REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: All rules submitted

DEADLINE FOR RECEIPT: Friday, May 15, 2020

***PLEASE NOTE:* This request may extend to 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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

On each Submission for Permanent Rule form, Box 6, the Rules were published in the November 1, 2019 Register. Please correct this date on every form.

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: May 5, 2020

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Administrative Code, 107.6

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

On the Submission for Permanent Rule form, Box 3, this is an adoption of a new rule in the Code. Please change this box to reflect that.

As I understand this adoption, it was to address SL 2019-174, Section 1, which states:

SECTION 1. G.S. 160A-413.5 reads as rewritten:

"(a) Notwithstanding the requirements of this Article, a city shall accept, without further responsibility to inspect, a design or other proposal for a component or element in the construction of buildings from a licensed architect or licensed engineer provided all of the following apply:

(1) The design or other proposal is completed under valid seal of the licensed architect or licensed engineer.

(2) Field inspection of the installation or completion of the component or element of the building is performed by a licensed architect or licensed engineer or a person under the direct supervisory control of the licensed architect or licensed engineer.

(3) The licensed architect or licensed engineer provides the city with a signed written document ~~stating~~ certifying that the component or element of the building so inspected under subdivision (2) of this subsection is in compliance with the North Carolina State Building Code or the North Carolina Residential Code for One- and Two-Family Dwellings. The ~~inspection~~ certification required under this subdivision shall be provided by electronic or physical ~~delivery and~~ delivery, its receipt shall be promptly acknowledged by the city through reciprocal ~~means.~~means and shall be made on a form created by the North Carolina Building Code Council which shall include at least the following:

a. Permit number.

Amanda J. Reeder
Commission Counsel
Date submitted to agency: May 5, 2020

b. Date of inspection.

c. Type of inspection.

d. Contractor's name and license number.

e. Street address of the job location.

f. Name, address, and telephone number of the person responsible for the inspection.

(a1) In accepting certifications of inspections under subsection (a) of this section, a city shall not require information other than that specified in this section.

However, in submitting this Rule, you did not submit the form that you published in the Register as Appendix G. Please submit that form for review to ensure compliance with the Session Law.

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: May 5, 2020

2018 NC Administrative Code
107.6 Inspections of component or element. (190910 Item B-6)

107.6 Inspections of component or element. Acceptance of inspection of a component or element by a NC registered architect or engineer will require completion of the "Design Professional Inspection Form" found in Appendix G.

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

2018 NC Residential Code
AM109.1.4 Cross Bracing. (190910 Item B-1)

AM109.1.4 Cross bracing.

2x6 diagonal vertical cross bracing is permitted to be provided in two perpendicular directions for free standing decks or parallel to the structure at the exterior column line for attached decks. The 2x6 bracing shall be attached to the posts with one of the methods in Table AM109.1.4 ~~5/8 inch (16 mm) hot dip galavinzed bolt with nut and washer~~ at each end of each bracing member in accordance with Figure AM109.1(4).

Table AM109.1.4
FASTENING OF BRACE (CHOOSE ONE)

Fastener Type	Diameter (inches)	QTY	Length
Bolt	5/8[a]	1	As required
Screws	0.27[b]	2	Long enough to achieve a 1 ½" thread penetration of structural member opposite head of screw

a. Bolts shall be hot dip galvanized through bolts with nut and washer

b. Screws shall be hot dip galvanized (ASTM A153, Class C, minimum) self drilling screw fastener having a minimum diameter of 0.27", and installed in the center of the post with a minimum of 1" space between screws.

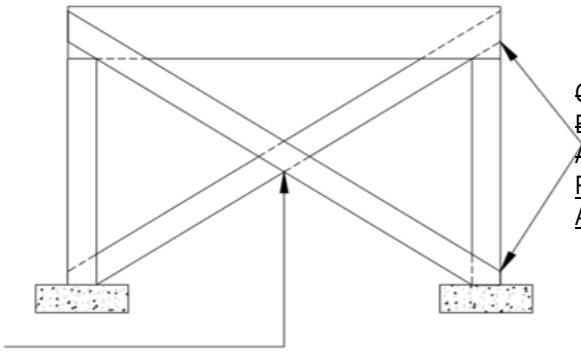

FIGURE AM109.1(4)
CROSS BRACING

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Residential Code, R311.7.8.1

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

In the Exception 1, I take it your regulated public knows what "starting easing" and "starting newel" means?

In Exception 2, why is "handrail" italicized? It is not in the Code. In the current Code, only "guard' is italicized.

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: May 5, 2020

R311.7.8.1 Height. *Handrail* height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm).

Exceptions:

1. The use of a volute, turnout, ~~or~~ starting easing or starting newel shall be allowed over the lowest tread.
2. When *handrail* fittings or bendings are used to provide continuous transition between flights, the transition from *handrail* to *guard*, or used at the start of a flight, the *handrail* height at the fittings or bendings shall be permitted to exceed the maximum height.

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

TABLE 504.4[a,b]
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE

OCCUPANCY CLASSIFICATION	TYPE OF CONSTRUCTION									
	SEE FOOTNOTES	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
		A	B	A	B	A	B		A	B
A-1	NS	UL	5	3	2	3	2	3	2	1
	S	UL	6	4	3	4	3	4	3	2
A-2	NS	UL	11	3	2	3	2	3	2	1
	S	UL	12	4	3	4	3	4	3	2
A-3	NS	UL	11	3	2	3	2	3	2	1
	S	UL	12	4	3	4	3	4	3	2
A-4	NS	UL	11	3	2	3	2	3	2	1
	S	UL	12	4	3	4	3	4	3	2
A-5	NS	UL	UL	UL	UL	UL	UL	UL	UL	UL
	S	UL	UL	UL	UL	UL	UL	UL	UL	UL
B	NS	UL	11	5	3	5	3	5	3	2
	S	UL	12	6	4	6	4	6	4	3
E	NS	UL	5	3	2	3	2	3	1	1
	S	UL	6	4	3	4	3	4	2	2
F-1	NS	UL	11	4	2	3	2	4	2	1
	S	UL	12	5	3	4	3	5	3	2
F-2	NS	UL	11	5	3	4	3	5	3	2
	S	UL	12	6	4	5	4	6	4	3
H-1	NS[c, d]	1	1	1	1	1	1	1	1	NP
	S									
H-2	NS[c, d]	UL	3	2	1	2	1	2	1	1
	S									
H-3	NS[c, d]	UL	6	4	2	4	2	4	2	1
	S									
H-4	NS[c, d]	UL	7	5	3	5	3	5	3	2
	S	UL	8	6	4	6	4	6	4	3
H-5	NS[c, d]	4	4	3	3	3	3	3	3	2

	S									
I-1 Condition 1	NS[d, e]	UL	9	4	3	4	3	4	3	2
	S	UL	10	5	4	5	4	5	4	3
I-1 Condition 2	NS[d, e]	UL	9	4	3	4	3	4	3	2
	S	UL	10	5						
I-2	NS[d, f]	UL	4	2	1	1	NP	1	1	NP
	S	UL	5	3						
I-3	NS[d, e]	UL	4	2	1	2	1	2	2	1
	S	UL	5	3	2	3	2	3	3	2
I-4	NS[d, g]	UL	5	3	2	3	2	3	1	1
	S	UL	6	4	3	4	3	4	2	2
M	NS	UL	11	4	2	4	2	4	3	1
	S	UL	12	5	3	5	3	5	4	2
R-1	NS[d,h]	UL	11	4	4	4	4	4	3	2
	S13R	4	4						4	3
	S	UL	12	5	5	5	5	5	4	3
R-2	NS[d,h]	UL	11	4	4	4	4	4	3	2
	S13R	4	4						4	3
	S	UL	12	5	5	5	5	5	4	3
R-3	NS[d,h]	UL	11	4	4	4	4	4	3	3
	S13R	4	4						4	4
	S	UL	12	5	5	5	5	5	4	4
R-4	NS[d,h]	UL	11	4	4	4	4	4	3	2
	S13R	4	4						4	3
	S	UL	12	5	5	5	5	5	4	3
S-1	NS	UL	11	4	2	3	2	4	3	1
	S	UL	12	5	~~3~~ 4	4	3	5	4	2
S-2	NS	UL	11	5	3	4	3	4	4	2
	S	UL	12	6	4	5	4	5	5	3
U[i]	NS	UL	5	4	2	3	2	4	2	1
	S	UL	6	5	3	4	3	5	3	2

Note: UL = Unlimited; NP = Not Permitted; NS = Buildings not equipped throughout with an automatic sprinkler system; S = Buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1; S13R = Buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.2.

a. See Chapters 4 and 5 for specific exceptions to the allowable height in this chapter.
b. See Section 903.2 for the minimum thresholds for protection by an *automatic sprinkler system* for specific occupancies.
c. New Group H occupancies are required to be protected by an *automatic sprinkler system* in accordance with Section 903.2.5.
d. The NS value is only for use in evaluation of existing *building height* in accordance with the *International Existing Building Code*.

e. New Group I-1 and I-3 occupancies are required to be protected by an *automatic sprinkler system* in accordance with Section 903.2.6. For new Group I-1 occupancies, Condition 1, see Exception 1 of Section 903.2.6.
f. New and existing Group I-2 occupancies are required to be protected by an *automatic sprinkler system* in accordance with Section 903.2.6 and Section 1103.5 of the *International Fire Code.*
g. For new Group I-4 occupancies, see Exceptions 2 and 3 of Section 903.2.6.
h. New Group R occupancies are required to be protected by an *automatic sprinkler system* in accordance with Section 903.2.8.
i. See Table C102.1 in Appendix C for Group U agricultural buildings.

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Building Code, 905.3.1

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

Please end 905.3.1(2) with a period.

In Exception 4, "Class" in "Class II" should be capitalized.

And throughout this Rule, please be sure the correct terms are italicized as they are in the existing 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: May 5, 2020

2018 NC Building Code
905.3.1 Height. (190910 Item B-3)

2018 NC Building Code
905.3.1 Height. (190910 Item B-3)

905.3.1 Height. *Class III standpipe systems* shall be installed throughout *buildings* where ~~the floor level of the highest story is located more than 30 feet (9144 mm) above the lowest level of the fire department vehicle access, or where the floor level of the lowest story is located more than 30 feet (9144 mm) below the heights level of fire department vehicle access.~~ any of the following exist:
1. Four or more *stories* are above or below *grade plane*.
2. The floor level of the highest *story* is located more than 30 feet (9144 mm) above the lowest level of the fire department vehicle access
3. The floor level of the lowest *story* is located more than 30 feet (9144 mm) below the highest level of fire department vehicle access.

Exceptions:
1. *Class I standpipes* are allowed in *buildings* equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1 or 903.3.1.2.
2. *Class I standpipes* are allowed in Group B and E occupancies.
~~2~~ 3. *Class I manual standpipes* are allowed in *open parking garages* where the highest floor is located not more than 150 feet (45720 mm) above the lowest level of fire department vehicle access.
~~3~~ 4. *Class I manual dry standpipes* are allowed in *open parking garages* that are subject to freezing temperatures, provided that the hose connections are located as required for *class II standpipes* in accordance with Section 905.5.
~~4~~ 5. *Class I standpipes* are allowed in *basements* equipped throughout with an *automatic sprinkler system*.
6. *Class I standpipes* are allowed in *buildings* where occupant-use hose lines will not be utilized by trained personnel or the fire department.
~~5~~ 7. In determining the lowest level of fire department vehicle access, it shall not be required to consider either of the following:
~~5~~ 7.1 Recessed loading docks for four vehicles or less.
~~5~~ 7.2 Conditions where topography makes access from the fire department vehicle to the building impractical or impossible.

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

2018 NC Building Code
1107.6.2.2.1 Type A Units. (190910 Item B-2)

1107.6.2.2.1. Type A Units. In Group R-2 occupancies containing more than ~~15~~ 20 *dwelling units* or *sleeping units*, at least 5 percent but not less than one of the units shall be a *Type A unit*. All Group R-2 units on a *site* shall be considered to determine the total number of units and the required number of *Type A units*. *Type A units* shall be dispersed among the various classes of units. Bedrooms in monasteries and convents shall be counted as *sleeping units* for the purpose of determining the number of units. Where the *sleeping units* are grouped into suites, only one *sleeping unit* in each suite shall count towards the number of required *Type A units*.

Exceptions:
1. The number of *Type A units* is permitted to be reduced in accordance with Section 1107.7.
2. *Existing structures* on a *site* shall not contribute to the total number of units on a *site*.
3. For a *site* with more than 100 units, at least 2 percent of the number of units exceeding 100 shall be *Type A units*.

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Fire Code, Section 321, 105.6.9, 903.2.8

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

This is an adoption, not an amendment. Please update Box 3 of the Submission for Permanent Rule form to reflect that.

321: Throughout this Section, please consistently hyphenate "short-term" and "long-term" when referring to "short-term" or "long-term" occupancies.

321.1: What are "disaster relief workers" and what is a "disaster declaration"? Does your regulated public know?

321.3.3: Please be sure to italicize "approved' as that is a defined term.

321.4: Please change "his designee" to either "his or her designee" or just "designee"

321.4.1: Should this state "The maximum number of disaster workers permitted in the occupancy is 20"?

In Exception 2, should this state "Is equipped"?

321.4.3: Please state "The Building Owner" And why is "building owner" capitalized?

And please change "his designee" to either "his or her designee" or just "designee"

Please italicize "approved" as that is a defined term.

321.4.4: How is the determination of "adequate" made by the local fire code official? Is that term defined?

105.6.49: There is no Section 105 in the Fire Code. Is this intended to be in a different Code? Or have a different citation?

903.2.8: Exceptions 5, 5.1, and 5.2 are not currently in the online Code. I take it they were added after the 2018 readoption?

Amanda J. Reeder
Commission Counsel
Date submitted to agency: May 5, 2020

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: May 5, 2020

SECTION 321
TEMPORARY SLEEPING UNITS FOR DISASTER RELIEF WORKERS

321.1 General.
This section shall apply to temporary use of *existing buildings* for purposes of providing s*leeping units* for volunteer disaster relief workers supporting a disaster declaration issued by the Governor of North Carolina. *Existing buildings* shall be permitted to provide temporary sleeping facilities for disaster relief workers provided that all the provisions of this section are met and *approved* by the local code officials.

Facilities complying with 321 shall not require compliance with other provisions of this code or the Building Code.

Exception: *Buildings* containing the following occupancies or uses shall not be used for temporary *sleeping units* for disaster relief workers:
1. Group F
2. Group H
3. Group S-1 vehicle repair garage
4. Group S-1 bulk tire storage
5. Woodworking operations

321.2 Permit required.
An operational permit as designated in 105.6.49 shall be required.

321.3 Short Term Occupancy.
Short term occupancies meeting the requirements of this section shall be permitted in *existing buildings* that have a current certificate of occupancy and connected electrical service. Use of a *building* or portion thereof for a short-term occupancy shall not exceed two days within 30 consecutive days.

321.3.1 Fire alarm and detection systems. Functioning smoke detection as required for the *existing building* or single station battery operated *smoke alarms* where no system exists shall be provided throughout the sleeping room, *exit access corridors*, and *stairs* serving the *sleeping units* per 907.2.11.
Carbon monoxide detection devices shall be provided as required by 915.1.4 when fuel fired appliances are present.

321.3.2 Ventilation and temperature control. Heating, cooling, and *ventilation* must be provided by equipment installed and *approved* for such use. Use of portable space heaters shall be prohibited.

321.3.3 Plumbing fixtures. Plumbing fixtures shall be provided as required for Group R-2 by the NC Plumbing Code, Section 403 for the number of disaster relief workers occupying the *building*. Temporary facilities are permitted as approved by the local code official.

321.3.4 Accessibility. *Sleeping units* for temporary disaster relief workers complying with the NC Building Code, Chapter 11 and Section 1009 are not required provided that the building owner or supporting organization has other sleeping facilities that are accessible by the disabled within the same jurisdiction as the temporary *sleeping units*.

321.4 Long Term Occupancy. Long term occupancies meeting the requirements of this section and 321.3 shall be permitted in *existing buildings* that have a current certificate of occupancy and connected electrical service. Long term occupancies are for periods exceeding short term occupancy as designated in Section 321.3 with a maximum of 180 consecutive calendar days. The local fire official may extend the initial time period up to an additional 180-day period as often as needed if the building owner or his designee provides documentation satisfactory to the local fire official that an extension of time is necessary to support local disaster relief efforts and the fire official verifies that the building remains in compliance with this section.

321.4.1 Occupant load and age. The maximum number of disaster relief workers is 20 ambulatory individuals. The disaster relief workers must be 18 years of age or older.

Exception: Occupants may be less than 18 years of age if the sleeping unit meets all of the following conditions:
1. Is intended to serve disaster relief worker families with children and their parents or other legal guardian; and
2. Equipped with *smoke alarms* meeting applicable code provisions for such devices in all sleeping areas.

321.4.2 Staff. The sleeping units must be staffed by a minimum of two individuals of 21 years of age or older trained in accordance with Chapter 4 of the NC Fire Code and at least one trained individual shall be awake to monitor the sleeping room and restrooms throughout the time the facility is occupied by the disaster relief workers.

321.4.3 Fire alarm and detection systems. Functioning smoke detection as required for the existing building or *single station smoke alarms* where no system exists shall be provided throughout the sleeping room, *exit access corridors*, and *stairs* serving the *sleeping units* per 907.2.11.

Carbon monoxide detection devices shall be provided as required by 915.1.4 when fuel fired appliances are present.

Building Owner or his designee shall submit documentation illustrating that the *smoke alarm* is approved and that all emergency batteries have been tested and are operational.

321.4.4 Fire extinguishers. There must be an adequate number of fire extinguishers to serve the *sleeping units* as determined by the local fire code official. Travel distance to an approved fire extinguisher shall not exceed 50 feet. Minimum rating of extinguishers shall be 3A-40BC.

321.4.5 Automatic sprinkler system. No fire protection sprinkler system is required per 903.2.8, Exception #6. Any *existing* fire sprinkler system shall be operational.

Exception: Sprinkler system required by 321.4.7.

321.4.6 Means of egress. There shall be a minimum of two separate code compliant *means of egress* serving the *sleeping units*. An evacuation route approved by the local fire code officials shall be posted and be in compliance with Sections 401, 403, 404, and 406 of the NC Fire Code.

321.4.6.1 Illumination. The disaster relief workers sleeping rooms and *exit access* corridors and stairs shall have unswitched illumination and emergency powered illumination with a duration of not less than 90-minutes.

321.4.7 Location of sleeping units. *Sleeping units* above or below the *level of exit discharge* are required to have a fire sprinkler system complying with 903.3 or an automatic smoke detection system complying with 907.2.8.2.

321.4.8 Occupant restrictions.
1. No smoking shall be permitted in the facility.
2. Candles, incense and similar open-flame-producing items shall not be allowed within the *sleeping units* or areas immediately adjacent to the *sleeping units*.
3. No temporary cooking equipment shall be permitted in the facility.

105.6.49 Temporary sleeping units for disaster relief workers (mandatory permit). An operational permit is required for operation of long-term temporary *sleeping units* for disaster relief workers.

903.2.8 Group R. An *automatic sprinkler system* installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R *fire area*, except as provided for in Section 903.2.8.5.
Exceptions:
1. An *automatic sprinkler system* is not required in new adult and child day care facilities located in existing Group R-3 and R-4 occupancies.
2. An *automatic sprinkler system* is not required in *temporary overflow shelters*.
3. An *automatic sprinkler system* is not required in camping units located within a campground where all of the following conditions exist.
3.1. The camping unit is limited to one story in height.
3.2. The camping unit is less than 400 square feet (37 m2) in area.
3.3. The camping unit does not have a kitchen.
4. An automatic sprinkler system is not required in an *open air camp cabin* that complies with the following:
4.1. The *open air camp cabin* shall have at least two remote unimpeded exits. Lighted exit signs shall not be required.
4.2. The *open air camp cabin* shall not be required to have plumbing or electrical systems, but if the cabin has these systems, then the provisions of the code otherwise applicable to those systems shall apply.
4.3. Smoke alarms and portable fire extinguishers may be required as otherwise provided in the code.
5. An *automatic sprinkler system* is not required in the following Group R-3 buildings not more than three *stories above grade plane* in height with a separate *means of egress*:
5.1. Detached one- and two-family *dwellings.*
5.2. Attached one- and two-family *dwellings* separated with fire walls complying with Section 706 and containing no other occupancy classification.
6. Temporary *sleeping units* for disaster relief workers as allowed by Section 321.4.5.

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Fire Code, 905.3.1

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

Please end 905.3.1(2) with a period.

In Exception 4, "Class" in "Class II" should be capitalized.

And throughout this Rule, please be sure the correct terms are italicized as they are the existing 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: May 5, 2020

905.3.1 Height. *Class III standpipe systems* shall be installed throughout *buildings* where ~~the floor level of the highest story is located more than 30 feet (9144 mm) above the lowest level of the fire department vehicle access, or where the floor level of the lowest story is located more than 30 feet (9144 mm) below the heights level of fire department vehicle access.~~ any of the following exist:

1. Four or more *stories* are above or below *grade plane*.
2. The floor level of the highest *story* is located more than 30 feet (9144 mm) above the lowest level of the fire department vehicle access
3. The floor level of the lowest *story* is located more than 30 feet (9144 mm) below the highest level of fire department vehicle access.

Exceptions:

1. *Class I standpipes* are allowed in *buildings* equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1 or 903.3.1.2.
2. *Class I standpipes* are allowed in Group B and E occupancies.
~~2~~ 3. *Class I manual standpipes* are allowed in *open parking garages* where the highest floor is located not more than 150 feet (45720 mm) above the lowest level of fire department vehicle access.
~~3~~ 4. *Class I manual dry standpipes* are allowed in *open parking garages* that are subject to freezing temperatures, provided that the hose connections are located as required for *class II standpipes* in accordance with Section 905.5.
~~4~~ 5. *Class I standpipes* are allowed in *basements* equipped throughout with an *automatic sprinkler system*.
6. *Class I standpipes* are allowed in *buildings* where occupant-use hose lines will not be utilized by trained personnel or the fire department.
~~5~~ 7. In determining the lowest level of fire department vehicle access, it shall not be required to consider either of the following:
~~5~~ 7.1 Recessed loading docks for four vehicles or less.
~~5~~ 7.2 Conditions where topography makes access from the fire department vehicle to the building impractical or impossible.

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

702.1 Above-ground sanitary drainage and vent pipe. Above-ground soil, waste and vent pipe shall conform to one of the standards listed in Table 702.1. Pipe fittings shall not be solvent-cemented inside of plastic pipe.

~~**Exception:** Plastic pipe with an inside diameter of 2 inches (51 mm) and larger shall not be used for storm drainage, drain, waste and vent conductors in buildings in which the top occupied floor exceeds 75 feet (23 m) in height.~~

Exception: *Stacks* in *buildings* in which the top occupied floor exceeds 75 feet (23 m) in height shall not be plastic.

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

702.4 Fittings. Pipe fittings shall be *approved* for installation with the piping material installed and shall comply with the applicable standards listed in Table 702.4. Pipe fittings shall not be solvent cemented inside of plastic pipe.

~~**Exception:** Plastic pipe fittings and plastic plumbing appurtenances with an inside diameter 2 inches (51 mm) and larger shall not be used for drain, waste and vent conductors in buildings in which the top occupied floor exceeds 75 feet (23 m) in height.~~

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Plumbing Code, Section 718

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

This is an adoption, not an amendment. Please update Boxes 3 and 9B of the Submission for Permanent Rule form to reflect that.

I don't believe there is a space between "F" and "1216" in the reference.

And I note that "Standards" is misspelled here, but I know it's spelled correctly in the 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: May 5, 2020

SECTION 718
CURED IN PLACE PIPING (CIPP)

718.1 General. This section shall govern the replacement, rehabilitation or repair of existing *building sewer* piping by cured in place piping methods.

718.2 Scope. Cured in Place Piping (CIPP) installations shall conform to the requirements of ASTM F 1216 and be installed per the manufacturer's installation instructions.

CHAPTER 15
REFERENCED STANDARDS

ASTM STANDARDS

F 1216-09 Standard for Cured in Place Piping (CIPP)……718.1, 718.2

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Plumbing Code, Section 917

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

On the Submission for Permanent Rule form, Box 9B, should this refer to a "single" stack system?

917.6 and 917.7: Why is "Section" capitalized here? It isn't elsewhere.

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: May 5, 2020

SECTION 917
SINGLE STACK VENT SYSTEM ~~(SOVENT)~~

~~**917.1** Design and installation shall be in accordance with the design criteria contained in the *Copper Development Association (CDA) Handbook* No. 802. Materials shall meet standards and specifications listed in Tables 702.1 and 702.4 for drain, waste and vent pipe and fittings.~~

917.1 Single-stack vent system permitted. A drainage *stack* shall serve as a single-stack vent system where sized and installed in accordance with Sections 917.2 through 917.9. The drainage *stack* and *branch* piping shall be the vents for the drainage system. The drainage *stack* shall have a *stack vent.*

917.2 Stack size. Drainage *stacks* shall be sized in accordance with Table 917.2. *Stacks* shall be uniformly sized based on the total connected *drainage fixture unit* load. The *stack vent* shall be the same size as the drainage *stack*. A 3-inch 76 mm) *stack* shall serve not more than two closets.

TABLE 917.2
SINGLE STACK SIZE

STACK SIZE (inches)	MAXIMUM CONNECTED DRAINAGE FIXTURE UNITS		
	Stacks less than 75 feet in height	Stacks 75 feet to less than 160 feet in height	Stacks 160 feet and greater in height
3	24	NP	NP
4	225	24	NP
5	480	225	24
6	1,015	480	225
8	2,320	1,015	480
10	4,500	2,320	1,015
12	8,100	4,500	2,320
15	13,600	8,100	4,500

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm

917.3 Branch size. *Horizontal branches* connecting to a single-stack vent system shall be sized in accordance with Table 710.1(2). Not more than one water closet shall discharge into a 3-inch (76 mm) horizontal *branch* at a point within a developed length of 18 inches (457 mm) measured horizontally from the *stack.*

Where a water closet is within 18 inches (457 mm) measured horizontally from the *stack* and not more than one fixture with a drain size of not more than 1½ inches (38 mm) connects to a 3-inch (76 mm) *horizontal branch*, the *branch* drain connection to the *stack* shall be made with a sanitary tee.

917.4 Length of horizontal branches. The length of *horizontal branches* shall conform to the requirements of Sections 917.4.1 through 917.4.3.

917.4.1 Water closet connection. Water closet connections shall be not greater than 4 feet (1219 mm) in *developed length* measured horizontally from the *stack.*

Exception: Where the connection is made with a sanitary tee, the maximum *developed length* shall be 8 feet (2438 mm).

917.4.2 Fixture connections. Fixtures other than water closets shall be located not greater than 12 feet (3657 mm) in *developed length*, measured horizontally from the *stack.*

917.4.3 Vertical piping in branch. The length of vertical piping in a *fixture drain* connecting to a *horizontal branch* shall not be considered in computing the fixture's distance in *developed length* measured horizontally from the *stack.*

917.5 Minimum vertical piping size from fixture. The vertical portion of piping in a *fixture drain* to a *horizontal branch* shall be 2 inches (51 mm). The minimum size of the vertical portion of piping for a water-supplied urinal or

standpipe shall be 3 inches (76 mm). The maximum vertical drop shall be 4 feet (1219 mm). *Fixture drains* that are not increased in size or have a vertical drop in excess of 4 feet (1219 mm) shall be individually vented.

917.6 Additional venting required. Additional venting shall be provided where more than one water closet discharges to a *horizontal branch* where the distance from a fixture trap to the *stack* exceeds the limits in Section 917.4. Where additional venting is required, the fixture(s) shall be vented by *individual vents*, *common vents*, *wet vents*, *circuit vents*, or a combination waste and vent pipe. The *dry vent* extensions for the additional venting shall connect to a *branch vent*, vent *stack*, *stack vent*, air admittance valve, or shall terminate outdoors.

917.7 Stack offsets. Where *fixture drains* are not connected below a horizontal offset in a *stack*, a horizontal offset shall not be required to be vented. Where horizontal *branches* or *fixture drains* are connected below a horizontal offset in a *stack*, the offset shall be vented in accordance with Section 907. Fixture connections shall not be made to a *stack* within 2 feet (610 mm) above or below a horizontal offset.

917.8 Prohibited lower connections. *Stacks* greater than 2 *branch intervals* in height shall not receive the discharge of *horizontal branches* on the lower two floors. There shall not be connections to the *stack* between the lower two floors and a distance of not less than 10 pipe diameters downstream from the base of the single *stack vented* system.

917.9 Sizing building drains and sewers. The *building drain* and *building sewer* receiving the discharge of a single *stack vent* system shall be sized in accordance with Table 710.1(1).

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Plumbing Code, 917.1.1

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

On the Submission for Permanent Rule form, Box 9B of the form, should this refer to a "single" stack system?

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: May 5, 2020

917.1.1 Engineered Single Stack Systems. Engineered single *stack* systems shall be listed in accordance to the standards of the specific material utilized in the system, designed by a *design professional* and installed in accordance with the manufacturer's installation instructions.

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Plumbing Code, 1102.2

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

The language you are proposing to delete is not what is contained in the Code itself. The Code language states:

> *Exception: Plastic pipe with an inside diameter of 2 inches and larger shall not be used for storm drainage conductors in buildings in which the top occupied floor exceeds 75 feet (23 m) in height.*

Please ensure you are striking the proper language.

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: May 5, 2020

1102.2 Inside storm drainage conductors. Inside storm drainage conductors installed above ground shall conform to one of the standards listed in Table 702.1.

~~**Exception:** Plastic pipe with an inside diameter of 2 inches and larger shall not be used for *Stacks* in which the top occupied floor exceeds 75 feet (23 m) in height.~~

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.

REQUEST FOR TECHNICAL CHANGE

AGENCY: Building Code Council

RULE CITATION: 2018 Plumbing Code, 1102.7

DEADLINE FOR RECEIPT: Friday, May 15, 2020

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 our office to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following technical changes be made:

The language you are proposing to delete is not what is contained in the Code itself. Please ensure you are striking the proper language.

Further, are you also going to remove Table 1102.7?

If you are removing all of 1102.7, then this is a repeal and the Submission for Permanent Rule form, Box 3, needs to reflect this.

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: May 5, 2020

~~**1102.7 Fittings.** Plastic pipe fittings and plastic plumbing appurtenances with an inside diameter of 2 inches and larger shall not be used for storm drainage conductors in buildings in which the top occupied floor exceeds 75 feet (23 m) in height.~~
~~**Exception:** Plastic pipe fittings and plastic plumbing appurtenances with inside diameter of 2 inches and larger shall not be used for storm drainage conductors in buildings in which the top occupied floor exceeds 75 feet (23 m) in height.~~

The delayed effective date of this Rule is January 1, 2021.
The Statutory authority for Rule-making is G. S. 143-136; 143-138.