

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: All Rules Submitted

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

***NOTE: This request when viewed on computer extends several pages. Please be sure you have reached the end of the document.***

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

*Please confirm that in the Rules, all italicized terms are italicized because they are defined within the applicable Code.*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Building Code, 509.2

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

*Since you are deleting Item (2), will Items 3 and 4 need to be renumbered?*

*In current Item 3, I take it your regulated public knows what Type IA construction is?*

*You note that there are no changes to the exception, but you published the language in the exception. Does that need to be reflected here?*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

**509.2 Horizontal building separation allowance.** A building shall be considered as separate and distinct buildings for the purpose of determining area limitations, continuity of *fire walls*, limitation of number of *stories* and type of construction where all of the following conditions are met:

1. The buildings are separated with a *horizontal assembly* having a minimum 3-hour *fire-resistance rating*.
2. ~~The building below the *horizontal assembly* is no more than one story above grade plane.~~ Deleted.
3. The building below the *horizontal assembly* is of Type IA construction.
4. Shaft, *stairway*, ramp and escalator enclosures through the *horizontal assembly* shall have not less than a 2-hour *fire-resistance rating* with opening protectives in accordance with Section 715.4.

*(there are no changes to the exception)*

The delayed effective date of this Rule is January 1, 2018.

The Statutory authority for Rule-making is G. S. 143-136; 143-138.

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Building Code, 1008.1.4.6 and 1008.1.4.6.1  
2012 NC Fire Code, 1008.1.4.6  
2015 NC Existing Building Code, 403.7 and 704.2

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

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In reviewing these rules, the staff determined that the following technical changes need to be made:

*Please submit separate Submission for Permanent Rule forms and rules for each individual Code – you can group both rules in the Building Code and Existing Building Code on one form if you wish, but we need separate forms and rules for each Code.*

*Also in the Submission for Permanent Rule form, these are adoptions, not amendments.*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Building Code, 1008.1.4.6

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In reviewing these rules, the staff determined that the following technical changes need to be made:

*I take it your regulated public knows what Group E and Group B educational occupancies are?*

*Consider inserting a comma after "offices"*

*In the Code, do you typically have lists that end with semicolons and "and"? If so, I suggest making Items 1-4 into a list.*

*In Item 1, what are "approved means"?*

*In Item (3), I suggest inserting a comma after "hardware"*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Fire Code, 1008.1.4.6

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*I take it your regulated public knows what Group E and Group B educational occupancies are?*

*Consider inserting a comma after "offices"*

*In the Code, do you typically have lists that end with semicolons and "and"? If so, I suggest making Items 1-4 into a list.*

*In Item 1, what are "approved means"?*

*In Item (3), I suggest inserting a comma after "hardware"*

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Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2015 NC Existing Building Code, 403.7

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

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In reviewing these rules, the staff determined that the following technical changes need to be made:

*I take it your regulated public knows what Group E and Group B educational occupancies are?*

*Consider inserting a comma after "offices"*

*In the Code, do you typically have lists that end with semicolons and "and"? If so, I suggest making Items 1-4 into a list.*

*In Item 1, what are "approved means"?*

*In Item (3), I suggest inserting a comma after "hardware"*

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Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2015 NC Existing Building Code, 704.2

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

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In reviewing these rules, the staff determined that the following technical changes need to be made:

*I take it your regulated public knows what Group E and Group B educational occupancies are?*

*Consider inserting a comma after "offices"*

*In the Code, do you typically have lists that end with semicolons and "and"? If so, I suggest making Items 1-4 into a list.*

*In Item 1, what are "approved means"?*

*In Item (3), I suggest inserting a comma after "hardware"*

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2012 NC Building Code, 2012 NC Fire Code, 2015 NC Existing Building Code  
1008.1.4.6, 1008.1.4.6, 403.7 Locking arrangements in educational occupancies. (160614 Item B-9)

## **2012 NC Building Code**

**1008.1.4.6 Locking arrangements in educational occupancies.** In Group E and Group B educational occupancies, egress doors from classrooms, offices and other occupied rooms shall be permitted to be provided with locking arrangements designed to keep intruders from entering the room where all of the following conditions are met:

1. The door shall be capable of being unlocked from outside the room with a key or other approved means.
2. The door shall be openable from within the room in accordance with Section 1008.1.9.
3. Modifications shall not be made to listed panic hardware, fire door hardware or door closers.
4. Modifications to fire door assemblies shall be in accordance with NFPA 80.

**1008.1.4.6.1 Remote operation of locks.** Remote operation of locks complying with Section 1008.1.4.6 shall be permitted.

## **2012 NC Fire Code**

**1008.1.4.6 Locking arrangements in educational occupancies.** In Group E and Group B educational occupancies, egress doors from classrooms, offices and other occupied rooms shall be permitted to be provided with locking arrangements designed to keep intruders from entering the room where all of the following conditions are met:

1. The door shall be capable of being unlocked from outside the room with a key or other approved means.
2. The door shall be openable from within the room in accordance with Section 1008.1.9 of the *North Carolina Building Code*.
3. Modifications shall not be made to listed panic hardware, fire door hardware or door closers.
4. Modifications to fire door assemblies shall be in accordance with NFPA 80.

## **2015 NC Existing Building Code**

**403.7 Locking arrangements in educational occupancies.** In Group E and Group B educational occupancies, egress doors from classrooms, offices and other occupied rooms shall be permitted to be provided with locking arrangements designed to keep intruders from entering the room where all of the following conditions are met:

1. The door shall be capable of being unlocked from outside the room with a key or other approved means.
2. The door shall be openable from within the room in accordance with Section 1008.1.9 of the *North Carolina Building Code*.
3. Modifications shall not be made to listed panic hardware, fire door hardware or door closers.
4. Modifications to fire door assemblies shall be in accordance with NFPA 80.

**704.2 Locking arrangements in educational occupancies.** In Group E and Group B educational occupancies, egress doors from classrooms, offices and other occupied rooms shall be permitted to be provided with locking arrangements designed to keep intruders from entering the room where all of the following conditions are met:

1. The door shall be capable of being unlocked from outside the room with a key or other approved means.
2. The door shall be openable from within the room in accordance with Section 1008.1.9 of the *North Carolina Building Code*.
3. Modifications shall not be made to listed panic hardware, fire door hardware or door closers.
4. Modifications to fire door assemblies shall be in accordance with NFPA 80.

The delayed effective date of this Rule is January 1, 2018.

The Statutory authority for Rule-making is G. S. 143-136; 143-138.

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Mechanical Code, 202

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

*I am aware that this Rule was promulgated following a petition for rulemaking, but I have concerns about the term being defined.*

*What are "high volumes"? And please note, it's unusual to define a term using that term.*

*What are "low rotational speeds"?*

*Replace "Such" with "These"*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

2012 NC Mechanical Code  
202 General Definitions. (160614 Item B-6)

**202 General Definitions.**

**High Volume Low Speed Fan.** A ceiling fan that circulates high volumes of air at low rotational speeds.  
Such fans are greater than 7 feet in diameter.

The effective date of this Rule is January 1, 2018.  
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Mechanical Code, 931.1

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

*On the Submission for Permanent Rule form, please change Box 3 to reflect that this is an adoption.*

*I am just checking – should the AMCA standard be 230-15 and the UL standard be 507-99 to be consistent with the proposed changes to Chapter 15?*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

2012 NC Mechanical Code  
931 High Volume Low Speed Fans. (160614 Item B-8)

**931 High Volume Low Speed Fans.**

**931.1 General.** Where provided, high volume low speed fans shall be tested and labeled in accordance with AMCA 230, listed and labeled in accordance with UL 507, and installed in accordance with the manufacturer's instructions.

The effective date of this Rule is January 1, 2018.

The Statutory authority for Rule-making is G. S. 143-136; 143-138.

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Mechanical Code, Chapter 15

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

*It appears from a review of Chapter 15 that the adoption of AMCA standards is entirely new. Shouldn't all of it be underlined?*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

**Chapter 15 Referenced Standards.**

**AMCA**

Air Movement and Control Association International  
30 West University Drive  
Arlington Heights, IL 60004

Standard Reference Number	Title	Referenced in Code Section Number
<u>230-15</u>	<u>Laboratory Methods of Testing Air Circulating Fans for Rating and Certification</u>	<u>931</u>

**UL**

Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60062-2096

Standard Reference Number	Title	Referenced in Code Section Number
<u>507-99 9<sup>th</sup> Edition</u>	<u>Standard for Electric Fans</u>	<u>931</u>

The effective date of this Rule is January 1, 2018.  
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Plumbing Code, 306.2.4

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

*On the Submission for Permanent Rule form, please change Box 3 to reflect that this is an adoption.*

*There is no need to highlight March 1, 2017, as that was the date published in the Register.*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017



2012 NC Plumbing Code

306.2.4 Tracer wire. (160614 Item B-2)

**306.2.4 Tracer wire.** For plastic sewer *piping*, an insulated copper tracer wire or other *approved* conductor shall be installed adjacent to and over the full length of the *piping*. Access shall be provided to the tracer wire or the tracer wire shall terminate at the cleanout between the building drain and building sewer. The tracer wire size shall be not less than 14 AWG and the insulation type shall be listed for direct burial.

The effective date of this Rule is March 1, 2017.

The Statutory authority for Rule-making is G. S. 143-136; 143-138.

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Energy Conservation Code, 402.4.3  
2012 NC Residential Code, N1102.4.3

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

*Please submit separate Submission for Permanent Rule forms and rules for each individual Code.*

*There is no need to highlight March 1, 2017, as that was the date published in the Register.*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

2012 NC Energy Conservation Code, 2012 NC Residential Code  
402.4.3, N1102.4.3 Fireplaces. (160614 Item B-5)

#### **2012 NC Energy Conservation Code**

**402.4.3 Fireplaces.** Site-built masonry fireplaces shall have ~~doors~~ dampers and comply with Section R1006 of the *North Carolina Residential Code* for combustion air.

#### **2012 NC Residential Code**

**N1102.4.3 Fireplaces.** Site-built masonry fireplaces shall have ~~doors~~ dampers and comply with Section R1006 of the *North Carolina Residential Code* for combustion air.

The effective date of this Rule is **March 1, 2017**.

The Statutory authority for Rule-making is G. S. 143-136; 143-138.

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2012 NC Residential Code, AG105.2

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

*On the first line, I suggest inserting a comma after "above-ground"*

*On the second line, I suggest inserting a comma after "hot tub"*

*Replace "which" with "that" on the second, fourth, and sixth lines.*

*What is "fixed solid material"? Does your regulated public know?*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

**AG105.2 Outdoor swimming pool.** An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) above *grade* measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) or 4 inches (102 mm) where concrete or fixed solid material is used measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an above-ground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102 mm).

**(there are no changes to items 2 through 10)**

The delayed effective date of this Rule is January 1, 2018.

The Statutory authority for Rule-making is G. S. 143-136; 143-138.

## REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2014 NC Electrical Code, 680.25

**DEADLINE FOR RECEIPT: Wednesday, February 8, 2017**

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

*Should (A)(1)(1) through (6) end with punctuation, such as semicolons or periods?*

*In the Exception, you are not showing the changes you published. Please show the changes that were made (the addition of "existing" and "an existing" and deletion of "insulated")*

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Amanda J. Reeder  
Commission Counsel  
Date submitted to agency: January 25, 2017

**680.25 Feeders.** These provisions shall apply to any feeder on the supply side of panelboards supplying branch circuits for pool equipment covered in Part II of this article and on the load side of the service equipment or the source of a separately derived system.

**(A) Wiring Methods.**

**(1) Feeders.** Feeders shall be installed in rigid metal conduit or intermediate metal conduit. The following wiring methods shall be permitted if not subject to physical damage:

- (1) Liquidtight flexible nonmetallic conduit
- (2) Rigid polyvinyl chloride conduit
- (3) Reinforced thermosetting resin conduit
- (4) Electrical metallic tubing where installed on or within a building
- (5) Electrical nonmetallic tubing where installed within a building
- (6) Type MC cable where installed within a building and if not subject to corrosive environment

*Exception: An existing feeder within a one-family dwelling unit or two-family dwelling unit between an existing remote panelboard and service equipment shall be permitted to run in flexible metal conduit or an approved cable assembly that includes an equipment grounding conductor within its outer sheath. The equipment grounding conductor shall comply with 250.24(A)(5).*

The delayed effective date of this Rule is January 1, 2018.

The Statutory authority for Rule-making is G. S. 143-136; 143-138.