



# North Carolina Building Code Council

Staffed by the NC Department of Insurance

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## Building Code Council

### Chair:

Bridget Herring - 23  
(Public Representative)

### Vice Chairman:

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(Architect)

### Members:

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(State Agency)

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Jason B. Shepherd - 27  
(Fire Services)

David L. Smith - 22  
(Coastal Contractor)

Victoria Watlington, PE - 22  
(Municipal Government Rep)

Robert Zapple - 22  
(County Gov't Rep)

August 15, 2022

Bridget Herring  
P.O. Box 7148  
Asheville, NC 28802

RE: Agenda for the September 13, 2022 NC Building Code  
Council Meeting

Ms. Herring:

This is officially to notify you and other interested parties of a regularly scheduled meeting of the NC Building Code Council. Persons requiring auxiliary services should notify the Council at least ten business days prior to the meeting.

1. The NC Building Code Council Meeting will begin at 9:00AM on Tuesday, September 13, 2022 (Albemarle Building). The meeting can be accessed remotely via Facebook Live (<https://www.facebook.com/NCOSFMEngineering>) Remote access does not provide capability to address the council.
2. Standing Committees will meet in the afternoon on Monday, September 12<sup>th</sup>. Schedule to be set by the Council Chair.
3. The Agenda is printed as follows:  
A-Items- Administrative items that require Council action but are not subject to Rule-Making.  
B-Items- New amendment petitions introduced at this meeting.  
C-Items- Amendments that have been granted by the Council and advertised in the NC Register for public hearing.  
D-Items- Adoption of amendments by the Council prior to approval by the Rules Review Commission.  
E-Items- Reports from Committees and Staff.  
F-Items- Notice of Appeal Hearings.

## **Part A – Administrative Items**

- Item A – 1 Ethics Statement: Inquire upon conflicts of interest or appearance of conflicts that exist within the Council.**
- Item A – 2 Swearing-in of new Council Members**
- Item A – 3 Election of new Vice Chair**
- Item A – 4 Approval of minutes of the June 14, 2022 NC Building Code Council Meetings.**
- Item A – 5 Approval of 2023 Building Code Council meeting dates.**
- Item A – 6 Request from the Town of Kernersville for approval to perform local plan review.**
- Item A – 7 Rules Review Commission Meeting Report**
- Item A – 8 Public Comments**

## **Part B – New Petition for Rulemaking**

The following Petitions for Rulemaking have been received since the last Council meeting. The Council will vote either to deny or grant these Petitions. The Council will give no further consideration to Petitions that are denied. Petitions that are granted may proceed through the Rulemaking process. The council may send any Petition to the appropriate committee. The hearing will take place during or after the December 13, 2022 meeting.

**There will be no B items received from the floor.**

- Item B – 1 Request by Carl Martin representing NC Department of Insurance to amend the 2018 NC Plumbing Code, Table 403.1 and 202 and the 2018 NC Building Code, Table 2902.1 and 202 as follows:**

**NC PLUMBING CODE:**

**TABLE 403.1 - MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES**

NO.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS (URINALS: SEE SECTION 419.2)		LAVATORIES		BATHTUBS/ SHOWERS	DRINKING FOUNTAIN (SEE SECTION 410)	OTHER
				MALE	FEMALE	MALE	FEMALE			
1	Assembly (See Sections 403.2, 403.3 and 403.3.3.2)	A-3	Places of worship and other religious services. <u>Including churches</u> Churches without assembly halls <sup>e</sup>	1 per 150	1 per 75	1 per 200		-	1 per 1,000	1 service sink

e. The number of fixtures provided shall be based on either the capacity of the church sanctuary or the church educational building (including fellowship halls and multiple purpose rooms), whichever is larger and ~~within 300 feet (91.44 m)~~. Remote buildings applying this footnote shall be a maximum of 300 feet (91.44 m) exterior travel distance to the nearest entrance of the building containing required plumbing fixtures and the total plumbing fixture access travel distance shall comply with Section 403.3.3. The path of travel between buildings is not required to be enclosed or covered when applying this footnote.

*(The remainder of Table 403.1 remains unchanged by this proposed amendment.)*

**Section 202 – General Definitions**

**Travel distance, plumbing fixture access.** Travel distance shall be measured from the most remote point of each room, area or space along the natural, unobstructed and accessible path of horizontal and vertical travel to the entrance to the nearest toilet room containing plumbing fixtures required to serve the room, area or space.

**NC BUILDING CODE:**

**[P] TABLE 2902.1**

**MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES**

NO.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS (URINALS: SEE SECTION 419.2 OF THE INTERNATIONAL PLUMBING CODE)		LAVATORIES		BATHTUBS/ SHOWERS	DRINKING FOUNTAIN (SEE SECTION 410 OF THE INTERNATIONAL PLUMBING CODE)	OTHER
				MALE	FEMALE	MALE	FEMALE			
1	Assembly (See Sections 403.2, 403.3 and 403.3.3.2)	A-3	Places of worship and other religious services. <u>Including churches</u> Churches without assembly halls <sup>e</sup>	1 per 150	1 per 75	1 per 200		-	1 per 1,000	1 service sink

e. The number of fixtures provided shall be based on either the capacity of the church sanctuary or the church educational building (including fellowship halls and multiple purpose rooms), whichever is larger and ~~within 300 feet (91.44 m)~~. Remote buildings applying this footnote shall be a maximum of 300 feet (91.44 m) exterior travel distance to the nearest entrance of the building containing required plumbing fixtures and the total plumbing fixture access travel distance shall comply with Section 2902.3.2. The path of travel between buildings is not required to be enclosed or covered when applying this footnote.

*(The remainder of Table 2902.1 remains unchanged by this proposed amendment.)*

**Section 202 – Definitions**

**Travel distance, plumbing fixture access.** Travel distance shall be measured from the most remote point of each room, area or space along the natural, unobstructed and accessible path of horizontal and vertical travel to the entrance to the nearest toilet room containing plumbing fixtures required to serve the room, area or space.

**Item B – 2 Request by Carl Martin representing NC Department of Insurance to amend the 2018 NC Building Code, Table 1004.1.2 as follows:**

**TABLE 1004.1.2  
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT<sup>e</sup>**

Skating rinks, swimming pools, recreational courts	
Rink, pool, and recreational court	50 gross
Decks	15 gross <sup>d</sup>

For SI: 1 square foot = 0.0929 m<sup>2</sup>, 1 foot = 304.8 mm.

- a. Floor area in square feet per occupant.
- b. An assembly occupancy conference room that is accessory to a Group B office occupancy and meeting the requirements of Section 303.1, exception 2, shall be calculated at 100 square feet per occupant for determining the overall occupant load of the associated floor. The assembly occupancy shall be calculated at 15 square feet per occupant for the purpose of determining egress from the room containing the assembly occupancy.
- c. For mixed uses sum all loads before rounding up to the next whole number.
- d. Occupant circulation area required by NCAC 18A.2522 around the edge of a swimming pool shall not be included in the deck gross floor area.

*(The remainder of Table 1004.1.2 remains unchanged by this proposed amendment.)*

**Item B – 3 Request by Wanda Edwards of Wanda Edwards Consulting, Inc. representing Rheia to amend the 2018 NC Residential Code, Sections R202, N1103.3.1, N1106.2 as follows:**

Revise Section N1103.3.1 and Section N1106.2 as follows:

**N1103.3.1 (R403.3.1) Insulation (Mandatory).** Supply and return ducts in unconditioned space and outdoors shall be insulated to a minimum R-8. ~~Supply ducts inside semi-conditioned space shall be insulated to a minimum R-4; return ducts inside conditioned and semi-conditioned space are not required to be insulated. Ducts located inside conditioned space are not required to be insulated other than as may be necessary for preventing the formation of condensation on the exterior of cooling ducts.~~

**Exception:**

Ducts or portions thereof located completely inside the building thermal envelope.

**N1106.2 (R406.2) Mandatory requirements.** Compliance with this section requires that the provisions identified in Sections N1101.14 through N1104 labeled as “mandatory” be met. The building thermal envelope shall be greater than or equal to levels of efficiency and Solar Heat Gain Coefficient in Table 402.1.1 or Table 402.1.3 of the 2012 *North Carolina Energy Conservation Code*. Minimum standards associated with compliance shall be the ANSI/RESNET/ICC 301—2014 *Standard for the Calculation and Labeling of the Energy Performance of Low-Rise Residential Buildings using an Energy Rating Index*. A North Carolina registered design professional or certified HERS rater is required to perform the analysis if required by North Carolina licensure laws.

**Exception:** Supply and return ducts in unconditioned space and outdoors shall be insulated to a minimum R-8. ~~Supply ducts inside a semi-conditioned space shall be insulated to a minimum R-4; return~~ Return ducts inside conditioned and ~~semi~~conditioned spaces are not required to be insulated. ~~Ducts located inside a conditioned space are not required to be insulated other than as may be necessary for preventing the formation of condensation on the exterior of cooling ducts.~~

Delete the definition of semi-conditioned space in its entirety as follows:

~~**SEMI-CONDITIONED SPACE.** A space within the building thermal envelope that is not directly heated and/or cooled.~~

**Part C – Notice of Rulemaking Proceedings and Public Hearing**

The following Petitions for Rulemaking have been granted by the Council. Notice of Rulemaking proceedings has been made. The Public Hearing will be held on September 13, 2022, and the Final Adoption meeting may take place on or after December 13, 2022. The written public comment period expires on October 14, 2022.

**Item C – 1 Request by Charlie Johnson representing NCDOT/OSFM to amend the 2018 NC Fire Code, Section D107.1 as follows (220614 Item B-1):**

**D107.1 One- or two-family dwelling residential developments.**

Developments of one- or two-family dwellings where the number of *dwelling units* exceeds 100 ~~30~~ shall be provided with two separate and *approved* fire apparatus access roads.

**Exceptions:**

1. Where there are more than 100 ~~30~~ *dwelling units* on a single public or private fire apparatus access road and all *dwelling units* are equipped throughout with an *approved automatic sprinkler system* in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3 of the *International Fire Code*, access from two directions shall not be required.

**Item C – 2 Request by Charlie Johnson representing NCDOT/OSFM to amend the 2018 NC Fire Code, Section D107.2 as follows (220614 Item B-2):**

**D107.2 Remoteness.** Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses.

**Exception:** For developments where compliance is technically infeasible because of road connectivity limitations, real property dimensions or limitations, real property acquisition constraints, or environmental constraints, as determined by the property owner or developer, the *fire code official* shall either not require two fire apparatus access roads or allow for alterations that provide for fire apparatus access road remoteness to the maximum extent technically feasible.

**Item C – 3 Request by Colin Triming representing the NC Fire Code Revision Committee to amend the 2018 NC Fire Code Sections 510.4.2, 510.5, 510.5.4, and Chapter 80 as follows (220614 Item B-3):**

**510.4.2 System design.** The in-building 2- way emergency responder communication coverage system shall be designed in accordance with Sections 510.4.2.1 through 510.4.2.8 and NFPA ~~1221~~.1225

**510.5 Installation requirements.** The installation of the in-building 2- way emergency responder communication coverage system shall be in accordance with NFPA ~~1221~~ 1225 and Sections 510.5.1 through 510.5.5.

**510.5.4 Acceptance test procedure.** Where an in-building 2- way emergency responder communication coverage system is required, and upon completion of installation, the building owner shall have the radio system tested to verify that two-way coverage on each floor of the building is not less than 95 percent. The test procedure shall be conducted as follows:

1. Each floor of the building shall be divided into a grid of 20 approximately equal test areas. Where a floor exceeds 128,000 ft<sup>2</sup> (11,900 m<sup>2</sup>), which is the floor area that can be covered by the maximum grid dimension of 80 ft. (24.4m), the floor shall be subdivided into sectors each having an area less than or equal to 128,000 ft<sup>2</sup> (11,900 m<sup>2</sup>), and each sector be tested individually with 20 grid cells in each sector. Signal strength measurements should be taken at the center of each grid and should be performed using standardized parameters as specified by NFPA ~~1221~~ 1225

*(Remainder of this section is unchanged by this proposed amendment)*

**Chapter 80 Referenced Standards**

**NFPA**

~~NFPA 1221 – 19 Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems.....510.4.2, 510.5, 510.5.4.~~

NFPA 1225 – 22 Standard for Emergency Services Communications.....510.4.2, 510.5, 510.5.4.

**Item C – 4 Request from Mark Burns representing NC DOI / OSFM to amend the 2018 Plumbing Code, Table 605.3 as follows (220614 Item B-5):**

**TABLE 605.3  
WATER SERVICE PIPE**

<b>MATERIAL</b>	<b>STANDARD</b>
Polyvinyl chloride (PVC) plastic pipe	ASTM D1785; ASTM D2241; ASTM D2672; CSA B137.3; <u>ANSI/AWWA C900</u>

*(Remainder of this table is unchanged by this proposed amendment)*

**Item C – 5 Request from Mark Burns representing NCDOT / OSFM to amend the 2018 Residential Code, Table P2906.4 as follows (220614 Item B-6):**

**TABLE P2906.4  
WATER SERVICE PIPE**

<b>MATERIAL</b>	<b>STANDARD</b>
Polyvinyl chloride (PVC) plastic pipe	ASTM D1785; ASTM D2241; ASTM D2672; CSA B137.3; <u>ANSI/AWWA C900</u>

*(Remainder of this table is unchanged by this proposed amendment)*

## Part D – Final Adoption

The following Petitions for Rulemaking have been granted by the Council. Notice of Rulemaking proceedings and Public Hearing has been made. The Public Hearings were held on June 14, 2022. The Final Adoption meeting will take place on September 13, 2022. The Council will give no further consideration to Petitions that are disapproved. Petitions that are approved will proceed through the Rulemaking process. The effective date is January 1, 2023 unless otherwise noted.

### Item D – 1 Request by Carl Martin representing NC Department of Insurance to amend the 2018 NC Residential Code, Sections R101.2 and R202 as follows (220315 Item B-3):

#### R101.2 Scope.

The provisions of the *International Residential Code for One- and Two-family Dwellings* shall apply to the construction, *alteration*, movement, enlargement, replacement, repair, *equipment*, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and *townhouses* not more than three stories above *grade plane* in height with a separate means of egress, and their *accessory structures* not more than three stories above *grade plane* in height. Single family dwellings otherwise permitted by this code shall include *bed and breakfast homes*.

#### Exceptions:

1. Live/work units ~~located in townhouses~~ and complying with the requirements of Section 419 of the *International Building Code* shall be permitted to be built as one- and two- family *dwellings* or townhouses. Fire suppression required by Section 419.5 of the *International Building Code* where constructed under the *International Residential Code for One- and Two-family Dwellings* shall conform to Section P2904.
2. Deleted.

#### Section R202 DEFINITIONS

**LIVE/WORK UNIT.** *A dwelling unit in which more than 10 percent and less than 50 percent of the space includes a nonresidential use that is operated by the tenant.*

### Item D - 2 Request from Carl Martin representing NC Department of Insurance to amend the 2018 NC Residential Code, Section R101.2 and Table R302.1; the 2018 NC Building Code Table 602 and Section 903.2.8; and the 2018 NC Fire Code, Section 903.2.8 as follows (220315 Item B-4):

#### NCRC:

#### R101.2 Scope.

The provisions of the *International Residential Code for One- and Two-family*



*Dwellings* shall apply to the construction, *alteration*, movement, enlargement, replacement, repair, *equipment*, use and occupancy, location, removal and demolition of one or more detached one- and two-family dwellings and *townhouses* located on a parcel not more than three stories above *grade plane* in height with a separate means of egress, and their *accessory structures* not more than three stories above *grade plane* in height. Single family dwellings otherwise permitted by this code shall include *bed and breakfast homes*.

**Exceptions:**

1. Live/work units located in *townhouses* and complying with the requirements of Section 419 of the *International Building Code* shall be permitted to be built as one- and two- family *dwellings* or townhouses. Fire suppression required by Section 419.5 of the *International Building Code* where constructed under the *International Residential Code for One- and Two-family Dwellings* shall conform to Section P2904.
2. Deleted.

**NCRC:**

**Section R202 DEFINITIONS**

**TOWNHOUSE.** A single-family *dwelling unit* constructed in a group of two or more attached units separated by property lines or assumed property lines in which each unit extends from foundation to roof and with yard or public way on not less than two sides.

**NCRC:  
TABLE R302.1  
EXTERIOR WALLS**

EXTERIOR WALL ELEMENT		MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	Fire-resistance rated	1 hour—tested in accordance with ASTM E 119 or UL 263 with exposure from both sides	< 3 feet < 5 feet <sup>a</sup>
	Not fire-resistance rated	0 hours	≥ 3 feet > 5 feet <sup>a</sup>
Projections	Fire-resistance rated	1 hour on the underside	< 3 feet < 5 feet <sup>a</sup>
	Not fire-resistance rated	0 hours	≥ 3 feet > 5 feet <sup>a</sup>
Openings in walls	Not allowed	N/A	< 3 feet < 5 feet <sup>a</sup>
	Unlimited	0 hours	≥ 3 feet > 5 feet <sup>a</sup>
Penetrations	All	Comply with Section R302.4	< 3 feet < 5 feet <sup>a</sup>
		None required	≥ 3 feet > 5 feet <sup>a</sup>

For SI: 1 foot = 304.8 mm.

N/A = Not Applicable.

a. Fire separation distance requirement for multiple dwellings on a single parcel.

**NCBC:**

**TABLE 602**

**FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE<sup>a,d,g</sup>**

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H <sup>e</sup>	OCCUPANCY GROUP F-1, M, S-1 <sup>f</sup>	OCCUPANCY GROUP A, B, E, F-2, I, R <sup>ij</sup> , S-2, U <sup>h</sup>
$X < 5^b$	All	3	2	1
$5 \leq X < 10$	IA Others	3 2	2 1	1 1
$10 \leq X < 30$	IA, IB IIB, VB Others	2 1 1	1 0 1	1 <sup>c</sup> 0 1 <sup>c</sup>
$X \geq 30$	All	0	0	0

For SI: 1 foot = 304.8 mm.

- a. Load-bearing exterior walls shall also comply with the fire-resistance rating requirements of Table 601.
- b. See Section 706.1.1 for party walls.
- c. Open parking garages complying with Section 406 shall not be required to have a fire-resistance rating.
- d. The fire-resistance rating of an exterior wall is determined based upon the fire separation distance of the exterior wall and the story in which the wall is located.
- e. For special requirements for Group H occupancies, see Section 415.6.
- f. For special requirements for Group S aircraft hangars, see Section 412.4.1.
- g. Where Table 705.8 permits nonbearing exterior walls with unlimited area of unprotected openings, the required fire-resistance rating for the exterior walls is 0 hours.
- h. For a building containing only a Group U occupancy private garage or carport, the exterior wall shall not be required to have a fire-resistance rating where the fire separation distance is 5 feet (1523 mm) or greater.
- ~~i. For Group R-3 detached one- and two-family dwellings of any construction type and not more than three stories above grade plane in height with a separate means of egress, a fire separation distance of 5 feet or less shall be 1-hour fire resistant rated and shall be 0-hour fire resistant rated for distances greater than 5 feet.~~
- ~~j. For Group R-3 attached one- and two-family dwellings of any construction type separated with fire walls complying with Section 706, containing no other occupancy classification, and not more than three stories above grade plane in height with a separate means of egress, a fire separation distance of 5 feet or less shall be 1-hour fire resistant rated and shall be 0-hour fire resistant rated for distances greater than 5 feet.~~

**NCBC:**

**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 m<sup>2</sup>) 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 *dwelling*s.
  - 5.2. Attached one and two family *dwelling*s separated with fire walls complying with Section 706 and containing no other occupancy classification.~~

**NCFC:**

**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*.

**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 m<sup>2</sup>) 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 shall be installed as required by other sections of this 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 *dwelling*s.
  - 5.2. Attached one and two family *dwelling*s separated with fire walls complying with NC Building Code, Section 706 and containing no other occupancy classification.~~

**Item D – 3 Request by Kim Wooten representing self to amend the 2020 National Electrical Code, Article 100 Definitions as follows (220315 Item B-6):**

**2020 NEC text:**

**Article 100 - Definitions**

**Coordination, Selective (Selective Coordination)**

Localization of an overcurrent condition to restrict outages to the circuit or equipment affected, accomplished by the selection and installation of overcurrent protective devices and their ratings or settings for the range of available overcurrents, ~~from overload to the available fault current~~, and for the full range of overcurrent protective device opening times ~~associated with those overcurrents~~.

**Replace via Amendment with:**

**Article 100 – Definitions**

**Coordination, Selective (Selective Coordination)**

Localization of an overcurrent condition to restrict outages to the circuit or equipment affected for fault current events that extend beyond 0.1 second, and accomplished by the selection and installation of overcurrent protective devices and their ratings or settings for the range of available overcurrents under such conditions, whether originating from overload, ground-fault or short circuit, and for the full range of overcurrent protective device opening times applicable to such events.

**Item D – 4 Request from Carl Martin representing NC Department of Insurance to amend the 2018 NC Administrative Code, Section 204.3.5 as follows (220315 Item B-7):**

**204.3.5 Design professional seal required.** Where the General Statutes, North Carolina Board of Architecture and Registered Interior Designers, or the North Carolina Board of Examiners for Engineers and Land Surveyors require, no permit shall be issued unless the construction documents (drawings and specifications), bear the North Carolina seal of a registered design professional. Construction documents shall include the name and address of the business entity (individual, corporation or partnership) with whom the registered design professional is affiliated. Questions concerning this section should be directed to the North Carolina Board of Architecture and Registered Interior Designers or the North Carolina Board of Examiners for Engineers and Land Surveyors.

~~**Exceptions:** For permitting purposes, the seal of a registered design professional is not required when the building, structure or project involved is in one of the categories listed below, unless otherwise required pursuant to the provisions of the General Statutes or the technical codes:~~

- ~~1. A family residence, up to eight units attached with grade level exit, which is not a part of or physically connected with any other buildings or residential units;~~
  - ~~2. A building upon any farm that is for the use of any farmer, unless the building is of such nature and intended for such use as to substantially involve the health or safety of the public;~~
  - ~~3. An institutional or commercial building if it does not have a total cost of construction exceeding \$90,000;~~
  - ~~4. An institutional or commercial building if the total building area does not exceed 2,500 square feet (2.32 m<sup>2</sup>) in gross floor area;~~
  - ~~5. Alteration, remodeling or renovation of an existing building that is exempt under this section, or alteration, remodeling or renovation of an existing building or building site that does not alter or affect the structural system of the building; change the building's access or exit pattern; or change the live or dead load on the building's structural system. This subdivision shall not limit or change any other exemptions to this chapter or to the practice of engineering under Chapter 89C of the General Statutes.~~
  - ~~6. The preparation and use of details and shop drawings, assembly or erection drawings, or graphic descriptions utilized to detail or illustrate a portion of the work required to construct the project in accordance with the plans and specifications prepared or to be prepared under the requirements or exemptions of this chapter.~~
  - ~~7. Nothing in this chapter shall be construed to prevent any individual from making plans or data for buildings for himself or herself. This exemption does not apply to plans for places of religious worship.~~
- (General Statute 83A-13)

**Item D – 5 Request from Bryan Holland representing National Electrical Manufacturers Association (NEMA) to amend the 2018 NC Electrical Code, Section 10.1 and 10.2 as follows** (211214 Item B-7)  
 (Tabled from the June 14, 2022 meeting):

**10.1 TITLE**

These Administrative Regulations along with the requirements included in the 2020 Edition of the National Electrical Code (NFPA-70 - 2020) as adopted by the North Carolina Building Code Council on June 8, 2021, to be effective November 1, 2021, with the following amendments:

- |                  |                   |                   |
|------------------|-------------------|-------------------|
| (1) 110.26(E)(2) | (12) 230.67       | (23) 334.15(C)    |
| (2) 210.8        | (13) 230.71(B)    | (24) 406.4(D)(4)  |
| (3) 210.8(A)     | (14) 230.85       | (25) 410.2        |
| (4) 210.8(A)(2)  | (15) 250.50       | (26) 410.16(C)    |
| (5) 210.8(A)(3)  | (16) 250.53(A)(2) | (27) 555.10(3)    |
| (6) 210.8(A)(5)  | (17) 250.140      | (28) 555.35(A)(3) |

(7) 210.8(B)(4)	(18) 250.142(B)	(29) 680.4
(8) 210.8(F)	(19) 300.3(B)	(30) 680.21(D)
(9) 210.12(D)	(20) Table 300.5	(31) 695.2
(10) 210.52(B)(2)	(21) 300.9	(32) 695.3
(11) 210.52(C)(2)	(22) 320.23(A)	

shall be known as the North Carolina Electrical Code, and may be cited as such or as the State Electrical Code; and will be referred to herein as “the code” or “this code”. This code shall ~~not~~ apply to one- and two-family dwellings effective November 1, 2022. ~~The 2017 State Electrical Code shall apply to one- and two-family dwellings.~~

**10.2 SCOPE**

~~Article 80 Administration and Enforcement of the code is hereby not adopted and does not apply for this code.~~ For Scope and Exceptions to Applicability of Technical Codes, refer to the North Carolina Administrative Code and Policies. ~~This code shall not apply to one- and two-family dwellings.~~

Proponent made request to table this item until the September 2022 NC BCC meeting pending possible legislative action.

**Part E – Reports**

- ❖ **Ad-Hoc Committee Reports**
- ❖ **Standing Committee Reports**
- ❖ **Staff Reports**
- ❖ **Chairman’s Report**

**Part F – Appeals**

Sincerely,

Carl Martin, RA. Secretary,  
NC Building Code Council