in accordance with Section R403.3 and foots and foundations erected on solid rock shall not be required to extend below the frost line.

In Seismic Design Categories D₁ and D₂, interior foots supporting bearing walls or bracing walls and cast monolithically with a slab on grade shall extend to a depth of not less than 18 inches (457 mm) below the top of the slab.

Table R403.1 – In 1,500 and 2,000-psf columns, change all values 12 and 15-inch widths to 16-inch.

Add footnote: A minimum footing width of 12 inches is acceptable for monolithic slab foundations.

Motion/Second/Passed – The Petition was Granted Unanimously. The footnote only applies to values changed from 12 to 16-inch.

Part D – Final Adoption

The following Petitions for Rulemaking have been granted by the Council. Notice of Rulemaking proceedings and Public Hearing has been made. The Public Hearings were held June 11, 2007. The Final Adoption meeting will take place on September 11, 2007. The Council will give no further

consideration to Petitions that are disapproved. Petitions that are approved will proceed through the Rulemaking process.

Item D – 1 Request by Wayne Hamilton, to amend the 2006 NC Building and Fire Codes, Section 905.2. The proposed amendment is as follows:

905.2 Installation standards. Standpipe systems shall be installed in accordance with this section and NFPA 14.

~~**Exception:** In other than high rise buildings, where buildings are sprinklered in accordance with Section 903.3.1.1, the water supply is not required to meet the higher pressures required for a standpipe system.~~

This exception is addressed in the Standard. There were no other comments from the public on this item.

Part E – Reports

Chairman’s Report

Ad Hoc Committee Reports

Standing Committee Reports

Staff Reports

Part F – Appeals

Sincerely,

Christian Noles
Secretary, NC Building Code Council