

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

I note that "code" is not capitalized throughout this Code. So, I take it that it should remain lowercase everywhere is used as such?

Correct. "Code" is capitalized for specific uses (NC Building Code, International Building Code, etc.) and lowercase for general use elsewhere. We will coordinate this, where necessary, in the final ICC publication.

So that I'm clear – this will be the 2018 Mechanical Code? Or is it the 2019 Code? I note that page 5 of the packet does not include dates. What should those be?

This will be the 2018 NC Mechanical Code. The effective date will be 1/1/2019.

Please confirm that the exclusion of Chapters 7, 14, and 15 means you are adopting it verbatim from the International Mechanical Code (IMC).

Correct. NC Amendments to the I-Codes are noted by ~~strike through~~/underline.

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

**Barry Gupton, PE
Chief Code Consultant**

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Acknowledgements and Preface

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

By use of the strikethroughs on Pages 2-5 of the packet, are you showing a desire to delete Pages iii through xi of the IMC?

The upfront pages are not part of the Rule, but it the intent is to delete these pages.

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

**Barry Gupton, PE
Chief Code Consultant**

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, 103, 104, 106, 107,108, 109

DEADLINE FOR RECEIPT: Wednesday, September 6, 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 take it that when you are referring to the Administrative Code and Policies you are referring to this volume of the NC Building Code?

Correct.

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

Barry Gupton, PE
Chief Code Consultant

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 1

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

101.1: *Please insert the appropriate dates.*

[A] 101.1 Title.

~~These regulations shall be known as the *Mechanical Code* of [NAME OF JURISDICTION], hereinafter referred to as "this code."~~

These regulations shall be known as the *North Carolina Mechanical Code* as adopted by the North Carolina Building Code Council on **June 13, 2017 to be effective January 1, 2019.**

References to the *International Codes* shall mean the North Carolina Codes. The North Carolina amendments to the *International Codes* are underlined.

101.2.1: *So that I'm clear, this means you are adopting Appendix A, and that is the only appendix that will be applicable?*

It will be printed with the note "this appendix is informative and not part of the code" and the user will understand.

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

**Barry Gupton, PE
Chief Code Consultant**

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 2

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

In the definition for "bathroom" I note that "toilet room" is defined in the IMC more narrowly, specifically excluding bathtubs, showers, and spas. Given that they seem to contradict each other, what is the intent of bringing these together?

The ventilation rates may be different between the two, dependent upon the fixtures and the use.

In the definitions of "boiler" and "modular boiler" you refer to the statutes for boilers and the NC Department of Labor. Please state "N.C.G.S." And do you really only want these three statutes, rather than the entire Article 7A?

G.S. 143-138(b7)(1) states:

(b7) Appendices. - For the information of users thereof, the Code shall include as appendices the following:

- (1) Any rules governing boilers adopted by the Board of Boiler and Pressure Vessels Rules,
- (2) Any rules relating to the safe operation of elevators adopted by the Commissioner of Labor, and
- (3) Any rules relating to sanitation adopted by the Commission for Public Health which the Building Code Council believes pertinent.

The Code may include references to such other rules of special types, such as those of the Medical Care Commission and the Department of Public Instruction as may be useful to persons using the Code. No rule issued by any agency other than the Building Code Council shall be construed as a part of the Code, nor supersede that Code, it being intended that they be presented with the Code for information only.

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

So, shouldn't the rules in 13 NCAC 13, "Boiler and Pressure Vessel" be included in this Code as an appendix? Or at least give the citation in the definition?

BOILER. A closed heating *appliance* intended to supply hot water or steam for space heating, processing or power purposes. Low-pressure boilers operate at pressures less than or equal to 15 pounds per square inch (psi) (103 kPa) for steam and 160 psi (1103 kPa) for water. High-pressure boilers operate at pressures exceeding those pressures. See N.C.G.S. 95, Article 7A and 13 NCAC 13 for specific requirements on boilers and references to the NC Department of Labor.

In the definition of "duct" consider stating "This does not include..."

DUCT. A tube or conduit utilized for conveying air. The air passages of self-contained systems are not to be construed as air ducts. This does not include compressed air or vacuum systems.

In the definition of "extra-heavy-duty cooking appliance" please begin the sentence "These appliances shall not..."

EXTRA-HEAVY-DUTY COOKING APPLIANCE. Extra-heavy-duty cooking appliances are those utilizing open flame combustion of solid fuel at any time.

These appliances shall not use solid fuel to provide source of heat for cooking. Pellets and chips if used as flavoring shall not be in a state of open flame combustion at any time. Smoldering chambers shall not introduce embers into the flue at any time.

In the definition of "joint, mechanical" in 2, please delete "but is not limited to" unless you need to retain it for consistency with the rest of the code.

JOINT, MECHANICAL

1. A connection between pipes, fittings, or pipes and fittings that is not welded, brazed, caulked, soldered, solvent cemented or heat fused.

2. A general form of gas or liquid-tight connections obtained by the joining of parts through a positive holding mechanical construction such as flanged, screwed, clamped or flared connections. These joints include both the press-type and push-fit joining systems. Also see press joint and push-fit joint.

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

Barry Gupton, PE
Chief Code Consultant

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 3

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

303.4: *What vehicle are you referring to? Do vehicles usually cause mechanical damage?*

Water heaters are often installed in residential garages and are subject to damage by passenger vehicles.

304.10: *Are you deleting this part of the IMC and replacing it with the language on Page 20 of the packet?*

Correct.

306.5: *I suggest stating "... installed on, located on, or suspended from..."*

306.5 Equipment and appliances on roofs or elevated structures.

Where equipment or appliances requiring periodic maintenance are installed on, access or appliances are located on, or suspended from an elevated structure or the roof of a building such that personnel will have to climb higher than 16 feet (4877 mm) above grade or finished floor to access such equipment or appliances, an interior or exterior means of access shall be provided. Such access shall not require climbing over obstructions greater than 30 inches (762 mm) in height or walking on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope). Such access shall not require the use of portable ladders. Where access involves climbing over parapet walls, the height shall be measured to the top of the parapet wall.

307.2.1: *Should the first added sentence read "... high-level switch that shall shut off..."?*

307.2.1 Condensate disposal.

Condensate from all condensing furnaces, cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Such piping shall maintain a minimum horizontal slope in the direction of discharge of not less than one-eighth unit vertical in 12 units horizontal (1-percent slope). Where pumps are used, they shall be installed with a factory-equipped auxiliary high-level switch that shall shut off equipment served upon activation of the

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

auxiliary high-level switch. Where damage to any building components will occur as a result of overflow from the pump, the pump shall also be located in the auxiliary drain pan or in a separate drain pan equipped with a separate drain line or water-level detection device.

307.2.3: On Page 25 of the packet, isn't what is labeled as 3 actually 4? Is there an intent to repeal current 3 and make current 4 number 3, or was this just oversight?

Auto-numbering. It should be number 4.

312.1: Given the additional standards referenced in the amendment, it appears you need to add ACCA Manuals J and S?

Chapter 15 Referenced Standards

ACCA

Air Conditioning Contractors of America
2800 Shirlington Road, Suite 300
Arlington, VA 22206

Standard Reference Number Title Referenced in code section number

Manual J Residential Load Calculations, Eighth Edition	312
Manual S Residential Equipment Selection, Second Edition	312

In the second new paragraph, I think you can more clearly state what is not required (right now, you "nor" and "shall not"). Consider removing the "nor" before "ACCA manual S"

For permitting, inspections, certificate of compliance or certificate of occupancy, verification of Calculations for HVAC Systems - ACCA Manual D, ACCA Manual J, ACCA Manual S calculation submittals and review shall not be required.

313.3: G.S. 143-138(b2)(1) states that the detector must meet the standards of UL 2034 or 2075. What is your authority to leave 2075 out of this rule?

UL 2034 is a single/multi-station standard that is used most often with CO producing appliance installation. UL 2075 is the standard used for connection to a commercial central station and alarm system panel. UL 2075 is included in the Building/Fire Codes in more detail.

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

**Barry Gupton, PE
Chief Code Consultant**

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 5

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

501.3: Given the strike through on the first and second lines, do you even need "and is"? Couldn't it read, "... be discharged outdoors not less than the distances..." If you feel you need to keep some language, state "at not less than..."

501.3 Exhaust discharge.

The air removed by every mechanical exhaust system shall be discharged **outdoors at a point where it will not cause a public nuisance not** less than the distances specified in Section 501.3.1. The air shall be discharged to a location from which it cannot again be readily drawn in by a ventilating system. Air shall not be exhausted into an attic, crawl space, or be directed onto walkways, balconies, decks, breezeways, covered walkways and similar horizontal projections.

502.9.1: At the bottom of Page 29 of the packet, it appears that the words after "minimum" were removed. I take it this is a typographical error, and you intend to incorporate the rest of the sentence in the IMC?

Gas cabinets for the storage of compressed medical gases in amounts exceeding the ~~permit amounts for~~ the maximum allowable quantity per control area for compressed gases in the *International Fire Code* shall be connected to an exhaust system. The average velocity of ventilation at the face of access ports or windows shall be not less than 200 feet per minute (1.02 m/s) with a minimum **velocity of 150 feet per minute (0.76 m/s) at any point at the access port or window.**

504.8.3: I recommend stating "within the room where the appliance..."

504.8.3 Transition ducts.

Transition ducts used to connect the dryer to the exhaust duct system shall be a single length that is *listed* and *labeled* in accordance with UL 2158A. Transition ducts shall be not greater than 8 feet (2438 mm) in length and shall not be concealed within construction, and must remain entirely within the room **where** the appliance is located.

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

504.8.5: I believe the first bullet should begin with “Labels” (plural) to be consistent with the language below.

Plural added for consistency.

504.8.7: Please either begin the sentence with “The” or make it “Exhaust ducts shall ...”

504.8.7 Duct termination

Exhaust ducts shall terminate not less than 12 inches (305 mm) above finished grade.

In the Exception, I recommend inserting a comma after “areaway”

Exception: Where the duct termination is less than 12 inches (305 mm) above finished grade an areaway, shall be provided with a cross-sectional area not less than 200 square inches (1290 cm²). The bottom of the duct termination shall be no less than 12 inches (305 mm) above the areaway bottom.

505.4: Please state, “Also, see the exception...”

505.4 Other than Group R.

In other than Group R occupancies, where domestic cooking appliances are utilized for domestic purposes, such appliances shall be may be provided with domestic range hoods. Hoods and exhaust systems shall be in accordance with Sections 505.1 and ~~505.2~~ 505.2 if the makeup air required in 505.2 is not already provided via the buildings ventilation system. Also see the Exception to 507.1.2.

506.3.2.5: Please delete the period after “performed”

Period deleted from mid-sentence.

507.1.2: So that I’m clear – the exception is that up to two domestic ranges installed in these places may be used without hoods? Is this clear to your regulated public?

Yes. They may be installed in these locations without commercial hoods.

507.2: Please end the last sentence with a period.

Period added at end of sentence.

507.2.9: Is the “mechanical official” the same as the “code official”? If so, should you just use the term “code official” here instead?

507.2.9 Grease gutters for Type I hood.

Grease gutters shall drain to an *approved* collection receptacle that is fabricated, designed and installed to allow access for cleaning. The container shall have a maximum capacity not exceeding 1 gallon (3.8 L) unless otherwise approved by the code official.

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

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

Barry Gupton, PE
Chief Code Consultant

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 6

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

601.5: *Isn't Exception 3 actually Exception 2? It is Exception 2 in the IMC.*

Auto-numbering. Corrected to 2.

In 7.2.3 and 7.3, is the term "Return-air inlets" supposed to be hyphenated? It is not in 7.4. Please be consistent.

Deleted hyphen for consistency.

In 7.3, is "solid-fuel-burning" intended to be hyphenated? It looks like in Chapter 7 of the IMC, the term is "solid fuel-burning"

Deleted hyphen for consistency.

603.12: *What do you mean by "intent of this Section"? Do you mean that they have complied with this Section? If so, state that.*

This is current NC language and the users understand it. It means that compliance with those sections will meet the intent, but there are other ways the designer can accomplish it.

613.17: *So that I'm clear – the entire change is to add to the name, and not to delete 1 through 4 of the IMC?*

Correct.

603.18: *I take it you are repealing this section of the IMC and replacing it with the language on Pages 37-38 of the packet?*

IMC 603.18 remains. NC 603.18 and 603.19 have been renumbered as 603.19 and 603.20 respectively.

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

603.19 Return air intake (nonengineered systems).

603.20 Under-floor furnace plenums.

Please note my question regarding the hyphenation of “return-air” and I note that you refer to both a “grille” and an “intake” Are these the same thing? If so, should the same term be used?

Deleted hyphen for consistency. They mean the same thing, but changed to grille for consistency.

On the second line of Page 37, what is “CFM”? Does your regulated public know?

Yes. Standard abbreviation for cubic feet per minute.

On the third line of Page 37, please insert a space between “by” and “the”

Space added.

603.19: Please capitalize “Modification”

Capitalized first word of sentence.

603.19.1: What is “tightly” enclosed? Does your regulated public know?

Yes. Not allowing penetration (as by air), snug, airtight.

603.19.3: When you publish, please be sure that the list separates 1 and 2.

Acknowledged.

604.1: Should the sentence end “cooling equipment”?

604.1 General.

Duct insulation shall conform to the requirements of Sections 604.2 through 604.13 and the *International Energy Conservation Code*. Replacement or addition of cooling equipment to existing ductwork located in an attic shall require the ductwork to be insulated. Replacement of heating or the addition of cooling equipment in a crawl space or conditioned basements shall not require the existing ductwork to be insulated. Unconditioned basement ductwork shall require insulation with the addition of cooling equipment.

604.4: What are these R sections? Is this in another Code? Does your regulated public understand this?

Yes. This is a standard section prefix for the NC Residential Code.

604.4 Foam plastic insulation.

Foam plastic used as duct coverings and linings shall conform to the requirements of Section 604.

Exception: Spray application of polyurethane foam to the exterior of ducts in attics and crawl spaces shall be permitted in one-and-two family dwellings subject to all of the following:

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

1. The flame spread index is not greater than 25 and the smoke-developed index is not greater than 450 at the specified installed thickness.
2. The foam plastic is protected in accordance with the ignition barrier requirements of the **North Carolina Residential Code**, Sections R316.5.3 and R316.5.4.
3. The foam plastic complies with the requirements of **North Carolina Residential Code**, Section R316.

604.9: *Please confirm this is the intended cross-reference.*

Confirmed.

606.2.2: *In Exception 1, what is a “space”?*

An contiguous area of a building that could be multi-level.

In 2.2, when you publish, please make sure “plenum” is not italicized as I don’t see the term defined anywhere.

Plenum is a defined term.

607.5: *Please remove the period before “and shall be shown”*

Period removed from mid-sentence.

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

**Barry Gupton, PE
Chief Code Consultant**

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 8

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

801.2: *In the Exception, what does the added sentence mean? It seems incomplete.*

This should be a second exception.

801.2 General.

Every fuel-burning *appliance* shall discharge the products of *combustion* to a vent, factory-built *chimney* or masonry *chimney*, except for *appliances* vented in accordance with Section 804. The *chimney* or vent shall be designed for the type of *appliance* being vented.

Exceptions:

1. Commercial cooking *appliances* vented by a Type I hood installed in accordance with Section 507.
2. Residential appliances installed per their listing.

Table 803.9(1): *In order to be consistent, why not state "6 to 10" and "10 to 16"? Or you can take the language from the IMC, "Larger than 6 and up to 10" "Larger than 10 and up to 16"*

The committee chose to use an industry chart rather than IMC language.

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

Barry Gupton, PE
Chief Code Consultant

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 10

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

1001.1: *For the citation, why not just state, "See N.C.G.S. 95-69.10 for a complete list..."*

7. Any boiler or pressure vessel subject to inspection by federal or state inspectors. See N.C.G.S. 95-69.10 for a complete list of equipment that is exempt from this code but under the jurisdiction of the NC Department of Labor.

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

Barry Gupton, PE
Chief Code Consultant

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 11

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

1108.3.1: When you publish, please be sure that the list separates 1 through 3 from each other.

1108.3.1 Test gauges.

Gauges used for testing shall be as follows:

1. Tests requiring a pressure of 10 pounds per square inch (psi) (69 kPa) or less shall utilize a testing gauge having increments of 0.10 psi (0.69 kPa) or less.
2. Tests requiring a pressure of greater than 10 psi (69 kPa) but less than or equal to 100 psi (689 kPa) shall utilize a testing gauge having increments of 1 psi (6.9 kPa) or less.
3. Tests requiring a pressure of greater than 100 psi (689 kPa) shall utilize a testing gauge having increments of 2 psi (14 kPa) or less.

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

Barry Gupton, PE
Chief Code Consultant

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 12

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

1201.4: When you publish, please be sure that the list separates 1 through 3 from each other.

1201.4 Test gauges.

Gauges used for testing shall be as follows:

1. Tests requiring a pressure of 10 pounds per square inch (psi) (69 kPa) or less shall utilize a testing gauge having increments of 0.10 psi (0.69 kPa) or less.
2. Tests requiring a pressure of greater than 10 psi (69 kPa) but less than or equal to 100 psi (689 kPa) shall utilize a testing gauge having increments of 1 psi (6.9 kPa) or less.
3. Tests requiring a pressure of greater than 100 psi (689 kPa) shall utilize a testing gauge having increments of 2 psi (14 kPa) or less.

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

Barry Gupton, PE
Chief Code Consultant

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Chapter 13

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

1301.3: So that I'm clear, the intent is to replace the text in the IMC with the cross-reference on Page 45 of the packet?

Correct.

1308.1.1: When you publish, please be sure that the list separates 1 through 3 from each other.

1308.1.1 Test gauges.

Gauges used for testing shall be as follows:

1. Tests requiring a pressure of 10 pounds per square inch (psi) (69 kPa) or less shall utilize a testing gauge having increments of 0.10 psi (0.69 kPa) or less.
2. Tests requiring a pressure of greater than 10 psi (69 kPa) but less than or equal to 100 psi (689 kPa) shall utilize a testing gauge having increments of 1 psi (6.9 kPa) or less.
3. Tests requiring a pressure of greater than 100 psi (689 kPa) shall utilize a testing gauge having increments of 2 psi (14 kPa) or less

1309.1: I do not see UL 142, 58, or 80 in Chapter 15. Do you need to add them there?

UL

UL LLC

333 Pfingsten Road

Northbrook, IL 60062-2096

Standard Reference Number	Title	Referenced in code section number
---------------------------	-------	-----------------------------------

<u>58—96 Standard for Steel Underground Tanks for Flammable and Combustible Liquids.</u>		<u>1309</u>
--	--	-------------

<u>80—09 Standard for Steel Tanks for Oil-burner Fuels and Other Combustible Liquids . . .</u>		<u>1309</u>
--	--	-------------

<u>142—10 Standard for Steel Above ground Tanks for Flammable and Combustible Liquids.</u>		<u>1309</u>
--	--	-------------

1309.5: Who will predetermine this safe level? The code official? The registered design professional? Does your regulated public know?

Amanda J. Reeder
Commission Counsel

Date submitted to agency: August 22, 2017

Yes. The designer and manufacturer will determine this based on the UL Standards.

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

**Barry Gupton, PE
Chief Code Consultant**

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017

REQUEST FOR TECHNICAL CHANGE

AGENCY: NC Building Code Council

RULE CITATION: NC Mechanical Code, Appendix A

DEADLINE FOR RECEIPT: Wednesday, September 6, 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:

Is this being adopted as part of the NC Code? Is it only informative? Does your regulated public understand this? (I realize this may be addressed by the Technical Change Request for 101.2.1.)

It will be printed with the note “this appendix is informative and not part of the code” and the user will understand.

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

**Barry Gupton, PE
Chief Code Consultant**

Amanda J. Reeder
Commission Counsel
Date submitted to agency: August 22, 2017