

**Minutes of the North Carolina Building Code Council  
December 10-11, 2007  
Raleigh, NC**

All members of the North Carolina Building Code Council were present with the exception of Terry Greene (Retired) and 2-vacant positions (Electrical Engineer and Public Representative).

The following are summary minutes. The official minutes of this meeting are recorded on CD. Anyone desiring verbatim CDs or excerpts from these CDs should contact the Engineering Division of the NC Department of Insurance for information and reproduction costs. The next scheduled NC Building Code Council meeting will be held March 10-11, 2008 at the NC Legislative Building, Third Floor Auditorium, 16 West Jones Street, Raleigh, NC 27603.

**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.**

There were no actual or potential conflicts of interest noted.

**Item A – 2 Approval of minutes of the September 11, 2007 NC Building Code Council Meeting.**

Motion/Second/Passed – The September 11, 2007 minutes were approved with no comments.

**Item A – 3 Letter from Governor Easley removing Lon Culbertson from the Board.**

There is no action required on this item.

**Item A – 4 Rules Review Commission meeting report – 10/17/07 and 11/15/07.**

Barry Gupton gave the Rules Review Commission report. There is no action required on this item.

**Part B – New Petitions for Rulemaking**

**Item B – 1 Request by Bryan T. Readling, APA – The Engineered Wood Association to amend the 2006 NC Residential Code for One and Two Family Dwellings, Section 4404.4. The proposed amendment is as follows:**

**4404.4 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 4401.1a. 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 (48 m/s, 53 m/s, 57 m/s) 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 (406 mm) on center are limited to 10 feet (3048) in length between supports. Nonbearing 2 x 6 SPF No.2 studs at 16 inches (406 mm) on center with 3/8 inch wood structural panel sheathing are limited to unsupported lengths of 18 feet (5486) in 110 mph (48 m/s), 16 feet (4877) in 120 mph (53 m/s) and 14 feet (4267 mm) in 130 mph (57 m/s) wind zones. Wood structural panel sheathing shall extend 12 inches (305 mm) beyond horizontal construction joints except where the horizontal joint occurs over minimum 1 inch (25 mm) thick OSB or plywood rimboard with a minimum 1-1/2 inch (38 mm) overlap.

**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:

1. Panels may be installed with face grain parallel or perpendicular to studs.
2. Panels shall be 3/8 inch (9 mm) minimum thickness.
3. Nail spacing shall be 8d at 6 inches (152 mm) on center along vertical edges of panel and 12 inches (305 mm) at intermediate vertical framing.
4. Horizontal nail spacing at double row of 8d staggered at 3 inches (76 mm) on center.
5. Panel shall extend 12 inches (305 mm) beyond horizontal construction joints and shall overlap girders their full depth except where the horizontal joint occurs over minimum 1 inch (25 mm) thick OSB or plywood rimboard with a minimum 1-1/2 inch (38 mm) overlap.
6. Panel attachment to framing shall be as illustrated in Figure 4408.4.
7. Blocking shall be required at all joints if sheathing is used to resist uplift.

Motion/Second/Passed – The petition was granted unanimously. This change includes Sections 4406.3 and 4408.1.

**Item B – 2 Request by Julius Ballanco, President of JB Engineering and Code Consulting, P.C., to amend the 2006 NC Mechanical Code, Section 504.2. The proposed amendment is as follows:**

**504.2 Exhaust penetrations.** Where a clothes dryer exhaust duct penetrates a wall or ceiling membrane, the annular space shall be sealed

with noncombustible material, approved fire caulking, or a noncombustible dryer exhaust duct wall receptacle. Ducts that exhaust clothes dryers shall not penetrate or be located within any fireblocking, draftstopping or any wall, floor/ceiling or other assembly required by the International Building Code to be fire-resistance rated, unless such duct is constructed of galvanized steel or aluminum of the thickness specified in Section 603.4 and the fire-resistance rating is maintained in accordance with the International Building Code. Fire dampers, combination fire/smoke dampers and any similar devices that will obstruct the exhaust flow, shall be prohibited in clothes dryer exhaust ducts.

Motion/Second/Passed – The petition was granted unanimously and will be sent to the Mechanical Committee.

**Item B – 3 Request by Curt Willis, Construction Inspections Administrator with the City of Raleigh, to amend the 2006 NC Building Code. The proposed amendment is as follows:**

**704.15 Soffit in Group R.** In Group R buildings of combustible construction 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 ¾ inch wood sheathing of 5/8 inch gypsum board, or aluminum soffit installed over ¾ inch wood sheathing or 5/8 inch gypsum board. Venting requirements shall apply to both soffit and underlayments and shall be per section 1203.2 of the NCSBC.

**1405.13.2 Flame Spread.** Vinyl Siding and vinyl soffit materials when used in Group R buildings shall have a Flame Spread Index of 25 or less as tested in accordance with ASTM E-84.

**R302.4 Flame Spread.** Vinyl Siding and vinyl soffit materials when used in Townhouse construction shall have a Flame Spread Index of 25 or less as tested in accordance with ASTM E-84.

Motion/Second/Passed – The petition was granted unanimously and will be sent to the General Construction and Residential Committees.

**Item B – 4 Request by David Smith, Residential Committee, to further amend the proposed 2009 NC Residential Code for One and Two Family Dwellings, Section R302. The proposed amendment is as follows:**

**Delete the 2006 IRC Section R302, including Table R302.1, and replace with the following language from the 2003 IRC with NC Amendments.**

**SECTION R302**

**LOCATION ON LOT**

**R302.1 Exterior walls.** Exterior walls with a fire separation distance less than 3 feet (914mm) 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 R105.2 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 ¾ inch wood sheathing or 5/8 inch gypsum board; or aluminum soffit installed over ¾ inch wood sheathing or 5/8 inch gypsum board. Venting requirements shall be provided in both soffit and underlayments. Vents shall be either nominal 2-inch continuous or equivalent intermittent and shall not exceed the minimum net free air requirements established in section R806.2 by more than 50%. Vents in soffit are not allowed within four feet of fire walls or property lines.

**R302.2 Openings.** Openings shall not be permitted in the exterior wall of a dwelling or accessory building with a fire separation distance less than 3 feet (914 mm). This distance shall be measured perpendicular to the line used to determine the fire separation distance.

**Exceptions:**

1. Openings shall be permitted in walls that are perpendicular to the line used to determine the fire separation distance.

2. Foundation vents installed in compliance with this code are permitted.

**R302.3 Penetrations.** Penetrations located in the exterior wall of a dwelling with a fire separation distance less than 3 feet (914 mm) shall be protected in accordance with Section R317.3.

**Exception:** Penetrations shall be permitted in walls that are perpendicular to the line used to determine the fire separation distance.

**(R302.1 Exception 2 is currently in the Rules process under a separate amendment.)**

Motion/Second/Passed – The petition was granted unanimously.

**Item B-5 Request by E. Renee’ Casali, Duke Energy, to amend the 2006 Building Code, Section 1008.1.8.3. The proposed amendment is as follows:**

**1008.1.8 Door operations.** Except as specifically permitted by this section egress doors shall be readily openable from the egress side without the use of a key or special knowledge or effort.

1008.1.8.1

1008.1.8.2

1008.1.8.3 Locks and Latches. Locks and latches shall be permitted to prevent operation of doors where any of the following exists:

1.

2.

2.1

2.2

2.3

3.

4.

5. Secured Mission Critical facilities within Group B and F occupancies whose business continuity safeguards the public health, safety, and welfare are permitted to be equipped with security access-control devices from the egress side provided:

5.1 Mission Critical facilities include utility company: system operating centers; information technology data centers; transmission control centers; generation plant control centers and power generation areas; and call centers for emergency repairs.

5.2 Unescorted occupants of Mission Critical facilities are limited to authorized users holding specific badges for access. All other occupants, including visitors must be escorted by badged facility user at all times.

5.3 Security access-control devices shall be tied to fire alarm system and “fail safe” upon activation of alarm.

6. Facilities within Group B occupancies operating under federal regulatory mandate whose business functions are required to be separated from other business functions, are permitted to be equipped with security access-control devices from the egress side provided:

6.1 Business function are regulated by FERC (Federal Energy Regulatory Commission) and NERC (North American Electric Reliability Council).

6.2 Unescorted occupants of FERC and NERC regulated facilities are limited to authorized users holding specific badges for access. All other occupants, including visitors must be escorted by badged facility user at all times.

6.3 Security access-control devices shall be tied to fire alarm and “fail safe” upon activation of alarm.

7. Facilities within Group B occupancies designated exclusively for utility company top executive tier, are permitted to be equipped with security access-control devices from the egress side provided:
  - 7.1 Top executive tier offices include utility company: CEO and CEO's first tier direct reports.
  - 7.2 Unescorted occupants of top executive facilities are limited to authorized users holding specific badges for access. All other occupants, including visitors must be escorted by badged facility user at all times.
  - 7.3 Security access-control devices shall be tied to fire alarm system and "fail safe" upon activation of alarm.

Staff identified that many portions of this change were not within the scope of the NC Building Code (G.S. 143-138(b))

Motion/Second/Passed – The petition was granted unanimously and will be sent to the General Construction Committee.

**Item B-6 Request by the North Carolina Fire Marshals Association, North Carolina County Fire Marshals Association, North Carolina State Firemen's Association, North Carolina Association of Fire Chiefs, North Carolina Chapter of the International Association of Arson Investigators, North Carolina Chapter of the American Fire Sprinkler Association, to amend the 2006 North Carolina Residential Code, Section 325. The proposed amendment is as follows:**

**SECTION R325**

**FIRE SPRINKLER SYSTEMS**

**R325.1 Fire Sprinklers.** An approved automatic fire sprinkler system shall be installed in new one- and two-family dwellings and townhouses in accordance with NFPA 13D.

**Exceptions:**

1. Buildings less than 3-stories in height (includes basements and piling levels), and
2. Buildings less than 3600-sf in total area (includes area of all attached dwellings).

**CHAPTER 43**

**REFERENCED STANDARDS**

**NFPA**

13D-02 Installation of Sprinkler Systems in One-and Two-Family Dwellings and Manufactured Homes R325.1

**APPENDIX P**

**FIRE SPRINKLER SYSTEMS**

The provisions of this appendix are not mandatory unless specifically adopted by the local governing authority having jurisdiction.

**AP101 Fire Sprinklers.** An approved automatic fire sprinkler system shall be installed in new one- and two-family dwellings and townhouses in accordance with NFPA 13D.

Motion/Second/Denied – The petition was denied. The Chair recommended that the petition be sent to the Residential Committee for discussion. Below is the outcome of the vote.

In Favor

John Hitch  
Al Bass  
Dan Murray  
Jack Neel  
Alan Perdue  
Butch Simmons

Opposed

Steve Knight  
Barry Maness  
Mack Nixon  
Tim Reynolds  
Bob Ruffner  
David Smith  
Tom Turner

**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 December 10, 2007 and the Final Adoption meeting may take place on or after March 11, 2008.

**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 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 1<sup>1</sup>/<sub>4</sub> 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 6<sup>1</sup>/<sub>4</sub> inches (160 mm) with a maximum cross section of dimension of 2<sup>1</sup>/<sub>4</sub> inches (57 mm).
2. Type II. Handrails with a perimeter greater than 6<sup>1</sup>/<sub>4</sub> 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 <sup>3</sup>/<sub>4</sub> inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least <sup>5</sup>/<sub>16</sub> inch (8 mm) within <sup>7</sup>/<sub>8</sub> inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least <sup>3</sup>/<sub>8</sub> inch (10 mm) to a level that is not less than 1<sup>3</sup>/<sub>4</sub> inches (45 mm) below the tallest portion of the profile. The minimum width of the handrail above the recess shall be 1<sup>1</sup>/<sub>4</sub> inches (32 mm) to a maximum of 2<sup>3</sup>/<sub>4</sub> 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.

There were no comments from the public on this item.

**Item C – 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 ¾ inch wood sheathing or 5/8 inch gypsum board, or aluminum soffit installed over ¾ inch wood sheathing or 5/8 inch gypsum board. Venting requirements shall be provided in both soffit and underlayments. Vents shall be either nominal 2-inch continuous or intermittent and shall not exceed the minimum net free air requirements established in section R806.2 by more than 50%. Vents in soffit are not allowed within four feet of fire walls or property lines.

Before allowing public comment on this item, Barry Gupton noted that 150% should read 50%.

Matt Dobson with the Vinyl Siding Institute opposed the change.

Mark Bernhardt with Revere Building Products opposes the change.

**Item C – 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, with 2009 NC Amendments – All Accessibility requirements are included in Chapter 11 and the referenced ANSI A117.1 Standard.
- B. 2006 International Energy Conservation Code, with 2009 NC Amendments
- C. 2006 International Fire Code, with 2009 NC Amendments
- D. 2006 International Fuel Gas Code, with 2009 NC Amendments
- E. 2006 International Mechanical Code, with 2009 NC Amendments
- F. 2006 International Plumbing Code, with 2009 NC Amendments
- G. 2006 International Residential Code, with 2009 NC Amendments
- H. 2008 National Electrical Code, with 2008 NC Amendments

2008 NC/NEC 2008 - The Base Document for the 2008 NC Electrical Code is the 2008 NEC.

2009 NC/ICC 2006 – The Base Documents for the 2009 NC State Building Codes are the 2006 I-Codes.

The NC Amendments are proposed replacements to the Sections printed in the Base Documents.

Proposed amendments may be viewed at the following links:

[http://www.ncdoi.com/OSFM/Engineering/engineering\\_home.asp](http://www.ncdoi.com/OSFM/Engineering/engineering_home.asp)

-STATE BUILDING CODES

-BUILDING CODES - 2009 EDITION - PROPOSED AMENDMENTS

**OR**

<http://www.ncbuildingcodes.com/OSFM/Engineering/BCC/ncbuildingcodes.asp>

-ADOPTED CODE INFORMATION

-NC STATE BUILDING CODES

-BUILDING CODES - 2009 EDITION - PROPOSED AMENDMENTS

The 2006 I-Codes are available at [www.iccsafe.org](http://www.iccsafe.org) for purchase.

The 2008 NEC is available at [www.nfpa.org](http://www.nfpa.org) for purchase.

Single copies are available by November 1, 2007 for **REVIEW ONLY** at the following locations:

Asheville Inspections 828-259-5846

Davie County Inspections, Mocksville 336-753-6050

NC Department of Insurance, Raleigh 919-661-5880 x 254

Greenville Inspections 252-329-4466

The anticipated adoption date of the 2008 NC Electrical Code and the 2009 NC State Building Codes is March 11, 2008.

The proposed effective date for the 2008 NC Electrical Code is **June 1, 2008**.

The proposed effective date for the 2009 NC State Building Codes is **January 1, 2009**.

Item A Public Comments: (All comments related to Chapter 11 and ANSI A117.1.)  
John Hitch, the North Carolina Building Code Council Vice Chairman, read a statement that he wrote addressing the recommended change to the Accessibility Code. Mr. Hitch asked Dominic Marinelli and Marsha Mazz to make a presentation on behalf of the ANSI document.

Dominic Marinelli with the United Spinal Association recommends the Council adopt the code change using Chapter 11 and ANSI.

Marsha Mazz with the U.S. Access Board did not speak for or against the change. She was there to provide clarification of questions concerning the ANSI Standard.

Jim Long, the Commissioner of Insurance opposes the change.

Ken Szymanski with the North Carolina Apartment Association recommends the Council adopt the code change.

Dave Richard with the Arc of North Carolina opposes the code change.

David Crawford, AIA North Carolina, recommends the Council adopt the code change for design consistency. Chapter 11 is coordinated with the proposed ADA/ABA.

Leslie Young, Private Citizen, opposes the code change. The proposed ADA/ABA may be adopted in time for consideration in the next NC Code cycle.

Mary Bethel with AARP North Carolina opposes the code change.

Kristy Fabiano with the Mental Health Association opposes the code change.

John Dalrymple, Private Citizen, opposes the code change.

Rick Dickerson, Private Citizen, was neither for nor against the code change.

Tonya Lancaster, Private Citizen, opposes the code change.

Alicia Moore, Private Citizen, opposes the code change.

George Butler, Private Citizen, opposes the code change.

Item B Public Comments:

There were no public comments for this item.

Item C Public Comments:

There were no public comments for this item.

Item D Public Comments:

There were no public comments for this item.

Item E Public Comments:

There were no public comments for this item.

Item F Public Comments:

There were no public comments for this item.

Item G Public Comments: (All comments related to Appendix P.)

Dan Jones of Chapel Hill, representing the NC Association of Fire Chiefs, Assistant Chief David Douglas, Greensboro, NC Fire Marshal, representing the NC Association of Fire Marshals, and Wes Greene of Morrisville, representing the NC Fire Fighter's Association all oppose the removal of Appendix P from the Residential Code. In attempt to avoid redundancy, Mr. Jones asked their colleagues in attendance to stand. This action resulted in 41 people standing to oppose the removal of Appendix P from the Residential Code.

Scott Garner, Brunswick County Fire Marshal opposes the removal of Appendix P from the Residential Code.

Bucky Frye with the City of Winston-Salem gave suggestions and ideas about various sprinkler incentives.

Larry Stanford, Fire Marshal for the City of Raleigh felt that a cooperative effort should be made to educate citizens of North Carolina on the importance of Residential Sprinklers. He also gave examples of what the Sprinkler Association was doing to educate the public.

Robert Privott with the NC Home Builders Association was opposed to including Appendix P.

Dan Jones with Chapel Hill spoke again about keeping Appendix P in the Residential code. He stated that State Farm offers a 15% discount off premiums for sprinkler homes. Mr. Jones talked about the advantages of having sprinklers in your homes. He said having sprinklers could be seen as "green". A home owner would not need to reproduce as much building material in the event of a fire. It would also help with water conservation in the event of a fire. Not as much water would be used to put the fire out. Emissions being put into the atmosphere would be lowered.

Floyd Fritz, Deputy Fire Chief of Pinehurst, NC opposes the removal of Appendix P from the Residential Code.

Travis Crabtree of Carrboro, NC opposes the removal of Appendix P from the Residential Code.

Item H Public Comments:

Al Bass, NC Building Code Council member gave a report on the changes of the NC Electrical Code.

- Delete the proposed Articles 10.10 and 100 from the 2008 NC Electrical Code amendment package.
- Adopt the remainder of Article 10 from the 2008 NC Electrical Code amendment package.
- Delete the phrase "and crawl spaces" from the 2008 NEC Article 334.15 as part of the 2008 NC Electrical Code amendment package.
- Add a 1/1/09 effective date note to the 2008 NEC Article 406.8 (A) & (B) as part of the 2008 NC Electrical Code amendment package.
- The Standing Committee overturned the Ad Hoc Committee and proposes to delete the 2008 NEC Article 406.11 without amendment.

- Adopt the 2008 NEC Article 680.26 (C) without amendment.
- Adopt the proposed Articles 210.8 (a) (3) and 250.50 from the 2008 NC Electrical Code amendment package.

Jim Pauley spoke on Item 6 from the Electrical Committee Report. Mr. Pauley recommended that Article 210.12 (B) be adopted with a January 1, 2009 effective date.

Bill Rogers with Duke Energy asked the committee to reinstate the 2005 NC Electrical Code wording for Article 90.2 (B) 5 (b).

Tim Roberson with Progress Energy has requested a Tentative Interim Addendum from NFPA on Article 90.2 (B) 5 (b).

Jack Wells spoke in favor of adopting Article 406.11 for tamper resistant receptacles.

Ron Chilton staff with the Department of Insurance spoke in favor of adopting Article 406.11 for tamper resistant receptacles with a January 1, 2009 effective date.

**Item C – 4 Request by John Hitch, Chairman of the General Construction Standing Committee, to amend the 2006 International Building Code, Table 1017.1 in conjunction with Item 3A above. The Council granted a petition on 9/11/07 to add the following Footnote “f” to Table 1017.1, to “Occupancy B”, unsprinklered. The proposed amendment is as follows:**

**Table 1017.1 Corridor Fire-Resistance Rating.**

f. Exit access corridors are not required to be rated on any single tenant floor or in any single tenant space, when 1-hour rated tenant demising walls are provided between all tenant spaces and 1-hour rated floor/ceiling assemblies are provided in multi-story buildings.

Lon McSwain with the North Carolina Building Inspectors Association spoke in opposition of this change.

Wayne Hamilton with the City of Asheville spoke in opposition to footnote F.

**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 September 10, 2007. The Final Adoption meeting will take place on December 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 David Smith, Chairman of the Residential Standing Committee, to amend the 2006 Building Code and 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.

1609.2 DEFINITIONS. WIND-BORNE DEBRIS REGION. Areas within hurricane-prone regions ~~1500 feet (456 m) 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/Second/Passed – The motion was passed unanimously

**Item D – 2 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 D<sub>1</sub> and D<sub>2</sub>, 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 motion was passed unanimously

## **Part E – Reports**

### **Chairman's Report**

Dan Tingen asked for a report on legislative action and asked for staff to coordinate committees to respond.

**Ad Hoc Committee Reports**

Tim Reynolds gave a report on the Electrical Committee. They met on December 10, 2007 after the Work Session.

Al Bass – The Rainwater Committee has not had an opportunity to meet yet. Al asked DOI Staff to check the calendar to see when they could meet at our offices.

**Standing Committee Reports**

-No reports were given

**Staff Reports**

- Jim Roberts retired from the Engineering Division on December 1, 2007.

- Chris Noles introduced the SBI preliminary report on the Ocean Isle Beach Fire. Mr. Noles then introduced Scott Garner, Brunswick County Fire Marshal, to give a more detailed view of the investigation that has been made public.

- Chris Noles reported that ReBecca Williams has joined the staff as the Administrative Assistant to the Building Code Council.

**Public Comments**

There were no additional comments from the public.

**Part F – Appeals**

No appeals were heard at this meeting.

Sincerely,



Christian Noles, P.E.  
Secretary, NC Building Code Council