

August 19, 2005

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

RE: Agenda for the September 13, 2005 NC Building Code Council Meeting.

Mr. Tingen:

This is to officially 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 Statesville Convention and Visitors Bureau located at 111 Depot Lane, Statesville, NC 28677. Persons requiring auxiliary services should notify the Council at least ten working days prior to the meeting.

1. The Work Session will begin at 9:00AM on Monday, September 12, 2005 and is open to the public on a noncontributing basis.
2. Committees may meet at the close of the Work Session.
3. The Public Hearing will begin at 1:00PM on Monday, September 12, 2005. The Council will receive comments at this time. At close of hearing, committees may meet.
4. Appeals will be heard at the close of the Public Hearing.
5. The NC Building Code Council meeting will begin at 9:00AM on Tuesday, September 13, 2005.
6. Appeals will be heard after the close of the meeting.

Part A – Administrative Items

Item A – 1 Executive Order: 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 14, 2005 NC Building Code Council Meeting.

Item A – 3 Letters of reappointment to the NC Building Code Council for Brad Lail, Dan Murray, and Dan Tingen.

Item A – 4 Election of chair and vice-chair for a two year term.

Item A – 5 Residential Building Code study letter.

Part B - Part B – New Petitions for Rulemaking

The following Petitions for Rulemaking have been received since the last Council meeting. The Council will vote either to deny or grant these Petitions. The Council will give no further consideration to Petitions that are denied. Petitions that are granted may proceed through the Rulemaking process. The Council may send any Petition to the appropriate committee. The hearing will take place on or after December 12, 2005.

Item B – 1 Request by Larry Walters, AIA, Gantt Auberman Architects to delete and substitute the NC Accessibility Code, Section 10.2.2 as follows:

10.2.2 Vertical clearances shall be 80 inches high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches high. The leading edge of such guardrail or barrier shall be located 27 inches maximum above the finished floor ground.

Exception: Door closers and door stops shall be permitted to be 78 inches minimum above the finish floor or ground.

Item B – 2 Request by Steven Mayer, Harrell, Hopper and Associates to revise the NC Plumbing Code, Section 412.6 as follows:

412.6 Trap primers. The water sealer of floor drain traps shall be maintained in conformance with 1002.4 Trap seals or by an automatic trap primer, ~~drainage from a clear water fixture or~~ other method acceptable to the authority having jurisdiction.

Item B – 3 Request by Jacob Thadathil, New Horizons Fair Housing Committee to revise the NC Building Code, Section 907.9.1.3 to require visible alarms in Group R-2 apartments.

Item B – 4 Request by Nycon, Inc. to add new section 1909.3 to the NC Building Code as follows:

1909.3 Temperature-Shrinkage Reinforcement. Concrete slabs on ground containing synthetic fiber reinforcement. Fiber length shall be ½ inch to 2 inches (13 to 51 mm) in length. [Typically specified length shall be ¾” (19 mm)]. Dosage amounts shall be from 1.0 to 1.5 pounds per cubic yard (0.6 to 0.9 kg/cubic meter) in accordance with the manufacturer’s recommendations. The synthetic fibers shall comply with ASTM C1116, Section 4.1.3 and Note 3 and ICC ES AC32, Sections 4.1.1 and 4.1.2. The manufacturer or supplier shall provide certification of compliance with ASTM C1116 and ICC ES AC32 when requested by the building official.

Concrete slabs on ground containing 6x6 W1.4xW1.4 welded wire reinforcement fabric located in the middle to the upper 1/3 of the slab. Welded wire reinforcement fabric shall be supported with approved materials or supports at spacing not to exceed 3 ft (914 mm) in both the North-South and East-West directions or in accordance with the manufacturer’s specifications. Welded plain wire reinforcement fabric for concrete shall conform to ASTM A 185, Standard Specification for Steel Welded Wire Reinforcement, Plain for Concrete Reinforcement.

Item B – 5 Request by Nycon, Inc. to add new section R506.1.1 to the NC Residential Code as follows:

R506.1.1 Temperature-Shrinkage Reinforcement. Concrete slabs on ground containing synthetic fiber reinforcement. Fiber length shall be ½ inch to 2 inches (13 to 51 mm) in length. [Typically specified length shall be ¾” (19 mm)]. Dosage amounts shall be from 1.0 to 1.5 pounds per cubic yard (0.6 to 0.9 kg/cubic meter) in accordance with the manufacturer’s recommendations. The synthetic fibers shall comply with ASTM C1116, Section 4.1.3 and Note 3 and ICC ES AC32, Sections 4.1.1 and 4.1.2. The manufacturer or supplier shall provide certification of compliance with ASTM C1116 and ICC ES AC32 when requested by the building official.

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Item B – 6 Request by Rick Frady to revise the NC Residential Code, Appendix M, Table 7 to delete the word “unbraced.”

Item B – 7 Request by Dan Tingen, NCBCC Chair, to add a new definition for “Equipment” in the NC Electrical Code.

Part C – Notice of Rulemaking Proceedings and Public Hearing

The attached Petitions for Rulemaking have been granted by the Council. Notice of Rulemaking proceedings has been made. The Public Hearing will be held September 12, 2005 and the Final Adoption meeting will take place on or after December 13, 2005. No further action is required by the Council at this time.

Item C – 1 2006 NC Administrative Code and Policies.

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 13, 2005 and August 8, 2005. The Final Adoption meeting will take place on September 13, 2005. 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 Review/Approve Rules Review Commission comments.

Item D – 2 Request by Cyrus Dastur, Advanced Energy, to modify the Residential Code, Sections R318 and R409 related to foam plastic flamespread.

The following revised language was given to the Council for consideration during the work session on Monday, March 7, 2005:

R318.2.3 Attics and crawl spaces. Within attics and crawl spaces where entry is made only for service of utilities, foam plastic shall be protected against by 1 ½ inch-thick (38mm) mineral fiber insulation, ¼-inch thick (6.4mm) wood structural panels, 3/8-inch (9.5mm) particleboard, ¼-inch (6.4mm) hardboard, 3/8-inch (9.5mm) gypsum board, or corrosion-resistant steel having a base metal thickness of 0.016 inch (0.406mm).

~~Within crawl spaces, foam plastic use is governed by R409.8.2.~~

R409.8.2 Foam plastic fire safety. Foam plastic insulation may be installed inside crawl spaces without a thermal ~~cover~~ barrier or ignition barrier when the insulation product has been tested in accordance with ASTM E 84 ~~have a flame spread rating of not more than 25 and a smoke developed rating of not more than 450~~ section R318.3. foam plastic tested in accordance with section R318.3 shall be installed according to the limitations stated in the ICC Evaluation Service Evaluation Report (ICC-ES) for the product. Foam plastics that have not been tested to meet these ratings shall be protected against ignition ~~by covering them with a thermal barrier. Acceptable thermal barriers include but are not limited to ½ inch cement board, metal foil sheets, metal foil tape, steel or aluminum metal sheets or other approved materials installed in such a manner that the foam is not exposed~~ per section R318.2.3.

Exception: Foam plastic insulation located in closed crawl spaces used as conditioned spaces as defined in section R409.5.5 Conditioned Space or section

R409.6 Plenums shall be protected against by an approved thermal barrier.

Item D - 3 Request by the staff of the NC Department of Insurance to adopt the following codes:

- A. 2003 International Building Code
Chapters 1-15 (with 2006 NC Amendments)
Chapters 16-end (with 2006 NC Amendments)**
- B. 2003 International Energy Code (with 2006 NC Amendments)**
- C. 2003 International Fire Prevention Code (with 2006 NC Amendments)**
- D. 2003 International Fuel Gas Code (with 2006 NC Amendments)**
- E. 2003 International Mechanical Code (with 2006 NC Amendments)**
- F. 2003 International Plumbing Code (with 2006 NC Amendments)**

Part E - Reports

Building Code Council Standing Committee Reports

Standing Committee	Chairman	Meeting Date
Fire and General Construction	Alan Perdue and Butch Simmons	September 12, 2005
Structural	Tom Avery	September 12 ,2005

Ad Hoc Committee reports and Meeting Dates

Ad Hoc Committee	Chairman	Status
Building Code (Chapters 1 - 15)	Butch Simmons	Committee is completing all work via email.
Building Code (Chapters 16 - end)	Tom Avery	August 24, 2005
Energy Code	Tom Turner	Work is complete.
Fire Code	Alan Perdue	Committee is completing all work via email.
Fuel Gas Code	Terry Greene	Work is complete.
Mechanical Code	Al Bass	August 31, 2005
Plumbing Code	Al Bass	August 31, 2005
Residential Code	Dan Tingen	August 30 and September 28, 2005

Staff Reports

Other Reports

Part F - Appeals

Item F-1 Carillon Assisted Living versus North Carolina Department of Insurance

Item F - 2 Regional Design and Construction versus Mecklenburg County and NC Department of Insurance

Sincerely,

Barry Gupton, PE
Secretary, NC Building Code Council