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## Introduction

Welcome to the July 2024 OSFM Engineering Newsletter. This is an abbreviated Newsletter meant to update our readers on the status of the 2024 North Carolina Building Code adoption and implementation status.

Please see TABLE 1: NC 2024 CODE PROGRESSION TRACKING in the Reminders and other Resources section of the Newsletter for more information on the progression of the various code volumes.

## Current Topics

### 2024 NC Building Code

As discussed in the Introduction, several Building Code Council meetings have occurred since the prior newsletter, one a normally scheduled quarterly meeting on June 11<sup>th</sup>, and another on June 17<sup>th</sup> for the referenced standards chapter of the North Carolina Residential Code.

The recordings are posted on the NCDOT website.

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

## Recurring Articles

### Building Code Council – June Quarterly Meeting (June 11th)

A regularly scheduled quarterly BCC meeting was held on June 11th, 2024, and a June 17<sup>th</sup> Special meeting was also held to get the Referenced Standards chapter adopted for the 2024 North Carolina Residential Code. The full agendas can be read at the links listed below. The links 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 11th, 2024

<https://www.ncosfm.gov/news/events/building-code-council-public-hearing-june-11-2024>

The full review of the approved code amendments is left to the reader, but **the titles of each D-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, 2025 for items pertaining to the Commercial Building Code.

BCC Proposed Amendments-June 11<sup>th</sup> 2024

- **Item D – 1** Request from the BCC Building Code Standing Committee to adopt the 2024 edition of the North Carolina Building Code as presented by the committee. (231219 Item B-3): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBC in March 2024.**
- **Item D – 2** Request from David Rittlinger representing staff to amend the 2024 NC Building Code, Section 101.2 Scope by adding Exceptions #7 and #8 as follows (231219 Item B-4): (Remainder not shown for brevity) - **Removed from the agenda because of prior action by the NCBC in March 2024.**

- **Item D – 3** Request from Kate Whalen representing staff to amend the 2024 NC Building Code, Sections 202, 307, and 414 as follows (231212 Item B-3): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 4** Request from Cliff Isaac representing the NC Home Builders Association to amend the 2024 NC Building Code, Section 1109.2 by adding #8 as follows (231212 Item B-6): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 5** Request from the BCC Fire Prevention Code Standing Committee to adopt the 2024 edition of the North Carolina Fire Prevention Code as presented by the committee. (231219 Item B-5): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 6** Request from David Rittlinger representing staff to amend the 2024 NC Fire Code, Section 102.13 Exception to applicability as follows by adding #7 (231219 Item B-6): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 7** Request from Marielena Salazar & Kyle Baker representing Shell Retail & Convenience Operations (dba Shell TapUp) to amend the 2024 NC Fire Code, Section 5706.5.4.5 as follows (231219 Item B-7): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 8** Request from Jason Shepherd to amend the 2024 NC Building Code, Section 907.2.3.1 and the 2024 NC Fire Code, Section 907.2.3.1 as follows (231219 Item B-8): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 9** Request from the Fire Code Revision Committee to amend the 2024 NC Building Code and 2024 NC Fire Code, Sections 1010.2.14, 1010.2.14.4 and 1010.2.1 as follows (231219 Item B-9): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 10** Request from Jason Shepherd representing the Durham County Fire Marshal to amend the 2024 NC Fire Code, Section 105.5.32 as follows (231219 Item B-10): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 11** Request from Jason Shepherd representing the Durham County Fire Marshal to amend the 2024 NC Fire Code, Sections 319.11.1 and 319.11.13 as follows (231219 Item B-11): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 12** Request from Kate Whalen representing staff to amend the 2024 NC Fire Code, Sections 202, 203, 608, 911, 3307, 5003 and Reference Standards as follows (231212 Item B-4): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D - 13** Request from Colin Triming representing the NC Fire Code Revision Committee to amend the 2024 NC Fire Code, Chapter 80, NFPA 241 edition as follows (231212 Item B-11): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 14** Request from the NC Building Code Council Energy Standing Committee to adopt the 2024 edition of the North Carolina Energy Conservation Code as presented by the committee. (231219 Item B-21): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in December 2023.**
- **Item D – 15** Request from AIA North Carolina to amend the 2024 NC Energy Conservation Code, Section C502.2 as follows (231212 Item B-7): (Remainder not shown for brevity) – **Denied by the NCBCC: The fiscal note and cost benefit analysis as required by NCGS 143-138(a1)(1) and (2) was not provided by the petitioner.**
- **Item D – 16** Request from AIA North Carolina to amend the 2024 NC Energy Conservation Code, Section 505.1 as follows (231212 Item B-8): (Remainder not shown for brevity) – **Denied by the NCBCC: The fiscal note and cost benefit analysis as required by NCGS 143-138(a1)(1) and (2) was not provided by the petitioner.**
- **Item D – 17** Request from the BCC Existing Building Code Standing Committee to adopt the 2024 edition of the North Carolina Existing Building Code as presented by the committee. (231219 Item B-12): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 18** Request from David Rittlinger representing staff to amend the 2024 NC Existing Building Code, Section 101.2 Scope as follows by adding Exception #2 (231219 Item B-13): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**

- **Item D – 19** Request from David Rittlinger of staff to amend the 2024 NC Existing Building Code, Section 803.2.1.2 as follows (231219 Item B-14): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**
- **Item D – 20** Request from the NC Building Code Council Mechanical Standing Committee to adopt the 2024 edition of the North Carolina Fuel Gas Code as presented by the committee. (231219 Item B-19): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in December 2023.**
- **Item D – 21** Request from the NC Building Code Council Mechanical Standing Committee to adopt the 2024 edition of the North Carolina Mechanical Code as presented by the committee. (231219 Item B-18): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in December 2023.**
- **Item D – 22** Request from Kerry Sutton, P.E. representing the American Concrete Institute, Edward Deaver representing the ACI Carolinas Chapter, Caroline Sutton representing Carolinas Ready Mixed Concrete Association, Shamim Rashid-Sumar, P.E., F.S.F.P.E. representing National Ready Mixed Concrete Association, Griff Shapack, P.E. representing Simpson Strong-Tie, Jay Pease, P.E. representing Owens Corning/Infrastructure Solutions, Jerzy Zemajtis, P.E. representing NEX: An ACI Center of Excellence for Nonmetallic Building Materials, and Jay Thomas representing Structural Technologies to amend the 2024 NC Building Code, Section 1901 as follows (230912 Item B-3): (Remainder not shown for brevity) – **Removed from the agenda because of prior action by the NCBCC in March 2024.**

The June 17<sup>th</sup> Building Code Council meeting for Chapter 44 – Referenced Standards for the 2024 North Carolina Residential Code results are shown as follows:

<https://www.ncosfm.gov/news/events/bcc-special-meeting-june-17-2024>

The full review of the approved code amendments is left to the reader, but **the titles of each D-item** are bulleted below. Remember these are not final until they are through the Rules Review process.

#### BCC Proposed Amendments-June 17<sup>th</sup> 2024

- **Item D – 1** Request from the NCBCC Residential Standing Committee to amend the 2024 edition of the North Carolina Residential Code, Chapter 44 Reference Standards as follows (240318 Item B-5): (Remainder not shown for brevity) – **Adopted by the NCBCC. Scheduled to appear on the Rules Review Commission agenda on 7/31/24.**

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## Department Notes

### Engineering Department

Curtis McLaughlin, Chief Residential Code Consultant, will be out of the office until approximately July 31. In his absence, we are directing calls to Jim Rogers (nonstructural) 919-647-0056, and Pak Yip – 919-647-0007 (structural) or Dan Dittman 919-647-0012.

#### *As of July 2024, 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)
- C. Maggie Bowers: **Plumbing** Code  
919-647-0062 [maggie.bowers@ncdoi.gov](mailto:maggie.bowers@ncdoi.gov)  
(please note the 919-647-0062 number was reassigned from Danny Thomas, Electrical Division, to Maggie)
- 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**

- Joe Starling: State **Electrical** Engineer  
919-397-6159 [joseph.starling@ncdoi.gov](mailto:joseph.starling@ncdoi.gov)
- Danny Thomas: Chief Electrical Code Consultant & State Electrical Inspector  
919-500-9492 [daniel.thomas@ncdoi.gov](mailto:daniel.thomas@ncdoi.gov)
- Ben Wesley: Assistant Chief Electrical Code Consultant & State Electrical Inspector  
919-807-6115 [ben.wesley@ncdoi.gov](mailto:ben.wesley@ncdoi.gov)

In addition, the following topics will be addressed by:

- **Division Chief-Codes & Inspections: David Rittlinger** - 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)
- **Jeff Griffin:** Investigator, Complaints  
919-647-0102 [jeff.griffin@ncdoi.gov](mailto:jeff.griffin@ncdoi.gov)
- **Bonnie Bentley:** Investigator, Complaints  
919-647-0105 [bonnie.bentley@ncdoi.gov](mailto:bonnie.bentley@ncdoi.gov)  
No additional since previous newsletter

## **Reminders and other Resources**

### **Tentative 2024 NC Code Development Calendar:**

The code volumes publication is in various stages, and several are fully accepted and at the publisher getting ready for first editions. See the following link for any future meetings:

<https://www.ncosfm.gov/upcoming-events-osfm/building-code-council-BCC>

As of this writing, (July 2024) all code volumes have been approved by the Rules Review Commission (RRC). The 2024 NC Energy Conservation Code (NCECC) is on hold pending a legislative review in the long session in 2025 unless executive or

legislative action is taken in advance. The 2018 NCECC with NC amendments will remain in effect until further notice. The 2024 NC Building Codes will be published and available this fall with an effective date of 1/1/25. However, adoption and approval delays resulting from the Rules Review Commission of the NC Office of Administrative Hearings process under NCGS Chapter 150B and the incorporation of new laws within the codes as directed by the NC General Assembly during the code development process have delayed publication of the codes by 6 months. The NCBC is going to discuss a grace period in the next couple of weeks and announce more information at the 9/10/24 NCBC meeting and public hearing. A six-month grace period is being discussed and is anticipated.

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

Here is a status as of 7/15/24 of the 2024 NC Building Codes publication schedule and the RRC approval process.

Code Volume	Status
Administrative Code	2024 NC Administrative Code and Policies: Approved at the 1/31/24 RRC meeting. ICC is currently publishing the first draft.
NC Electrical Code	2023 NC Electrical Code: Approved at the 2/28/24 RRC meeting.
Plumbing Code	2024 NC Plumbing Code: Approved at the 2/22/24 RRC meeting. ICC is working on the draft.
Residential Code	2024 NC Residential Code: Approved at the 2/22/24 RRC meeting. ICC is working on the draft.
Mechanical Code	2024 NC Mechanical Code: Approved at the 4/30/24 RRC meeting. Entering publication phase.
Fuel Gas Code	2024 NC Fuel Gas Code: Approved at the 4/30/24 RRC meeting. Entering publication phase.
Existing Building Code	2024 NC Existing Building Code: Approved at the 6/26/24 RRC meeting. Entering publication phase.
Building Code	2024 NC Building Code: Approved at the 6/26/24 RRC meeting. Entering publication phase.
Fire Prevention Code	2024 NC Fire Code: Approved at the 6/26/24 RRC meeting. Entering publication phase.
Energy Code (not for 1-and-2 family dwellings)	2024 NC Energy Conservation Code: Approved at the 4/30/24 RRC meeting with the exception of Section R402 Building Thermal Envelope. More than 10 letters of objection were received by the RRC so this code is under legislative review in the 2025 long session. The effective date of this is unknown at this time.

Remember, the Residential standing committee had introduced (in the March 2023 meeting) 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. As noted in the previous newsletter, NCGS Session Law 2023-108 prohibits further action on several of the code volumes and combinations of code volumes that were being considered by the Building Code Council. The list of codes in Table 1 reflect the limitations of the statutes.

## Preview of Code Volumes

The reader can preview the changes made to the 2021 Model code language (ICC) to make the 2024 North Carolina Code by clicking on the following links. This may serve as a guide to our readers with long-planning horizon projects they are undertaking.

2024 NC Administrative Code and Policies: <https://www.oah.nc.gov/012024-bcc-admin-code-final-revised-rule/open>

2024 NC Building Code: <https://www.oah.nc.gov/2024-bcc-final-revised-rules/open>

2023 NC Electrical Code: <https://www.oah.nc.gov/bcc-electrical-code-final-revised-rules/open>

2024 NC Energy Conservation Code: <https://www.oah.nc.gov/bcc-energy-final-revised-rules/open>

2024 NC Existing Building Code: <https://www.oah.nc.gov/bcc-existing-code-final-revised-rules/open>

2024 NC Fire Code: <https://www.oah.nc.gov/bcc-fire-code-final-revised-rule/open>

2024 NC Fuel Gas Code: <https://www.oah.nc.gov/bcc-fuel-gas-final-revised-rules/open>

2024 NC Mechanical Code: <https://www.oah.nc.gov/formatted-review-aid-2024-nc-mechanical-conservation-code/open>

2024 NC Plumbing Code: <https://www.oah.nc.gov/2024bcc-plumbing-code-final-revised-rules/open>

2024 NC Residential Code: <https://www.oah.nc.gov/residential-code-final-revised-rules-combined/open>

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End of Newsletter