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## North Carolina Building Code Council update

The North Carolina Building Code Council will meet **Sept. 14-15, 2009 at a location to be determined.** Due to budget constraints, the council has held the past several meetings at the NCDOT offices at 322 Chapanoke Road in Raleigh. The council will hold a work session at 9 a.m. Sept. 14, followed by a public hearing at 1 p.m. The council meeting will be Tuesday, Sept. 15, at 10 a.m. (note the time change from the traditional 9 a.m.) The agenda for the council meeting can be found at: [http://www.ncdoi.com/OSFM/Engineering/BCC/engineering\\_bcc\\_agenda.asp](http://www.ncdoi.com/OSFM/Engineering/BCC/engineering_bcc_agenda.asp) about two weeks prior to the council meeting.

### Transition from 2004 N.C. accessibility code to 2009 Chapter 11 and 2003 ANSI A117.1

#### What is in effect now?

The current 2002 North Carolina Accessibility Code with 2004 amendments is in effect until the North Carolina General Assembly goes home. Provisions in the 2009 North Carolina Building Code such as NCBC 1007, NCBC 3409 and Appendix E have already been in effect for buildings using the 2009 N.C. Building Code. Some of these provisions may replicate provisions in the 2004 Accessibility Code. Some, such as NCBC 1007.3, which requires areas of refuge for all buildings, even sprinklered ones with few exceptions, may be more restrictive. Horizontal exits may be used to access the area of refuge. NCBC 1007.2 requires an elevator for one path of egress in a four-story building.

#### When does North Carolina Building Code Ch. 11 and ANSI A117.1 go into effect?

The note at the beginning of the 2009 North Carolina Building Code Chapter 11 states that Chapter 11 and ANSI A117.1 ("the rule") go into effect on the day of adjournment of the legislature's current session.

On June 9, the North Carolina Building Code Council voted to allow a transition period between the current Accessibility Code (NCAC) and Chapter 11 and ANSI A117.1. The transition period will extend from the

time that the legislature adjourns until Dec. 31, 2009. During that time, a designer may choose whether to design the building using the 2004 NCAC or 2009 NCBC Ch. 11 + ANSI A117.1.

Beginning Jan. 1, 2010, both the state and local jurisdictions will begin enforcing 2009 North Carolina Building Code Chapter 11, along with the referenced standard ANSI A117.1. The transition time allows for designers and jurisdictions to familiarize themselves with the overlap of the state and federal requirements that go into effect Jan. 1, 2010.

#### What happens to the ADAAG requirements?

At the same time that North Carolina goes to IBC Chapter 11 and ANSI A117.1 and stops enforcing what has been ADAAG, ADAAG will continue to be enforced on the federal level by the U.S. Department of Justice. It is estimated by USDOJ that the current ADAAG requirements (what is/was in the 2004 NCAC) will remain as federal accessibility requirements until 2012. [An NCAC CD is available from the NCDOT office that also contains the ADAAG requirements.]

#### May Chapter 11 and ANSI A117.1 be used before the legislature leaves town, i.e., before the enforcement date?

Some jurisdictions have asked if the new requirements may be used before the

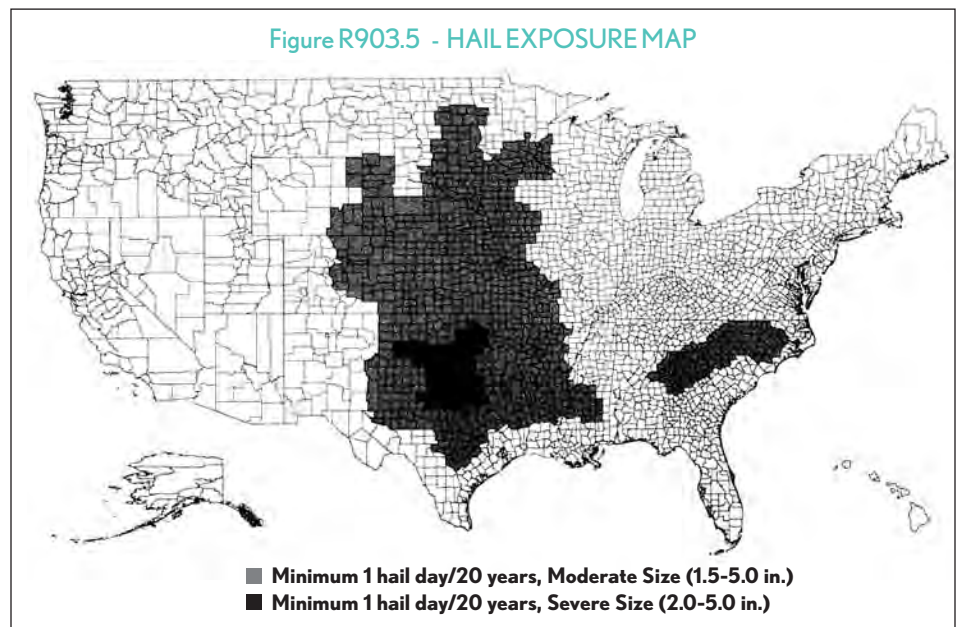
enforcement date, particularly on large projects that are pulling foundation permits near the end of the legislative session. This is acceptable based on the use of NCBC Chapter 11 and ANSI A117.1 as an Alternate Method under North Carolina Administrative Code 105.1. as both NCBC Chapter 11 and ANSI A117.1 have been adopted by the North Carolina Building Code Council and approved by the Rules Review Committee. It is still a matter where designers will have to address the worst case scenario between the applicable codes (NCAC and NCBC Ch. 11/ANSI A117.1), since both will apply on a state and federal level.

#### Which edition of ANSI is required?

2009 North Carolina Building Section 1101.2 references ICC ANSI A117.1. N.C. Building Code Chapter 35 on page 544 requires ICC ANSI A117.1-03 of the standard. It can be ordered through the International Code Council at [www.iccsafe.org](http://www.iccsafe.org). You may wish to order either the standard or the commentary version. The language in the commentary may be helpful in explaining some of the requirements; however, commentary language is not enforceable, it is merely explanatory.

Further questions may be directed to Laurel W. Wright, Chief Accessibility Code Consultant, NCDOT/OSFM, at (919) 661-5880, ext. 247, or [Laurel.Wright@ncdoi.gov](mailto:Laurel.Wright@ncdoi.gov)

Figure R903.5 - HAILEXPOSURE MAP



## North Carolina 2009 Residential Code changes

(continued from the July issue of North Carolina Builder)

### Highlights on changes between the 2006 and 2009 Residential Code

## CHAPTER 9 - ROOF ASSEMBLIES

### SECTION R903 WEATHER PROTECTION

**R903.5 Hail exposure.** Hail exposure, as specified in Sections R903.5.1 and R903.5.2, shall be determined using Figure R903.5.

**R903.5.1 Moderate hail exposure.** One or more hail days with hail diameters larger than 1.5 inches (38 mm) in a 20-year period.

**R903.5.2 Severe hail exposure.** One or more hail days with hail diameters larger than or equal to 2.0 inches (51 mm) in a 20-year period.

*IRC change - Section R903.3 has been added along with Section R903.5.1 that defines a moderate hail exposure area and R903.5.2 which defines a severe hail exposure area. A national map has been added as well to identify these areas. (See Figure R903.5 on facing page.)*

### SECTION R905 REQUIREMENTS FOR ROOF COVERINGS


**R905.2.3 Underlayment.** Unless otherwise noted, required underlayment shall conform to ASTM D 226 Type I, ASTM D 4869 Type I, or *ASTM D 6757*. Self-adhering polymer modified bitumen sheet shall comply with ASTM D 1970.

*IRC change - Added additional ASTM Standard - ASTM D 6757*

**R905.2.4.1 Wind resistance of asphalt shingles.** Asphalt shingles shall be installed in accordance with Section R905.2.6. *Shingles classified using ASTM D 3161 are acceptable for use in wind zones less than 110 mph (49 m/s). Shingles classified using ASTM D 3161, Class F are acceptable for use in all cases where special fastening is required.*

*IRC change - New section added that includes a new standard for asphalt shingles installed up to 110 mph wind zones, ASTM D 3161, and a standard for shingles over 110 which is ASTM D 3161, class F*

**R905.2.7 Underlayment application.** ..... and fastened sufficiently to hold in place. *Distortions in the underlayment shall not interfere with the ability of the shingles to seal.* For roof slopes of four units.....

*IRC change - Makes reference in 2 locations that underlayment shall not interfere with the ability of shingles to seal.* 

# 2009 NCHBA BUILD-PAC

## Members around the state support BUILD-PAC

The second quarter of 2009 was a great one for BUILD-PAC, raising \$53,247 for the North Carolina Home Builders Association Political Action Committee. Check out where your HBA stands. As always, thank you for your BUILD-PAC contributions and participation.

Contributors	Amount	Name	Contributors	Amount	Name
14	\$1,325	Alamance-Caswell	1	\$106	Johnston Co.
1	\$260	Ashe Co.	13	\$455	Lincoln Co.
9	\$1,810	Asheville	3	\$71	McDowell Co.
3	\$385	Brunswick Co.	56	\$13,126	Moore Co.
1	\$25	Cabarrus Co.	26	\$462	Northeastern NC
3	\$275	Caldwell Co.	9	\$620	Onslow Co.
28	\$225	Carteret Co.	1	\$433	Outer Banks
11	\$2,430	Charlotte	25	\$6,730	Raleigh-Wake Co.
16	\$1,400	Cleveland Co.	1	\$15	Roanoke Valley
41	\$3,630	Craven-Pamlico	5	\$85	Robeson Co.
2	\$70	Davie Co.	4	\$595	Rocky Mount
4	\$655	Durham, Orange & Chatham Counties	1	\$195	Roxboro-Person Co.
40	\$3,968	Fayetteville	37	\$165	Salisbury-Rowan
19	\$470	Franklin Co.	1	\$500	Sanford Area
22	\$1,122	Gaston Co.	5	\$1,000	Scotland Co.
1	\$170	Greensboro	9	\$144	Transylvania Co.
2	\$270	Greenville-Pitt	1	\$80	Union Co.
1	\$118	Harnett Co.	55	\$414	Vance-Granville
24	\$365	Haywood Co.	5	\$150	Wayne Co.
1	\$20	Hendersonville	10	\$4,710	Wilkes Co.
11	\$620	Hickory-Catawba Valley	4	\$400	Wilson
2	\$168	High Country	74	\$2,130	Winston-Salem
1	\$625	Jackson Co.	1	\$255	NCHBA

Unofficial Total 2nd Quarter: \$53,247

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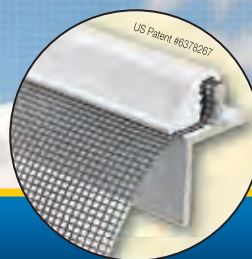
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