1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal): 2018 NC Building Code 428.2 Residential care homes (200714 Item B-28)		
3. Action:		
 4. Rule exempt from RRC review? □ Yes. Cite authority: ☑ No 	 5. Rule automatically subject to legislative review? Yes. Cite authority: No 	
 6. Notice for Proposed Rule: Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on:		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
 ☐ Yes Agency submitted request for consultation on: Consultation not required. Cite authority: ☑ No 	 □ This Rule was part of a combined analysis. □ State funds affected □ Local funds affected □ Substantial economic impact (≥\$1,000,000) □ Approved by OSBM ○ No fiscal note required 	
 9A. What prompted this action? Check all that apply: Agency Court order / cite: Federal statute / cite: Federal regulation / cite: 9B. Explain: 	 DN FOR ACTION Legislation enacted by the General Assembly Cite Session Law: Petition for rule-making Other: quire Section 428.2 of the 2018 NC Building Code for a licensed mined by the 2018 NC Residential Code. 	
The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
10. Rulemaking Coordinator: Carl Martin Carl Martin Phone: 1(919)647-0009 E-Mail: carl.martin@ncdoi.gov Additional agency contact, if any: Phone: E-Mail:	 11. Signature of Agency Head* or Rule-making Coordinator: 22.22.22.22.22.22.22.22.22.22.22.22.22.	
	OAH USE ONLY	
Action taken: RRC extended period of review: RRC determined substantial changes: Withdrawn by agency Subject to Legislative Review Other:		

2018 NC Building Code 428.2 Residential care homes (200714 Item B-28)

428.2 Residential care homes. Homes keeping no more than six adults or six unrestrained children who are able to respond and evacuate the facility without assistance, determined by the state agency having jurisdiction to be licensable, shall be classified as single-family residential (*North Carolina Residential Code*) and comply with the requirements of this section and the *North Carolina Residential Code* for detached one- and two-family dwellings and townhouses.

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal):		
2018 NC Building Code 428.3 Licensed small residential care 3. Action:	(200714 Item B-29)	
\square ADOPTION \square AMENDMENT \square REPEAL \square	READOPTION REPEAL through READOPTION	
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	☐ Yes. Cite authority:	
No No	No No	
6. Notice for Proposed Rule:		
 Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on: 		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
Yes	☐ This Rule was part of a combined analysis.	
Agency submitted request for consultation on:		
Consultation not required. Cite authority:	 State funds affected Local funds affected 	
	☐ Substantial economic impact (≥\$1,000,000)	
No No	Approved by OSBM	
	No fiscal note required	
9A. What prompted this action? Check all that apply: Agency □ Legislation enacted by the General Assembly □ Court order / cite: □ Cite Session Law: □ Federal statute / cite: □ Petition for rule-making □ Federal regulation / cite: □ Other: 9B. Explain: □ Other: 9B. Explain: □ Other: The purpose of this amendment is to clarify intent to "only" require Section 428.3 of the 2018 NC Building Code for a licensed residential care home. Any other requirements would be determined by the 2018 NC Residential Code. The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138. 10. Rulemaking Coordinator: Carl Martin 11. Signature of Agency Head* or Rule-making Coordinator:		
Carl Martin Phone: 1(919)647-0009	1. Matin	
E-Mail: carl.martin@ncdoi.gov	Cart Court	
Additional agency contact, if any: Phone:	*If this function has been delegated (reassigned) pursuant to G.S. 143B-10(a), submit a copy of the delegation with this form.	
E-Mail:	Typed Name: Carl Martin Title: Chief Code Consultant	
RRC ANI	O OAH USE ONLY	
Action taken:		
 RRC extended period of review: RRC determined substantial changes: Withdrawn by agency Subject to Legislative Review Other: 		

2018 NC Building Code 428.3 Licensed small residential care facilities (200714 Item B-29)

428.3 Licensed Small Residential Care Facilities. The following facilities when determined by the state agency having jurisdiction to be licensable, shall be classified as Single-Family Residential <u>and comply with the requirements of this section and the *North Carolina Residential Code* for detached one- and two-family dwellings and townhouses.</u>

1. Residential Care Facilities keeping no more than six adults or six unrestrained children with no more than three who are unable to respond and evacuate without assistance.

2. Residential Care Facilities keeping no more than five adults or five children who are unable to respond and evacuate without assistance, when certifiable for Medicaid reimbursement, and when staffed 24-hours per day with at least two staff awake at all times.

3. Residential Care Facilities keeping no more than nine adults or nine children who are able to respond and evacuate without assistance.

1. Rule-Making Agency: NC Building Code Council		
 2. Rule citation & name (name not required for repeal): 2018 NC Residential Code R101.2.2 Accessory structures, R202 Definitions and R327.1 General. (200901 Item B-19) 		
3. Action:		
 4. Rule exempt from RRC review? □ Yes. Cite authority: □ No 	 5. Rule automatically subject to legislative review? Yes. Cite authority: No 	
6. Notice for Proposed Rule:		
 Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on: 		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
 ☐ Yes Agency submitted request for consultation on: Consultation not required. Cite authority: ⊠ No 	 □ This Rule was part of a combined analysis. □ State funds affected □ Local funds affected □ Substantial economic impact (≥\$1,000,000) □ Approved by OSBM ⊠ No fiscal note required 	
9. REAS	DN FOR ACTION	
9A. What prompted this action? Check all that apply:		
10. Rulemaking Coordinator: Carl Martin Carl Martin Phone: 1(919)647-0009 E-Mail: carl.martin@ncdoi.gov Additional agency contact, if any: Phone: E-Mail:	 11. Signature of Agency Head* or Rule-making Coordinator: <i>Addata</i> *If this function has been delegated (reassigned) pursuant to G.S. 143B-10(a), submit a copy of the delegation with this form. Typed Name: Carl Martin Title: Chief Code Consultant 	
RRC AND Action taken:	OAH USE ONLY	
 RRC extended period of review: RRC determined substantial changes: Withdrawn by agency Subject to Legislative Review Other: 		

2018 NC Residential Code R101.2.2 Accessory structures. (200901 Item B-19)

R101.2.2 Accessory structures.

Only the following accessory structures shall meet the provisions of this code.

1. Decks, see Appendix M,

- 2. Gazebos,
- 3. Retaining walls, see Section R404.4,
- 4. Detached masonry chimneys located less than 10 feet (3048 mm) from other buildings or lot lines,
- 5. Swimming pools and spas, see Appendix V,
- 6. Detached carports,

Exception: Portable lightweight carports not exceeding 400 square feet (37 m²) or 12 foot (3658 mm) mean roof height.

7. Docks, piers, bulkheads, and waterway structures, see Section R327.

R202 Definitions.

ACCESSORY BUILDING. In one and two family *dwellings* not more than three stories *above grade plane* in height with a separate means of egress, a. <u>A</u> building <u>that does not contain a sleeping room</u>, the use of which is incidental accessory to that of the main building <u>dwelling</u>, and that is detached and located on the same lot <u>as the dwelling</u>. An accessory building <u>and</u> is roofed over and <u>with</u> more than 50 percent of its exterior walls are enclosed. Examples of accessory buildings are garages, storage buildings, workshops, boat houses, treehouses, and similar structures.

ACCESSORY STRUCTURE. A structure that is <u>accessory to the dwelling and not defined as an *accessory building*. Examples of accessory structures are fencing, decks, gazebos, arbors, retaining walls, barbecue pits, detached chimneys, playground equipment, yard art, *docks, piers*, etc.</u>

PRIVATE POND. A body of water owned entirely by a single property owner and located on the same parcel of land as a detached single-family dwelling.

SECTION R327 DOCKS, PIERS, BULKHEADS AND WATERWAY STRUCTURES

R327.1 General.

Docks, piers, bulkheads and waterway structures shall be constructed in accordance with Chapter 36 of the *North Carolina Building Code*.

Exceptions: Structures complying with the following are not required to meet the provisions of this code. 1. <u>Docks and Piers built over private ponds.</u>

2. Fixed in place walkways, *docks*, and *piers* not covered in Exception 1 and not exceeding 144 square feet for single family dwelling.

3. Minor repairs to existing docks, piers and waterway structures.

1. Fixed piers associated with a one- or two- family dwelling meeting all of the following:

1.1. A maximum of four boat slips for a single owner of a one- or two- family dwelling or two adjacent, riparian owners.

1.2. A maximum height of 15 feet (4572 mm) measured from deck to mud line at any location along the pier. 1.3. A maximum normal pool depth of 13 feet (3962 mm) on lakes and ponds and a maximum mean low water

depth of 7 feet (2134 mm) in other locations.

1.4. A maximum walkway width of 6 feet (1829 mm).

1.5. A maximum pile spacing of 8 feet (2438 mm), in both directions.

1.6. A maximum of 576 sq. ft. (53.5 m²) for non-walkways areas.

1.7. A maximum boat slip length of 40 feet (12.2 m).

1.8. A maximum roofed area of 576 sq. ft. (53.5 m²) with an additional maximum 2 foot (610 mm) overhang.

1.9. Constructed with no enclosed or multilevel structures.

1.10. Supports a boatlift with a maximum design capacity no greater than 16,000 pounds (71.2 kN).

2. Floating docks associated with a one- or two- family dwelling meeting all of the following:

6

Permanent Rule 0400 - 03/2019

2.1. A maximum of four boat slips for a single owner of a one or two family dwelling or two adjacent, riparian owners.

2.2. A maximum normal pool depth of 20 feet (6096 mm) for docks with guide piles on lakes and ponds and a maximum mean low water of 10 feet (3048 mm) for docks with guide piles in other locations.

2.3. A maximum boat slip length of 40 feet (12.2 m).

2.4. Finger piers, crosswalks or other floating surfaces having a minimum width of 3 feet (914 mm) wide to a maximum of 6 feet (1829 mm) wide, except for a single 8 foot x 16 foot (2438 mm x 4877 mm) section.

2.5. When constructed with a roof the following conditions exist:

i. Ultimate design wind speed is 115 mph (51 m/s) or less;

ii. Roof load is 20 psf (0.96 kPa) or less;

iii. A maximum eave height of 10 feet (3048 mm);

iv. A maximum roof slope of 4:12;

v. A maximum roofed area of 576 sq. ft. (53.5 m²) with an additional maximum 2 foot (610 mm) overhang; vi. A minimum boat slip width of 12 feet (3658 mm):

vii. A minimum floating dock width of 4 feet (1219 mm) along both sides of the boat slip;

viii. A maximum dead load of 12 psf (0.57 kPa);

ix. Floating structures supporting roof structures are balanced or anchored to reduce the possibility of tipping.

2.6. Constructed with no enclosed or multilevel structures.

2.7. Supports a boat lift with a maximum design capacity no greater than 16,000 pounds (71.2 kN).

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal): 2018 NC Residential Code R328 Demolition. (200714 Item B-20)		
3. Action:		
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	Yes. Cite authority:	
No	No No	
6. Notice for Proposed Rule:		
 Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on: 		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
☐ Yes	This Rule was part of a combined analysis.	
Agency submitted request for consultation on:	State funde offected	
Consultation not required. Cite authority:	State funds affected Local funds affected	
🖂 No	□ Substantial economic impact (≥\$1,000,000)	
	Approved by OSBM	
	No fiscal note required	
	ON FOR ACTION	
 9A. What prompted this action? Check all that apply: Agency Court order / cite: Federal statute / cite: Federal regulation / cite: 9B. Explain: 	 □ Legislation enacted by the General Assembly Cite Session Law: ⊠ Petition for rule-making □ Other: 	
The purpose of this amendment is to clarify demolition requirements that are required by chapter 1 Scope.		
The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
10. Rulemaking Coordinator: Carl Martin	11. Signature of Agency Head* or Rule-making Coordinator:	
Carl Martin Phone: 1(919)647-0009	Altation	
E-Mail: carl.martin@ncdoi.gov	Cat Martin	
	*If this function has been delegated (reassigned) pursuant to	
Additional agency contact, if any:	G.S. 143B-10(a), submit a copy of the delegation with this form.	
Phone: E-Mail:	Typed Name: Carl Martin	
	Title: Chief Code Consultant	
	OAH USE ONLY	
Action taken:		
 RRC extended period of review: RRC determined substantial changes: Withdrawn by agency Subject to Legislative Review Other: 		
	Rule 0400 – 03/2019	

2018 NC Residential Code R328 Demolition. (200714 Item B-20)

SECTION R328 DEMOLITION

R328.1 Demolition. Where a building or structure regulated by this code has been demolished or removed, the lot shall not create a new hazard to the site or to adjoining properties. All utilities shall be properly terminated.

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal):		
2018 NC Residential Code R404.4 Retaining walls. (200714 It 3. Action:	em B-18)	
3. ACTION:		
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	Yes. Cite authority:	
Image: No 6. Notice for Proposed Rule:	No No	
Notice Required Notice of Text published on: August 17, 2020		
Link to Agency notice: https://www.ncosfm.gov/codes/bu Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on:	unding-code-council-occ/occ-nearing-notices	
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
	This Rule was part of a combined analysis.	
Agency submitted request for consultation on:		
Consultation not required. Cite authority:	 State funds affected Local funds affected 	
🖂 No	☐ Substantial economic impact (≥\$1,000,000)	
	Approved by OSBM	
	No fiscal note required	
9. REASC 9A. What prompted this action? Check all that apply:	ON FOR ACTION	
Agency	Legislation enacted by the General Assembly	
Court order / cite:	Cite Session Law:	
Federal statute / cite: Federal regulation / cite:	 Petition for rule-making Other: 	
9B. Explain:		
	de requirements for an engineered design of retaining walls to align	
with the commercial code.		
The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
	11. Signature of Agency Head* or Rule-making Coordinator:	
Carl Martin Phone: 1(919)647-0009	1 1 ti	
E-Mail: carl.martin@ncdoi.gov	Cat Martin	
	*If this function has been delegated (reassigned) pursuant to G.S. 143B-10(a), submit a copy of the delegation with this form.	
Phone:	G.S. 145D-10(a), submit a copy of the delegation with this form.	
	Typed Name: Carl Martin	
	Title: Chief Code Consultant	
RRC AND OAH USE ONLY		
Action taken:		
RRC extended period of review:		
 RRC determined substantial changes: Withdrawn by agency 		
Subject to Legislative Review		
Other:		
10 Permanent R	Rule 0400 – 03/2019	

2018 NC Residential Code R404.4 Retaining walls. (200714 Item B-18)

R404.4 Retaining walls. Retaining walls that are not laterally supported at the top and that retain in excess of 48 inches (1219 mm) of unbalanced fill, shall be designed to ensure stability against overturning, sliding, excessive foundation pressure and water uplift. In addition, any retaining wall that meets meet the following shall be designed by a *registered design professional*.

1. Any retaining wall systems on a residential site that cross over adjacent property lines regardless of vertical height, and

2. Retaining walls that support buildings and their accessory structures.,

3. Retaining walls exceeding 4 feet (1524 mm) of unbalanced backfill height, or

4. Retaining wall systems providing a cumulative vertical relief greater than 5 feet (1524 mm) in height within a horizontal distance of 50 feet (15 m) or less.

Retaining walls shall be designed for a safety factor of 1.5 against lateral sliding and overturning.

1. Rule-Making Agency: NC Building Code Council		
 2. Rule citation & name (name not required for repeal): 2018 NC Residential Code R905.2.8.5 Drip Edge and R908.3 Roof replacement (200714 Item B-24) 		
3. Action:		
 4. Rule exempt from RRC review? ☐ Yes. Cite authority: ☑ No 	 5. Rule automatically subject to legislative review? Yes. Cite authority: No 	
 6. Notice for Proposed Rule: Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on:		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
 ☐ Yes Agency submitted request for consultation on: Consultation not required. Cite authority: ☑ No 	 □ This Rule was part of a combined analysis. □ State funds affected □ Local funds affected □ Substantial economic impact (≥\$1,000,000) □ Approved by OSBM □ No fiscal note required 	
 9. REASON FOR ACTION 9A. What prompted this action? Check all that apply: Agency Legislation enacted by the General Assembly Court order / cite: Cite Session Law: Federal statute / cite: Petition for rule-making Federal regulation / cite: Other: 9B. Explain: The drip edge continues to be problematic due to the confusion of the word "Deleted" currently in the code. The purpose of this amendment is to clarify the section. Most shingle manufacturer's recommend but do not require a drip edge. The delayed effective date of this Rule is January 1, 2022. 		
The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
Carl Martin Phone: 1(919)647-0009 E-Mail: carl.martin@ncdoi.gov Additional agency contact, if any: Phone: E-Mail:	 11. Signature of Agency Head* or Rule-making Coordinator: <i>Additional and the second seco</i>	
Action taken:	OAH USE ONLY	
 RRC extended period of review: RRC determined substantial changes: Withdrawn by agency Subject to Legislative Review Other: 	ule 0400 – 03/2019	

2018 NC Residential Code R905.2.8.5 Drip edge and R908.3 Roof replacement (200714 Item B-24)

R905.2.8.5 Drip Edge. Deleted. Not required unless required by the roof covering manufacturer installation instructions. The drip edge placed around the edge of a roof prior to installing the roofing material shall be designed so that water runs off over the drip edge and falls from a slight projection at the bottom edge of the roof rather than running back under, or along the eaves. Metal, wood or exterior composite materials can be used for the drip edge.

R908.3 Roof replacement. Roof replacement shall include the removal of existing layers of roof coverings down to the roof deck <u>and replacement of up to 15% of the total existing roof deck</u>. <u>Replacement of up to 15% of the total roof deck shall not be considered structural work</u>.

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal): 2018 NC Residential Code R4603.6 Tying and bracing of wood piles (200714 Item B-21)		
3. Action:		
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	Yes. Cite authority:	
No	No No	
6. Notice for Proposed Rule:		
Notice of Text published on: August 17, 2020		
Link to Agency notice: https://www.ncosfm.gov/codes/b	uilding-code-council-bcc/bcc-hearing-notices	
Hearing on: September 1, 2020		
Adoption by Agency on: December 8, 2020 Notice not required under G.S.:		
Adoption by Agency on:		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
7. Rule establishes of mercases a ree. (See G.S. 12-5.1)		
Yes	☐ This Rule was part of a combined analysis.	
Agency submitted request for consultation on: Consultation not required. Cite authority:	State funds affected	
-	 □ Local funds affected □ Substantial economic impact (≥\$1,000,000) 	
No No	Approved by OSBM	
	No fiscal note required	
9. REASC	ON FOR ACTION	
9A. What prompted this action? Check all that apply:		
Agency	Legislation enacted by the General Assembly	
Court order / cite: Federal statute / cite:	Cite Session Law:	
Federal regulation / cite:	Other:	
9B. Explain:		
	ling screws in corner deck locations that are currently required to be	
through bolted.		
The delayed effective date of this Rule is January 1, 2022.	120	
The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
10. Rulemaking Coordinator: Carl Martin Carl Martin	11. Signature of Agency Head* or Rule-making Coordinator:	
Phone: 1(919)647-0009	Cal Matin	
E-Mail: carl.martin@ncdoi.gov	care les	
Additional aganay contact if any	*If this function has been delegated (reassigned) pursuant to G.S. 143B-10(a), submit a copy of the delegation with this form.	
Additional agency contact, if any: Phone:	G.S. 145B-10(a), submit a copy of the delegation with this form.	
E-Mail:	Typed Name: Carl Martin	
	Title: Chief Code Consultant	
RRC AND OAH USE ONLY		
Action taken:		
RRC extended period of review:		
RRC determined substantial changes:		
Withdrawn by agency		
Subject to Legislative Review		
Other:		
14 Permanent F	Rule 0400 – 03/2019	

2018 NC Residential Code

R4603.6 Tying and bracing of wood piles (200714 Item B-21)

R4603.6.1 Tying at corners. At corners, girders shall be connected to the pile with a minimum $3/16 \times 4 \times 18$ -inch $(5 \times 102 \times 467 \text{ mm})$ hot dip galvanized strap bolted with two 5/8 inch (15.9 mm) galvanized through bolts on the exterior and a minimum L4 <u>x 4 x 3/16 x 1'-6"</u> ($102 \times 5 \times 467 \text{ mm}$) galvanized steel angle bolted with two 5/8 inch (15.9 mm) galvanized through bolts on the interior in accordance with Figure R4603.6(d), <u>or with a minimum of (2)</u> 3/16"x 4"x 18" (5x102x467 mm) hot dip galvanized straps installed on the outside of the girders with fasteners per Table R4603.6.1 and in accordance with Figure R4603.6 (e).

Table R4603.6.1

Minimum Fastening of Corner Beams and Girder to Pilings

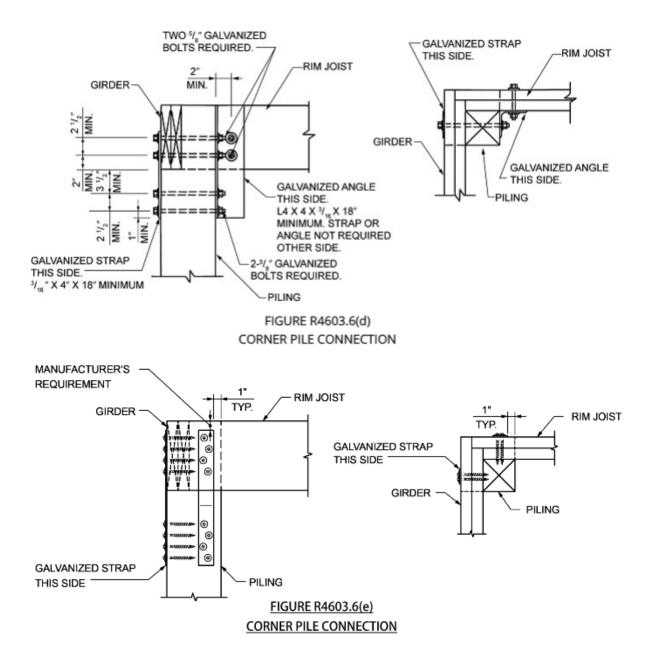
Amount Piling is	Associated	Hardware	Fasteners
Notched	<u>Figure</u>		
	<u>R4603.6(d)</u>	<u>one 3/16" x 4" x 18"</u>	six 5/8" bolts ²
$\geq 50\%^{1}$		<u>one L4 x 4 x 3/16 x 18"</u>	
	<u>R4603.6 (e)</u>	<u>two 3/16" x 4" x 18"</u>	eight 0.27"x4" each strap ³

1. Where piling is notched over 50%, use strap as required in Section 4603.6. Install the specified number of bolts or screws in each end of the strap.

2. Bolts shall be 5/8" diameter hot dipped galvanized through bolts with nuts and washers.

3. Screws shall be 0.270" (6.9 mm) minimum in diameter, hot dipped galvanized to a minimum of A153, Class C, and have a minimum length of 4" or shall be long enough to penetrate through the girder and a minimum of one inch into the remaining pile, whichever is greater.

R4603.6.2 Bracing of Pilings. Bracing of pile foundations is required where the clear height from ground to sill, beam or girder exceeds 10 feet (3048 mm) or the dwelling is more than one story above piles. A line of X-bracing is defined as a row of piles with X-bracing provided in at least two bays. A line of X-bracing shall be provided at all exterior pile lines. Where the perimeter lines of X-bracing exceed 40 feet (12 192 mm), an additional line of X-bracing shall be provided near the center of the building. See Figure R4603.6(e)(f). X-bracing shall be with 2×10 s through bolted with two 3/4-inch (19.1 mm) bolts at each end. The *code official* is permitted to accept alternate bracing designs if they bear the seal of a *registered design professional*.



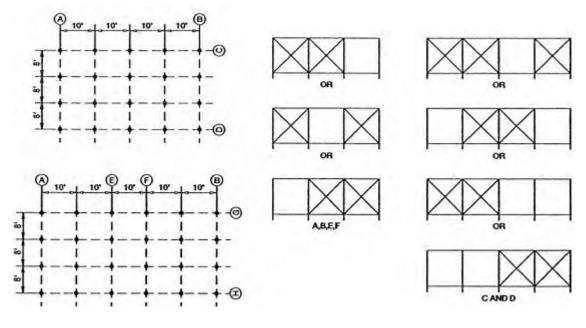


FIGURE R4603.6(e)(f) ELEVATIONS (SHOWING POSSIBLE ARRANGEMENT OF X-BRACING IN LINE) (G AND H SIMILAR)

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal): 2018 NC Residential Code N1101.13 (R401.2) Compliance (200714 Item B-23)		
3. Action:		
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	Yes. Cite authority:	
	No No	
6. Notice for Proposed Rule:		
 Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on: 		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
T Yes	This Rule was part of a combined analysis.	
Agency submitted request for consultation on: Consultation not required. Cite authority:	 ☐ State funds affected ☐ Local funds affected ☐ Substantial economic impact (≥\$1,000,000) ☐ Approved by OSBM ⊠ No fiscal note required 	
9. REAS	ON FOR ACTION	
9A. What prompted this action? Check all that apply:		
Agency Court order / cite: Federal statute / cite: Federal regulation / cite: 9B. Explain: The purpose of this amendment is to expand the options for co	 □ Legislation enacted by the General Assembly Cite Session Law: ○ Petition for rule-making □ Other: mpliance by allowing the use of the ANSI/RESNET/ICC 301 -2019 of Low Pice Periodential Puildings using an Energy Pating Index as a	
Standard for Calculation and Labeling of Energy Performance of Low-Rise Residential Buildings using an Energy Rating Index as a stand-alone compliance path. The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
10. Rulemaking Coordinator: Carl Martin	11. Signature of Agency Head* or Rule-making Coordinator:	
Carl Martin Phone: 1(919)647-0009 E-Mail: carl.martin@ncdoi.gov	*If this function has been delegated (reassigned) pursuant to	
Additional agency contact, if any:	G.S. 143B-10(a), submit a copy of the delegation with this form.	
Phone: E-Mail:	Typed Name: Carl Martin Title: Chief Code Consultant	
RRC AND OAH USE ONLY		
Action taken: RRC extended period of review: RRC determined substantial changes: Withdrawn by agency		
Subject to Legislative Review		
Other:		
18 Permanent K	Rule 0400 – 03/2019	

2018 NC Residential Code N1101.13 (R401.2) Compliance. (200714 Item B-23)

IRC Chapter 11

N1101.13 (R401.2) Compliance. Projects shall comply with one of the following:

1. Sections N1101.14 through N1104.

2. Section N1105 and the provisions of Sections N1101.14 through N1104 labeled "Mandatory."

3. An energy rating index (ERI) approach in Section N1106.

4. North Carolina specific REScheckTM shall be permitted to demonstrate compliance with this code. Envelope requirements may not be traded off against the use of high efficiency heating or cooling equipment. No trade-off calculations are needed for required termite inspection and treatment gaps.

5. Rated in accordance with ANSI/RESNET/ICC 301-2019 Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index with a maximum energy rating index (ERI) less than or equal to the appropriate value indicated in one of the following tables as applicable, when compared to the ERI reference design:

MAXIMUM ENERGY RATING INDEX (without calculation of on-site renewable energy)

CLIMATE ZONE	<u>JAN. 1, 2019 –</u> Dec. 31, 2022	JAN. 1,2023 AND FORWARD
<u>3</u>	<u>65</u>	<u>61</u>
<u>4</u>	<u>67</u>	<u>63</u>
<u>5</u>	<u>67</u>	<u>63</u>

MAXIMUM ENERGY RATING INDEX (including calculation of on-site renewable energy)

CLIMATE ZONE	<u>JAN. 1, 2019 –</u> Dec. 31, 2022	JAN. 1,2023 AND FORWARD
<u>3</u>	<u>51</u>	<u>42</u>
<u>4</u>	<u>54</u>	<u>50</u>
<u>5</u>	55	<u>51</u>

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal):		
2018 NC Fire Code Section 315.3.1 Ceiling clearance. (2007)	4 Item B-13)	
3. Action:		
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	Yes. Cite authority:	
	No No	
 6. Notice for Proposed Rule: Notice Required Notice of Text published on: August 17, 2020 		
Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.:		
Adoption by Agency on:		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
Yes	This Rule was part of a combined analysis.	
Agency submitted request for consultation on:	State funds affected	
Consultation not required. Cite authority:	Local funds affected	
🖂 No	Substantial economic impact (≥\$1,000,000)	
	 ☐ Approved by OSBM ☑ No fiscal note required 	
9 REAS	DN FOR ACTION	
9A. What prompted this action? Check all that apply:	JATOR ACTION	
Agency	Legislation enacted by the General Assembly	
Court order / cite:	Cite Session Law:	
Federal statute / cite: Federal regulation / cite:	Petition for rule-making Other:	
9B. Explain:		
The purpose of this amendment is to update the 2018 NC Fire	Code to reflect exceptions allowed in the 2021 International Fore	
Code.		
The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
10. Rulemaking Coordinator: Carl Martin	11. Signature of Agency Head* or Rule-making Coordinator:	
Carl Martin Phone: 1(919)647-0009	A lati	
E-Mail: carl.martin@ncdoi.gov	Cat Martin	
	*If this function has been delegated (reassigned) pursuant to	
Additional agency contact, if any: Phone:	G.S. 143B-10(a), submit a copy of the delegation with this form.	
E-Mail:	Typed Name: Carl Martin	
	Title: Chief Code Consultant	
Action taken:	OAH USE ONLY	
 RRC extended period of review: RRC determined substantial changes: 		
Withdrawn by agency		
Subject to Legislative Review		
Other:		
20 Permanent F	Rule 0400 – 03/2019	

2018 NC Fire Code

Section 315.3.1 Ceiling clearance. (200714 Item B-13)

315.3.1 Ceiling clearance.

Storage shall be maintained 2 feet (610 mm) or more below the ceiling in nonsprinklered areas of buildings or not less than 18 inches (457 mm) below sprinkler head deflectors in sprinklered areas of buildings.

Exceptions:

1. The 2-foot (610 mm) ceiling clearance is not required for storage along walls in nonsprinklered areas of buildings.

2. The 18-inch (457 mm) ceiling clearance is not required for storage along walls in areas of buildings equipped with an *automatic sprinkler system* in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3.

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal): 2018 NC Fire Code and Building Code Section 907.2.1 Group A. (200714 Item B-14)		
3. Action:	READOPTION 🗌 REPEAL through READOPTION	
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	Yes. Cite authority:	
No No	No No	
6. Notice for Proposed Rule:		
 Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on: 		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
Yes	☐ This Rule was part of a combined analysis.	
 ☐ Yes Agency submitted request for consultation on: Consultation not required. Cite authority: ☑ No 	 State funds affected Local funds affected Substantial economic impact (≥\$1,000,000) Approved by OSBM No fiscal note required 	
9. REASC	ON FOR ACTION	
 9A. What prompted this action? Check all that apply: Agency Court order / cite: Federal statute / cite: Federal regulation / cite: 9B. Explain: The purpose of this amendment is to bring language from the 2 manual fire alarm is required for Group A (Assembly) occupation 	 Legislation enacted by the General Assembly Cite Session Law: Petition for rule-making Other: 2018 IFC into the code and provide more guidance as to when a necies. 	
The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
10. Rulemaking Coordinator: Carl Martin	11. Signature of Agency Head* or Rule-making Coordinator:	
Carl Martin	1. Matin	
Phone: 1(919)647-0009 E. Mailt, and months Gradai and	Cal Martin	
E-Mail: carl.martin@ncdoi.gov	*If this function has been delegated (reassigned) pursuant to	
Additional agency contact, if any:	G.S. 143B-10(a), submit a copy of the delegation with this form.	
Phone:		
E-Mail:	Typed Name: Carl Martin Title: Chief Code Consultant	
RRC AND OAH USE ONLY		
Action taken:		
RRC extended period of review:		
RRC determined substantial changes:		
 Withdrawn by agency Subject to Legislative Review 		
Other:		
	Rule 0400 – 03/2019	

2018 NC Fire Code and Building Code Section 907.2.1 Group A. (200714 Item B-14)

907.2.1 Group A.

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies where the occupant load due to the assembly occupancy is 300 or more, or where the Group A occupant load is more than 100 persons above or below the lowest level of exit discharge. Group A occupancies not separated from one another in accordance with Sections 707.3.10 and 711.2.4 of the *International Building Code* shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal): 2018 NC Fire Code Section 2303.2.1 Height. (200714 Item B-15)		
3. Action:	READOPTION REPEAL through READOPTION	
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
☐ Yes. Cite authority:⊠ No	☐ Yes. Cite authority:⊠ No	
6. Notice for Proposed Rule:		
 Notice for Proposed Kale. Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on: 		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
□ Yes	This Rule was part of a combined analysis.	
Agency submitted request for consultation on: Consultation not required. Cite authority:	State funds affected	
	 □ Local funds affected □ Substantial economic impact (≥\$1,000,000) 	
No No	Approved by OSBM	
	No fiscal note required	
9. REASC 9A. What prompted this action? Check all that apply:	ON FOR ACTION	
\boxtimes Agency	Legislation enacted by the General Assembly	
Court order / cite:	Cite Session Law:	
 Federal statute / cite: Federal regulation / cite: 	 Petition for rule-making Other: 	
9B. Explain:		
The purpose of this amendment is to provide allowed mounting height complies with ADA reach range requirements.	g heights for emergency disconnect switches. The allowed mounting	
The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
10. Rulemaking Coordinator: Carl Martin Carl Martin	11. Signature of Agency Head* or Rule-making Coordinator:	
Carl Martin Phone: 1(919)647-0009	1 1 ti	
E-Mail: carl.martin@ncdoi.gov	*If this function has been delegated (magnined) memory ().	
Additional agency contact, if any:	*If this function has been delegated (reassigned) pursuant to G.S. 143B-10(a), submit a copy of the delegation with this form.	
Phone:	Tamed Names Card Martin	
E-Mail:	Typed Name: Carl Martin Title: Chief Code Consultant	
RRC AND OAH USE ONLY Action taken:		
RRC extended period of review:		
RRC determined substantial changes:		
 Withdrawn by agency Subject to Legislative Review 		
Other:		
24 Permanent R	Rule 0400 – 03/2019	

2018 NC Fire Code Section 2303.2.1 Height. (200714 Item B-15)

2303.2.1 Height. The height of the emergency disconnect switch shall be not less than 42 inches (1067 mm) and not more than 48 inches (1219 mm) measured vertically, from the floor level to the activating <u>button.</u>

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal): 2018 NC Existing Building Code Section 402.6 Carbon monoxide alarms in existing portions of a building. (200714 Item B-11)		
3. Action:	READOPTION REPEAL through READOPTION	
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	Yes. Cite authority:	
No No	No No	
6. Notice for Proposed Rule:		
 Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on: 		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
Yes	☐ This Rule was part of a combined analysis.	
Agency submitted request for consultation on:	State funde offected	
Consultation not required. Cite authority:	 State funds affected Local funds affected 	
	□ Substantial economic impact (≥\$1,000,000)	
No No	Approved by OSBM	
	No fiscal note required	
9. REAS	ON FOR ACTION	
 9A. What prompted this action? Check all that apply: Agency Court order / cite: Federal statute / cite: Federal regulation / cite: 	 Legislation enacted by the General Assembly Cite Session Law: Petition for rule-making Other: 	
9B. Explain:		
	ent with Sections 403.11, 804.4.3 and 1104.2 for carbon monoxide	
alarms in Group A-2 occupancies.		
The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
10. Rulemaking Coordinator: Carl Martin	11. Signature of Agency Head* or Rule-making Coordinator:	
Carl Martin	A lul 1:	
Phone: 1(919)647-0009 E-Mail: carl.martin@ncdoi.gov	Cal Martin	
L'Han. carimartin Micuoigov	*If this function has been delegated (reassigned) pursuant to	
Additional agency contact, if any:	G.S. 143B-10(a), submit a copy of the delegation with this form.	
Phone:	Torred Newser Could Month's	
E-Mail:	Typed Name: Carl Martin Title: Chief Code Consultant	
RRC AND OAH USE ONLY		
Action taken:		
RRC extended period of review:		
RRC determined substantial changes:		
Withdrawn by agency		
Subject to Legislative Review		
Other:		

2018 NC Existing Building Code

Section 402.6 Carbon monoxide alarms in existing portions of a building. (200714 Item B-11)

402.6 Carbon monoxide alarms in existing portions of a building. Where an addition is made to a building or structure of a Group <u>A-2</u>, I-1, I-2, I-4 or R occupancies, or classrooms are added in Group E occupancies, the *existing building* shall be provided with carbon monoxide alarms in accordance with Section 915 of the *North Carolina Building Code*, except that the carbon monoxide alarms shall be allowed to be solely battery operated.

1. Rule-Making Agency: NC Building Code Council		
2. Rule citation & name (name not required for repeal): 2018 NC Plumbing Code 405.3.1 Water closets, urinals, lavatories and bidets. (200714 Item B-5)		
3. Action:	READOPTION 🗌 REPEAL through READOPTION	
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	Yes. Cite authority:	
No No	No No	
6. Notice for Proposed Rule:		
 Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 Notice not required under G.S.: Adoption by Agency on: 		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
Yes	☐ This Rule was part of a combined analysis.	
Agency submitted request for consultation on: Consultation not required. Cite authority:	 ☐ State funds affected ☐ Local funds affected ☐ Substantial economic impact (≥\$1,000,000) ☐ Approved by OSBM 	
	\square Approved by OSBW	
9. REASON FOR ACTION 9. What prompted this action? Check all that apply:		
Agency	Legislation enacted by the General Assembly	
Court order / cite:	Cite Session Law:	
Federal statute / cite:	Petition for rule-making	
Federal regulation / cite:	Other:	
9B. Explain:		
The purpose of this amendment is to allow side-by-side lavato that the existing exception was intended for detached one- and	ries to be closer than 30 inches in private bathrooms and to identify	
that the existing exception was intended for detached one- and	two-ranning dwennings.	
The delayed effective date of this Rule is January 1, 2022. The Statutory authority for Rule-making is G. S. 143-136; 143-138.		
10. Rulemaking Coordinator: Carl Martin	11. Signature of Agency Head* or Rule-making Coordinator:	
Carl Martin	Altation	
Phone: 1(919)647-0009 E-Mail: carl.martin@ncdoi.gov	Cal Martin	
E-Mail. Carlinar tin@itcubi.gov	*If this function has been delegated (reassigned) pursuant to	
Additional agency contact, if any:	G.S. 143B-10(a), submit a copy of the delegation with this form.	
Phone:		
E-Mail:	Typed Name: Carl Martin Title: Chief Code Consultant	
	Title: Chief Code Consultant	
RRC AND OAH USE ONLY		
Action taken:		
RRC extended period of review: RRC determined substantial changes:		
Withdrawn by agency		
Subject to Legislative Review		
Other:		
28 Permanent F	Rule 0400 – 03/2019	

2018 NC Plumbing Code

405.3.1 Water closets, urinals, lavatories and bidets. (200714 Item B-5)

405.3.1 Water closets, urinals, lavatories and bidets.

A water closet, urinal, lavatory or bidet shall not be set closer than 15 inches (381 mm) from its center to any side wall, partition, vanity or other obstruction, or closer than 30 inches (762 mm) center to center between adjacent fixtures. There shall be not less than a 21-inch (533 mm) clearance in front of the water closet, urinal, lavatory or bidet to any wall, fixture or door. Water closet compartments shall be not less than 30 inches (762 mm) in width and not less than 60 inches (1524 mm) in depth for floor-mounted water closets and not less than 30 inches (762 mm) in width and 56 inches (1422 mm) in depth for wall-hung water closets.

Exceptions:

Exception:

<u>1.</u> For <u>detached</u> one- and two-family dwellings and townhouses, see the *North Carolina Residential Code*, Figure Section R307.1 for minimum fixture clearances.

2. Private side by side lavatories may be less than 30 inches (762 mm) center to center.

1. Rule-Making Agency: NC Building Code Council		
 2. Rule citation & name (name not required for repeal): 2018 NC Administrative Code 106.4 Site Address Signage. (200714 Item B-1) 		
3. Action:	READOPTION REPEAL through READOPTION	
4. Rule exempt from RRC review?	5. Rule automatically subject to legislative review?	
Yes. Cite authority:	Yes. Cite authority:	
No No	No No	
6. Notice for Proposed Rule:		
 Notice Required Notice of Text published on: August 17, 2020 Link to Agency notice: https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-hearing-notices Hearing on: September 1, 2020 Adoption by Agency on: December 8, 2020 □ Notice not required under G.S.: Adoption by Agency on: 		
7. Rule establishes or increases a fee? (See G.S. 12-3.1)	8. Fiscal impact. Check all that apply.	
Yes	☐ This Rule was part of a combined analysis.	
 ☐ Yes Agency submitted request for consultation on: Consultation not required. Cite authority: ☑ No 	 State funds affected Local funds affected Substantial economic impact (≥\$1,000,000) Approved by OSBM No fiscal note required 	
9. REAS	ON FOR ACTION	
9A. What prompted this action? Check all that apply: Agency Legislation enacted by the General Assembly Court order / cite: Cite Session Law: Federal statute / cite: Petition for rule-making Federal regulation / cite: Other: 9B. Explain: Other: The purpose of this amendment is to require site address signage during construction for purposes of locating the property for inspections or for emergency responders. The delayed effective date of this Rule is January 1, 2022.		
The Statutory authority for Rule-making is G. S. 143-136; 143	-138.	
10. Rulemaking Coordinator: Carl Martin Carl Martin Phone: 1(919)647-0009 E-Mail: carl.martin@ncdoi.gov Additional agency contact, if any: Phone: E-Mail:	11. Signature of Agency Head* or Rule-making Coordinator: Image: Coordinator: *If this function has been delegated (reassigned) pursuant to G.S. 143B-10(a), submit a copy of the delegation with this form. Typed Name: Carl Martin Title: Chief Code Consultant	
RRC AND OAH USE ONLY		
Action taken: RRC extended period of review: RRC determined substantial changes: Withdrawn by agency Subject to Legislative Review Other:		
30 Permanent H	Rule 0400 – 03/2019	

2018 NC Administrative Code 106.4 Site Address Signage. (200714 Item B-1)

106.4 Site address signage. It is the responsibility of the permit applicant or designee to post the 911 site address on an active jobsite at the commencement of work regulated by the NC Building Codes. The signage shall be temporary or permanent per 106.4.1 or 106.4.3.

106.4.1 Temporary signage. Signage to identify a construction site location can be temporary. Acceptable temporary signage may include such items as a permit placard, an address written on job box, yard signage or other *approved* temporary method. Temporary street name markers shall be required if permanent street signs are not in place for new developments or subdivisions.

106.4.2 Temporary Signage Location. Address signage shall be placed such that it is legible from the street or road that fronts the property at all times during construction.

106.4.3 Permanent signage. Address signage meeting the requirements of the *International Residential Code* Section R319 for One- and Two-family Dwellings, *International Building Code* Section 501.2 or *International Fire Code* Section 505.1 for commercial buildings shall be deemed as meeting the requirements of this section.