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**May 2023**

## **Table of Contents**

Introduction .....	2
Current Topics.....	2
National Association of State Fire Marshals Conference .....	2
Annual Business and Training Conferences.....	2
2024 NC Building Code .....	2
OSFM office move .....	3
Recurring Articles.....	3
Building Code Council – Upcoming Quarterly Meeting.....	3
Building Code Council – Past Quarterly Meeting .....	4
Code Officials Qualification Board Updates .....	4
Department Notes .....	4
Engineering Department .....	4
New Code Interpretations, Guidance Papers, and Appeals Posted .....	5
Cumulative Supplements.....	8
Education Section.....	8

NC Building Code Training .....	8
Reminders and other Resources .....	9
Open Mic .....	9
Tentative 2024 NC Code Development Calendar:.....	9

## Introduction

Welcome to the May 2023 OSFM Engineering Newsletter. Since our December 2022 newsletter, there was a regularly scheduled Building Code Council meeting held December 13<sup>th</sup>, and also one on March 14<sup>th</sup>. The result of the meetings and the recordings are posted on the NCDOT website.

Please note that most of the Proposed 2024 State Building Codes were introduced as B-Items in December and March, so the next several quarters of BCC meetings will have very full agendas. The submittals, fiscal notes, (where required) are available for viewing for the December 2022 and March 2023 meeting at the following links:

<https://www.ncosfm.gov/news/events/building-code-council-meeting-december-13-2022>

<https://www.ncosfm.gov/news/events/building-code-council-meeting-march-14-2023>

## Current Topics

### National Association of State Fire Marshals Conference

The National Association of State Fire Marshals (NASFM) conference will be held this year in Wilmington, NC, from Sunday, July 30<sup>th</sup> to Wednesday, August 2<sup>nd</sup>. There is a parallel track for Carbon Monoxide training and safety issues available at the conference. See the website for details on how to register for the NASFM conference or only the Carbon Monoxide track option.

<https://www.firemarshals.org/event-5095304>

### Annual Business and Training Conferences

The Annual Business/training conferences for the various NC code organizations are coming up quickly, including the NC Plumbing Inspectors Association, NC Building Inspectors Association, NC Mechanical Inspectors Association, and Electrical Inspectors. Please refer to the following websites for the dates and details of each organizations annual conference.

<a href="http://www.ncbia.org/">http://www.ncbia.org/</a>	(Building Inspectors Association)
<a href="http://ncpia.us/">http://ncpia.us/</a>	(Plumbing Inspectors Association)
<a href="https://www.nc-mia.com/">https://www.nc-mia.com/</a>	(Mechanical Inspectors note new website address – formerly www.ncmia.com)
<a href="https://nceia.com/">https://nceia.com/</a>	(Electrical Inspectors, note the new website address)

### 2024 NC Building Code

Several volumes of the proposed 2024 NC Building Code were introduced as B-items at the December 13<sup>th</sup> Building Code Council Meeting. The remainder of the volumes were intended to be introduced at the March 2023 Building Code Council meeting. Due to time shortages, several volumes were bumped to the June quarterly meeting.

The Residential Ad hoc committee has introduced a submittal that would keep the Chapter 11 (Energy), Chapters 12-23 (Mechanical) and Chapter 24 (Fuel Gas) the same as the 2018 version of the NC Residential Code.

The schedule would go as follows for items submitted as B-items at the December 2022 meeting:

## December 2022 B-items

North Carolina Administrative Code

NC Building Code

NC Fire Prevention Code

NC Existing Building Code

NC Energy Code (not Chapter 11 of the Residential Code)

## March 2023 B-items

Plumbing Code

Residential Code, Chapter 1-10, 25-33,45,46

## June 2023 B-items (intended)

Mechanical Code

Fuel Gas Code

NC Electrical Code (2023)

To clarify, the Residential standing committee will be submitting a version of the Residential Code where the Chapter 11 (Residential Energy), and 12-23, (Residential Mechanical) 24 (Residential Fuel Gas) are the same as the 2018 version of the NC Residential Code.

The Energy Standing committee is submitting a version of Chapter 11 that is updated with similar requirements as the IECC 2021 version.

The Mechanical Standing committee is submitting a version of Chapters 12-23, and Chapter 24, that have been updated.

These separate versions of the Residential code will be able to go through the process somewhat in parallel, and voted on by the Building Code Council Residential. This will allow the process to proceed forward in a timely manner.

Please refer to the minutes of the Building Code Council December and March meetings for more details, especially the B-items of each, as several B-items were tabled or withdrawn from the December meeting and re-submitted in either the March or June meeting.

## **OSFM office move**

The Office of State Fire Marshal, which includes the Engineering division has relocated to a facility located at 1429 Rock Quarry Road, Raleigh, NC. At the time of this writing, move-in is imminent, but we are still in a remote work situation. We look forward to having our clients visit us at our new home shortly.

## **Recurring Articles**

### **Building Code Council – Upcoming Quarterly Meeting**

A regularly scheduled quarterly BCC meeting will be held on June 13th, 2023. The full agenda can be read at the link listed below. The link will take you to the BCC Meetings webpage and the reader must then click on the .pdf file to open the agenda file.

## BCC Meeting Agenda-June 2023

<https://www.ncosfm.gov/news/events/building-code-council-meeting-june-13-2023>

## Building Code Council – Past Quarterly Meeting

A regularly scheduled quarterly BCC meeting was held on March 14th, 2023. The full agendas can be read at the links listed below. The link will take you to the BCC Minutes webpage and the reader must then click on the .pdf file to open the agenda file. The minutes for the December meeting are on the website, the December minutes are also available. The unofficial results of the D-items for the March meeting are posted below.

## BCC Meeting Agenda-March 2023

<https://www.ncosfm.gov/news/events/building-code-council-meeting-march-14-2023>

## BCC Meeting Minutes-March 2023 (pending approval)

<https://www.ncosfm.gov/news/events/building-code-council-meeting-march-14-2023>

Once the Building Code Council “approved” D-items are also approved by the Rule Review Commission, (sometimes an amendment gets sent back to Building Code Council for various technical reasons) the adopted rules will be placed on the NCDOT Engineering website.

The full review of the approved code amendments is left to the reader, but **the titles of each item** are bulleted below. Remember these are not final until they are through the Rules Review process. The approved December D-items, if approved by Rules Review Commission, will be effective January 1, 2024 for items pertaining to the Commercial Building Code.

## BCC Proposed Amendments-March 2023

- Item D – 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 (220913 Item B-1): (Remainder not shown for brevity) – **approved**
- Item D – 2 Request by Carl Martin representing NC Department of Insurance to amend the 2018 NC Building Code and Fire Code, Table 1004.1.2 as follows (220913 Item B-2): (Remainder not shown for brevity) - **approved**

## Code Officials Qualification Board Updates

The COQB will hold its regularly scheduled meeting July 25, 2023 1:00 PM - 4:00 PM.

Details, including future meetings, past meetings, agendas, and minutes are available on this webpage link can be found here: [COQB - Meeting Dates | OSFM \(ncosfm.gov\)](#)

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## Department Notes

### Engineering Department

Mark Burns has moved over to the NCDOT Private Plan Review group, and will no longer serve as the Chief Plumbing Code Consultant. The Chief Plumbing Code Consultant position will be advertised shortly.

### *As of May 2023, here is the staff list and respective responsibilities for the NC Building Code:*

- Pak Yip: **Building** Code (non-accessibility)

- Charlie Johnson: **Fire Code** (includes Chapter 9 of the NCBC)  
919-647-0094 [charlie.johnson@ncdoi.gov](mailto:charlie.johnson@ncdoi.gov)
- Curtis McLaughlin: **Residential Code**  
919-647-0071 [curtis.mclaughlin@ncdoi.gov](mailto:curtis.mclaughlin@ncdoi.gov)
- Jim Rodgers: **Residential Code** (non-structural)  
919-647-0056, 919-270-3699 (cell) [jim.rodgers@ncdoi.gov](mailto:jim.rodgers@ncdoi.gov)
- Pam Schooler: **Existing Building Code**  
919-647-0011: [pam.schooler@ncdoi.gov](mailto:pam.schooler@ncdoi.gov)
- Tara Barthelmess: **Accessibility**  
919-647-0014 [tara.barthelmess@ncdoi.gov](mailto:tara.barthelmess@ncdoi.gov)
- Vacant: (Interim - Dan Dittman) **Plumbing Code**  
919-647-0012 contact Dan Dittman or David Rittlinger
- Kate Whalen: **Mechanical and Fuel Gas Code**  
919-647-0033 [kathryn.whalen@ncdoi.gov](mailto:kathryn.whalen@ncdoi.gov)
- Dan Dittman: **Energy Code**  
919-647-0012 [dan.dittman@ncdoi.gov](mailto:dan.dittman@ncdoi.gov)

### **State Electrical Division Contacts**

- Danny Thomas: **Electrical Code** – General Electrical Code Questions  
919-647-0062 [daniel.thomas@ncdoi.gov](mailto:daniel.thomas@ncdoi.gov)
- Joe Starling: State **Electrical Engineer**  
919-397-6159 [joseph.starling@ncdoi.gov](mailto:joseph.starling@ncdoi.gov)
- Ben Wesley: Assistant Chief Electrical Code Consulting  
919-807-6115 [ben.wesley@ncdoi.gov](mailto:ben.wesley@ncdoi.gov)

In addition, the following topics will be addressed by:

- **Engineering Manager: Carl Martin** - contact for Statutes, Appeals, Council items (other than meeting minutes and agenda), Engineer Elements and Components,
- **David Rittlinger**: BCC meeting minutes and agenda, Rules Review Commission, Formal interpretations, Administrative Code (non-statute)  
919-647-0008 [david.rittlinger@ncdoi.gov](mailto:david.rittlinger@ncdoi.gov)
- **Sam Whittington**: Investigator, Complaints  
919-647-0028 [sam.whittington@ncdoi.gov](mailto:sam.whittington@ncdoi.gov)
- **Chris McLamb**: Investigator, Complaints  
919-647-0105 [christopher.mclamb@ncdoi.gov](mailto:christopher.mclamb@ncdoi.gov)
- **Tommy Green**: Investigator, Complaints  
919-647-0069 [tommy.green@ncdoi.gov](mailto:tommy.green@ncdoi.gov)

Link to New Website Personnel Contacts for Codes and Interpretations

<https://www.ncosfm.gov/codes/contact-codes-and-interpretations>

### **New Code Interpretations, Guidance Papers, and Appeals Posted**

Since the prior full newsletter (October 2022), the following web interpretations, guidance papers, or appeals have been posted. Since we are five or six-years into the present code cycle, there have not been many web interpretations required as of late. However, there have been ten formal interpretations made and posted since the prior full newsletter. The “Sort by” and “Order” drop down box sorts used for a while have been eliminated. Instead, the published date is available by each interpretation.

Code, Guidance, Appeals link:

<https://www.ncosfm.gov/interpretations>

## FIGURE 1: NEW LOOK OF CODE INTERPRETATIONS LANDING PAGE

Home > Codes > Code Interpretations

The screenshot shows the top navigation area of the Code Interpretations landing page. It features four orange buttons: "Code Interpretations", "Appeals", "Formal Interpretations", and "Guidance Papers". To the right of these buttons is a link: "Get notified of new code interpretations using RSS feeds". Below the navigation is a search filter form with three dropdown menus: "Search" (empty), "Code Type" (set to "- Any -"), and "Edition" (set to "- Any -"). An orange "Apply" button is located at the bottom left of the filter form.

### Interpretations

#### Administrative

No additional since previous newsletter

#### Building

No additional since previous newsletter

#### Fire Protection

No additional since previous newsletter

#### Energy

No additional since previous newsletter

#### Plumbing

No additional since previous newsletter

#### Residential

No additional since previous newsletter

#### Accessibility Interpretations

No additional since previous newsletter

### Electrical Interpretations

Presently, if you use the main Interpretations site, you need to click on "ALL" edition to view the Electrical interpretations on that site. There used to be another interpretations list specific to the Electrical Division, but that is no longer on the website. The various links will bring you back to the main interpretations site.

## FIGURE 2: ELECTRICAL CODE INTERPRETATIONS SECTION

Home > Codes > Code Interpretations

[Code Interpretations](#) [Appeals](#) [Formal Interpretations](#) [Guidance Papers](#)

[Get notified of new code interpretations using RSS feeds](#)

Search

Code Type  
Electrical

Edition  
- Any -

[Apply](#) [Reset](#)

Interpretation	Code Type	Edition	Published
<a href="#">100 - Structures versus Equipment</a>	Electrical	2014	06/28/2017
<a href="#">110.14 - Tightening Torque Inspection and Responsibility</a>	Electrical	2017	08/25/2020
<a href="#">110.26 - Working Space and Clearances</a>	Electrical	2017	10/07/2019

### Electrical Interpretations

No additional since previous newsletter

### Formal Interpretations and Appeals and Guidance Papers

Here are the **Formal Interpretations** and **Appeals** posted since the prior Newsletter:

#### Formal Interpretations

230425 Brunswick County 2018 NCRC P2903.9.1 Service valve  
2304020 BHDP LS3P 2028 NCEBC Section 410.7 and 806.2  
230305 BHDP SECU 2028 NCBC Section 2603.3 Surface burning characteristics  
2023-0210 Womble Bond Dickinson 2018 NCBC Section 1011.5.4 Dimensional uniformity  
221205 Design Development Architects 2018 NCBC 304.1 and 903.2.2 Ambulatory Care Facilities  
221201 Womble Bond Dickinson LLC 2018 NCBC Section 1011.5.4 Dimensional uniformity  
221128 Fayetteville NC Development Services 2018 NCACP 106.1 Permit required  
221128 LKB Inc 2018 NCEBC Chapter 5 Classification of Work  
2022-1017 Womble Bond Dickinson LLC 2018 NCBC Section 1011.5.4 Dimensional uniformity  
220930 Town of Chapel Hill Bldg and Dev Srvs Commercial Kitchen Definition

#### Appeals

20230509 Sean Sprouse - 163 W Main St Fire Escape NCDOI Decision  
20230411 Kim Parton - Hillsborough Fire Department and EMS Station NCDOI Decision  
20230404 United Realty Group - 620 Green Valley Road Suite 304 NCDOI Decision  
20230322 Campbell Code Consulting - Egress Through Elevator Lobby NCDOI Decision  
20221123 Swords - Bluffs at Woodfin Fire Access Road Remoteness NCDOI Decision

#### Guidance Papers

City County Owned Temporary Sleeping Units

## Cumulative Supplements



















Cumulative code changes and their adoption dates can be found on the DOI website at:

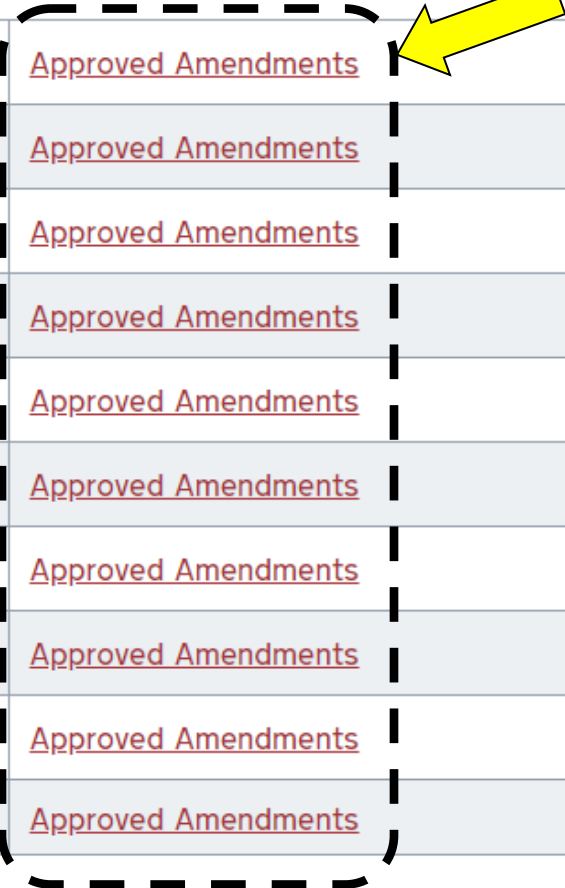
Cumulative code changes link:

<https://www.ncosfm.gov/codes/codes-current-and-past>

Each code volume has a file associated with it. The files range in size from three pages (Fuel Gas) to 64 pages (Residential). If the reader would find a table of contents beneficial for the quick perusal of these documents, please contact Rob Roegner [Rob.Roegner@ncdoi.gov](mailto:Rob.Roegner@ncdoi.gov) or Carl Martin [Carl.Martin@ncdoi.gov](mailto:Carl.Martin@ncdoi.gov).

**FIGURE 3: TABLE OF APPROVED AMENDMENTS**

<a href="#">2018 Administrative</a> 	<a href="#">Approved Amendments</a> 
<a href="#">2018 Building</a> 	<a href="#">Approved Amendments</a> 
<a href="#">2018 Residential</a> 	<a href="#">Approved Amendments</a> 
<a href="#">2018 Energy Conservation</a> 	<a href="#">Approved Amendments</a> 
<a href="#">2018 Existing Building</a> 	<a href="#">Approved Amendments</a> 
<a href="#">2018 Fire</a> 	<a href="#">Approved Amendments</a> 
<a href="#">2018 Fuel Gas</a> 	<a href="#">Approved Amendments</a> 
<a href="#">2018 Mechanical</a> 	<a href="#">Approved Amendments</a> 
<a href="#">2018 Plumbing</a> 	<a href="#">Approved Amendments</a> 
<a href="#">2017 Electrical Code *</a>	<a href="#">Approved Amendments</a> 



Remember, refer to NC Administrative Code section **102.4 Effective date of rules**, and **102.5 Interim use of approved rules** for clarification of effective dates and the process for using approved rules prior to the effective date.

## Education Section

### NC Building Code Training

The most up-to-date training schedule for all building codes are available at the following link:

<https://www.ncosfm.gov/licensing-cert/code-officials-qualification-board-coqb/coqb-code-education>

Once the web page is accessed, click the “**FIND A CLASS**” button to refine your search. Please check out the available on-line courses, and carefully read the locations and means of course offering. It is suggested that you contact the organization or individual providing the training to verify the locations and means of training before traveling to any given site or registering



for a class. As always, please consider the use of Standard Courses for fulfilling Con-Ed requirements, as they are an underutilized tool for that purpose.

**Other websites of Inspector Organizations that offer training**

- <http://www.ncbia.org/> (Building Inspectors Association)
- <http://ncpia.us/> (Plumbing Inspectors Association)
- <https://www.nc-mia.com/> (Mechanical Inspectors note new website address – formerly www.ncmia.com)
- <http://www.ncfma.com/> (Fire Marshals Association)
- <https://nceia.com/> (Electrical Inspectors, note the new website address)

Reminder: Before signing up for any class, verify the course number. Attendee will not receive credit for courses that they attended within the prior three years. Some courses are taught at multiple sites across multiple years.

## Reminders and other Resources

### Open Mic

The department (OSFM-Engineering) has been utilizing the WebEx format for several years now and it has proven to be a good tool to reach jurisdictions choosing or being able to participate. In order to view the times, proceed to the following link, and follow the directions therein:

[COQB - Meeting Dates | OSFM \(ncosfm.gov\)](#)

Please participate as your time allows.

### Tentative 2024 NC Code Development Calendar:

The ad hoc committees are largely complete, and the code volumes are in various stages (B-item, C-item, D-item) of submission. See the following link for any future meetings:

<https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-ad-hoc-committee-meeting-information>

The January 1, 2024 adoption date with an effective date of January 1, 2025 is the goal.

Several code volumes, including Mechanical, Fuel Gas, and Residential Chapters 11, 12-23, and 24 are slated for B-item submission at the June 2023 BCC Meeting. The remainder of the code volumes were submitted either in December 2022 or March of 2023, and are progressing through the process. See Table 1 for the progression to date.

The ad-hoc meetings are announced on the following location:

<https://www.ncosfm.gov/codes/building-code-council-bcc/bcc-meeting-dates>

**TABLE 1: NC 2024 CODE PROGRESSION TRACKING**

<b>December 2022 BCC Meeting</b>	<b>March 2023 BCC Meeting</b>	<b>June 2023 BCC Meeting</b>
NC Administrative Code 2024: B-1	NC Administrative Code 2024 (221213 Item B-1): C-1	NC Administrative Code 2024 (221213 Item B-1): D-1
NC Building Code 2024: B-3	NC Building Code 2024 (221213 Item B-2): C-3	NC Building Code 2024 (221213 Item B-2): D-3
NC Fire Prevention Code 2024: B-4	NC Fire Prevention Code 2024 (221213 Item B-4): C-4	NC Fire Prevention Code 2024 (221213 Item B-4): D-4
NC Existing Building Code 2024: B-5	NC Existing Building Code 2024 (221213 Item B-5): C-5	NC Existing Building Code 2024 (221213 Item B-5): D-5
NC Energy Code 2024: B-6	NC Energy Code 2024 (221213 Item B-6): C-6	NC Energy Code 2024 (221213 Item B-6): D-6
	NC Plumbing Code 2024: B-1	NC Plumbing Code 2024: C-1
	NC Residential Code 2024 Chapters 1-10,25-33,45,46 and Appendices: B-4	NC Residential Code 2024 Chapters 1-10,25-33,45,46 and Appendices (230314 Item B-4): C-2
		NC Mechanical Code 2024 : B-1
		NC Fuel Gas Code 2024: B-2
		NC Electrical Code (2023): B-3
		NC Residential Code 2024 Chapters 12-23(Mechanical) and Chapter 24 (Fuel Gas): BCC Mechanical Standing Committee Recommendation: B-4
		NC Residential Code Chapter 11 BCC Energy Standing Committee Recommendation: B-5
		NC Residential Code Chapter 11 (Energy) Chapters 12-23 (Mechanical) and Chapter 24 (Fuel Gas) Residential Committee Standing Committee Recommendation: B-6

Presently, a user has to use the generic search function (the magnifying glass) and search for “BCC agendas, 2022” or “BCC minutes, 2022” and “BCC agendas, 2023” and “BCC minutes 2023” to get to the web pages with the information in the agendas and minutes. Once there, the information available on the agendas will look like the following:

**FIGURE 4: IMAGE OF BCC MARCH QUARTERLY MEETING DETAILS**

The screenshot shows a meeting details page for the Building Code Council Meeting on March 14, 2023. The page includes a date indicator '14 Mar', the meeting title, date and time, location, and a list of related content links.

**14 Mar**

## Building Code Council Meeting - March 14, 2023

**Tue, Mar 14 2023, 9am - 5pm**

**Albemarle Building**  
325 N. Salisbury Street, Raleigh, NC 27603

NC Building Code Council Meeting - Public Hearing to begin no earlier than 9:00AM - Committee Meetings and Council Meeting to follow - Albemarle Building, 325 North Salisbury Street, Raleigh, NC 27603, 2nd Floor Training Room 245

**CONTACT INFO**

**RELATED CONTENT**

- [BCC March 13 Minutes PENDING](#)
- [BCC March 13 Agenda](#)
- [A-3 Catawba Co Fire Ordinance](#)
- [A-4 Orange Co Fire Ordinance](#)
- [A-5 Reidsville Plan Review Request](#)
- [B-1 2024 NCPC](#)
- [B-2 2024 NCMC](#)
- [B-3 2024 NCFGC](#)
- [B-4 2024 NCRC Chapters 1-10 and 25-33 and 45-46 and Appendices](#)
- [B-5 2024 NCRC Chapters 12-24](#)
- [B-6 2024 NCRC Chapter 11](#)
- [B-7 2024 NCRC 2018 NCRC Chapters 11-24](#)
- [B-8 2024 NCBC Farm Building Exemption](#)
- [B-9 2024 NCFEC Farm Building Exemption](#)
- [B-10 2024 NCEBC Farm Building Exemption](#)
- [B-11 2024 NCECC Farm Building Exemption](#)
- [B-12 2024 NCEBC 804.2.2 Alt Lvl 2](#)
- [B-13 2024 NCAC&P Interior Designers](#)
- [B-14 2024 NCAC&P 106.3.1 and 106.3.2](#)
- [B-15 2024 NCFEC 5706.4.5 Class I Motor Fuel](#)
- [B-16 2018 NCBC 3605.3.1 Wood Connections](#)

End of Newsletter