



MIKE CAUSEY, Commissioner of Insurance

1429 Rock Quarry Rd, Raleigh, NC 27610 (Street Address)

1202 Mail Service Center, Raleigh, NC 27699-1202 (Mailing Address)

(919) 647-0000

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

[SUBSCRIBE](#)

September 2023

Table of Contents

Introduction	2
Current Topics.....	2
2024 NC Building Code	2
OSFM office move	3
Recurring Articles.....	4
Building Code Council – September Quarterly Meeting	4
Building Code Council – June Quarterly Meeting.....	4
Code Officials Qualification Board Updates	5
Department Notes	6
Engineering Department	6
New Code Interpretations, Guidance Papers, and Appeals Posted	7
Cumulative Supplements.....	9
Education Section.....	9
NC Building Code Training.....	9
Reminders and other Resources	10

Open Mic 10

Tentative 2024 NC Code Development Calendar:..... 10

Introduction

Welcome to the September 2023 OSFM Engineering Newsletter. Since our May 2023 newsletter, there was a regularly scheduled Building Code Council meeting held June 13th, and also one on September 12th. 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 (2022) and March (2023), and June (2023) also included six B-items that were related to the proposed 2024 NC Code. The submittals, fiscal notes, (where required) are available for viewing for the June 13th and September 12th 2023 meeting at the following links:

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

<https://www.ncosfm.gov/news/events/building-code-council-meeting-september-12-2023>

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

Several volumes of the proposed 2024 NC Building Code were introduced as B-items at the June 13th Building Code Council Meeting.

September 2023 B-Items

There were no new submissions of entire code volumes for the September quarterly meeting.

The proposed 2024 NC Energy Code will be re-submitted in December 2023, after being Tabled in June, and after a special public hearing date of October 17th, 2023 for the energy code Fiscal note. See the links below for all relevant information:

<https://www.ncosfm.gov/news/events/building-code-council-meeting-october-17-2023>

<https://www.ncosfm.gov/231017-notice1hearing>

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

<https://www.ncosfm.gov/b-6-2024-ncecc-1>

<https://www.ncosfm.gov/b-6-2024-ncecc-fiscal-note>

<https://www.ncosfm.gov/b-6-2024-ncecc-cost-analysis>

June 2023 B-items

Mechanical Code

Fuel Gas Code

NC Electrical Code (2023)

NC Residential Code Chapter 11 (Energy) as proposed by the Energy standing committee

Update: Split into B-4A (Mechanical) and B-4B (Fuel Gas) at the 6/13/23 NCBCC Meeting. Prohibited from NCBCC permanent rule adoption by NCGS Session Law 2023-108 on 8/16/2023.

NC Residential Code Chapters 12-23 (Mechanical) as proposed by the Mechanical standing committee

Update: Prohibited from NCBCC permanent rule adoption by NCGS Session Law 2023-108 on 8/16/2023.

NC Residential Code Chapter 24 (Fuel Gas) as proposed by the Mechanical standing committee

Update: Split into B-6A (Energy) and B-6B (Mechanical) and 6C (Fuel Gas) at the 6/13/23 NCBCC Meeting. Prohibited from NCBCC permanent rule adoption by NCGS Session Law 2023-108 on 8/16/2023.

NC Residential Code Chapter 11 (Energy) from 2018 NC Code, and Chapter 12-23 (Mechanical)

Update: Prohibited from NCBCC permanent rule adoption by NCGS Session Law 2023-108 on 8/16/2023.

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. At the June meeting, the Residential committee, after much discussion with the Mechanical and Fuel Gas ad hoc committees agreed to have the Chapter 11(Energy), Chapter 12-23 (Mechanical) and Chapter 24 (Fuel Gas) submitted as three separate items, so they can each be decided on individually. The Residential ad hoc committee had submitted their versions of these three items, and the Energy, Mechanical, and Fuel Gas ad hoc committees (via the Mechanical Standing Committee) have submitted their recommended versions, respectively. As noted above, NCGS Session Law 2023-108 prohibits further action on a several of the code volumes and combinations of code volumes that were being considered by the Building Code Council.

Here are the past submissions for reference:

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

OSFM office move

The Office of State Fire Marshal, which includes the Engineering division has fully relocated to a facility located at 1429 Rock Quarry Road, Raleigh, NC. Staff are up and working in person, and we look forward to working with the public from this new location.

Recurring Articles

Building Code Council – September Quarterly Meeting

A regularly scheduled quarterly BCC meeting was held on September 12th, 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-September 2023

<https://www.ncosfm.gov/news/events/building-code-council-meeting-september-12-2023>

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-September 2023

- **Item D – 1** Request from the NC Building Code Council Mechanical Standing Committee to adopt the 2024 edition of the North Carolina Plumbing Code as presented by the committee as follows (230314 Item B-1): (Remainder not shown for brevity) – **approved**
- **Item D – 2** Request from the NC Building Code Council Residential Standing Committee to adopt the 2024 edition of the North Carolina Residential Code, Chapters 1-10, 25-33, 45, 46, and Appendices as presented by the committee as follows (230314 Item B-4): (Remainder not shown for brevity) – **approved**
- **Item D – 3** Request from Carl Martin representing NCDOT to amend the 2024 NC Building Code, Section 101.2 as follows (230314 Item B-8): (Remainder not shown for brevity) – **approved**
- **Item D – 4** Request from Carl Martin representing NCDOT to amend the 2024 NC Fire Code, Section 102.13 as follows (230314 Item B-9 as modified by the NCBC on 3/14/2023. See Meeting Minutes): (Remainder not shown for brevity) – **approved**
- **Item D – 5** Request from Carl Martin representing NCDOT to amend the 2024 NC Existing Building Code, Section 101.2 as follows (230314 Item B-10): (Remainder not shown for brevity) – **approved**
- **Item D – 6** Request from Carl Martin representing NCDOT to amend the 2024 NC Energy Conservation Code, Section C101.2 and R101.2 as follows (230314 Item B-11): (Remainder not shown for brevity) – **approved**
- **Item D – 7** Request from Carl Martin to amend the 2024 NC Existing Building Code, Section 803.2.1.2 as follows (230314 Item B-12): (Remainder not shown for brevity) – **approved**
- **Item D – 8** Request from Carl Martin representing NC Board of Architecture and Registered Interior Designers to amend the 2024 NC Administrative Code, Section Appendix B as follows (230314 Item B-13): (Remainder not shown for brevity) – **approved**
- **Item D – 9** Request from Carl Martin representing NC Building Code Council to amend the 2024 NC Administrative Code, Sections 106.3.1 and 106.3.2 as follows (230314 Item B-14): (Remainder not shown for brevity) – **approved**
- **Item D – 10** 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 (230314 Item B-15): (Remainder not shown for brevity) – **approved**

Building Code Council – June Quarterly Meeting

A regularly scheduled quarterly BCC meeting was held on June 13th, 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 June meeting are on the website, the June minutes are also available. The unofficial results of the D-items for the June meeting are posted below.

BCC Meeting Agenda-June 2023

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

BCC Meeting Minutes-June 2023

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

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.

BCC Proposed Amendments-June 2023

- **Item D – 1** Request from the BCC NCAC&P Standing Committee to adopt the 2024 edition of the North Carolina Administrative Code and Policies as presented by the committee (221213 Item B-1). (Remainder not shown for brevity) – **approved**
- **Item D – 2** Request from the BCC NCAC&P Standing Committee to revise the 2024 edition of the North Carolina Administrative Code and Policies, Section 107 (221213 Item B-2): (Remainder not shown for brevity) – **approved (Negated by HB 488???)**
- **Item D – 3** Request from the BCC Building Code Standing Committee to adopt the 2024 edition of the North Carolina Building Code as presented by the committee (221213 Item B-3): (Remainder not shown for brevity) – **approved**
- **Item D – 4** 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 (221213 Item B-4): (Remainder not shown for brevity) – **approved**
- **Item D – 5** Request from the BCC Existing Building Code Standing Committee to adopt the 2024 edition of the North Carolina Existing Buildings Code as presented by the committee (221213 Item B-5): (Remainder not shown for brevity) – **approved**
- **Item D – 6** Request from the BCC Energy Conservation Code Standing Committee to adopt the 2024 edition of the North Carolina Energy Conservation Code as presented by the committee (221213 Item B-6): (Remainder not shown for brevity) – **Tabled until the December 12, 2023 meeting**

Code Officials Qualification Board Updates

The COQB will hold its regularly scheduled meeting October 24th, 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: <https://www.ncosfm.gov/licensing-cert/code-officials-qualification-board-coqb/coqb-meeting-dates>

Department Notes

Engineering Department

Carl Martin has officially retired at the end of June. We wish him well in his retirement, and thank him for his many years of work for the State of North Carolina.

The Chief Plumbing Code Consultant position has been open since Mark Burns transitioned to a new position with Private Plan review, and we are still in the process of interviewing candidates.

As of September 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
- Curtis McLaughlin: **Residential** Code
919-647-0071 curtis.mclaughlin@ncdoi.gov
- Jim Rodgers: **Residential** Code (non-structural)
919-647-0056, 919-270-3699 (cell) jim.rodgers@ncdoi.gov
- Pam Schooler: **Existing Building** Code
919-647-0011: pam.schooler@ncdoi.gov
- Tara Barthelmess: **Accessibility**
919-647-0014 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
- Dan Dittman: **Energy** Code
919-647-0012 dan.dittman@ncdoi.gov

State Electrical Division Contacts

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

In addition, the following topics will be addressed by:

- **Engineering Manager: Interim 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
- **Sam Whittington:** Investigator, Complaints
919-647-0028 sam.whittington@ncdoi.gov
- **Chris McLamb:** Investigator, Complaints
919-647-0105 christopher.mclamb@ncdoi.gov
- **Tommy Green:** Investigator, Complaints

919-647-0069 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 (May 2023), 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 a landing page for Code Interpretations. At the top, there are 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 buttons is a search bar with the label "Search". Underneath the search bar are two dropdown menus: "Code Type" and "Edition", both currently set to "- Any -". At the bottom left of the filter section is an orange "Apply" button.

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

311.7.5.1 Risers adjoining cross-sloped paved surface

316 Spray Foam T&G Thermal Barrier

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](#)

Interpretation	Code Type	Edition	Published
100 - Structures versus Equipment	Electrical	2014	06/28/2017
110.14 - Tightening Torque Inspection and Responsibility	Electrical	2017	08/25/2020
110.26 - Working Space and Clearances	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

2023-0831 BPE Engineering 2018 NCMC 601.2 Air movement in egress elements

Appeals

No additional since previous newsletter

Guidance Papers

GS 143-138 GS 87-97 Inspection of Well Systems (Note: This is a re-post of this guidance paper, with the content updated for recent legislative changes)

Cumulative Supplements


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

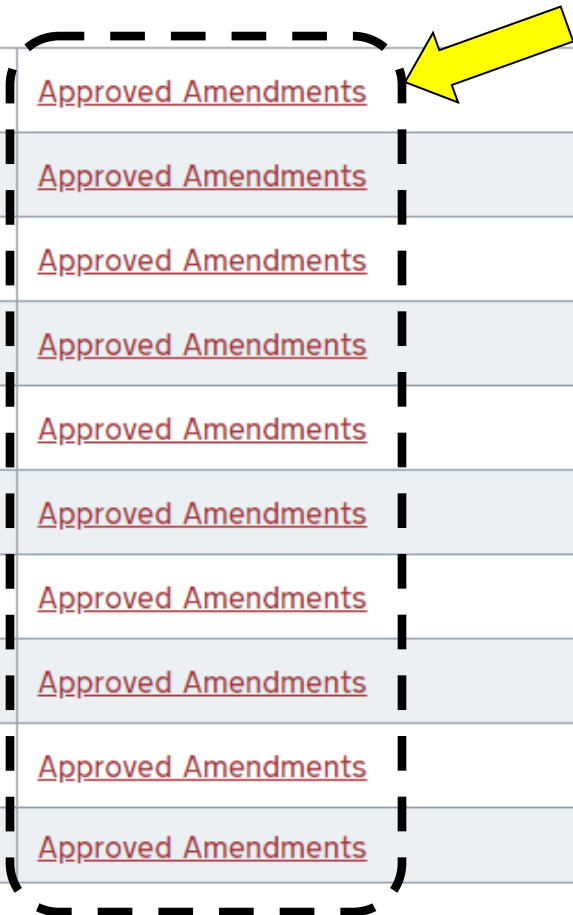
Cumulative code changes link:

<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).

FIGURE 3: TABLE OF APPROVED AMENDMENTS

2018 Administrative 	Approved Amendments
2018 Building 	Approved Amendments
2018 Residential 	Approved Amendments
2018 Energy Conservation 	Approved Amendments
2018 Existing Building 	Approved Amendments
2018 Fire 	Approved Amendments
2018 Fuel Gas 	Approved Amendments
2018 Mechanical 	Approved Amendments
2018 Plumbing 	Approved Amendments
2017 Electrical Code *	Approved Amendments



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.

As of this writing, (September 2023) all code volumes have been submitted for review. See Table 1 for the progression to date of the code volumes, and the notation that NCGS SL 2023-108 had on various submissions pertaining to the Residential Code and the Residential Chapters of the Energy Code.

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

December 2022 BCC Meeting	March 2023 BCC Meeting	June 2023 BCC Meeting	September 2023 BCC Meeting
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 - Approved	At Rules Review
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- Approved	At Rules Review
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 - Approved	At Rules Review
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 - Approved	At Rules Review
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 Tabled to December 2023	Tabled until December
	NC Plumbing Code 2024: B-1	NC Plumbing Code 2024: C-1	NC Plumbing Code 2024: D-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 Residential Code 2024 Chapters 1-10,25-33,45,46 and Appendices (230314 Item B-4): D-2
		NC Mechanical Code 2024 : B-1	NC Mechanical Code 2024 (230613 Item B-1): C-1
		NC Fuel Gas Code 2024: B-2	NC Fuel Gas Code 2024 (230613 Item B-2): C-2
		NC Electrical Code (2023): B-3	NC Electrical Code (2023) (230613 Item B-3): C-3
		NC Residential Code 2024 Chapters 12-23(Mechanical): B-4A	NC Residential Code 2024 Chapters 12-23(Mechanical): (B-4A): C-4 Prohibited by NCGS SL 2023-108 on 8/16/2023
		NC Residential Code 2024 Chapter 24 (Fuel Gas): BCC Mechanical Standing Committee Recommendation: B-4B	NC Residential Code 2024 Chapter 24 (Fuel Gas): BCC Mechanical Standing Committee Recommendation: B-4B: C-4 Prohibited by NCGS SL 2023-108 on 8/16/2023


		NC Residential Code Chapter 24 (Fuel Gas) Residential Committee Standing Committee Recommendation(2018 version): B-6C	NC Residential Code Chapter 24 (Fuel Gas) Residential Committee Standing Committee Recommendation(2018 version): B-6C: C-4 Prohibited by NCGS SL 2023-108 on 8/16/2023
		NC Residential Code Chapter 11 BCC Energy Standing Committee Recommendation: B-5	NC Residential Code Chapter 11 BCC Energy Standing Committee Recommendation: B-5: C-5 Prohibited by NCGS SL 2023-108 on 8/16/2023
		NC Residential Code Chapter 11 (Energy) Residential Standing Committee recommendation (2018 version): B-6A	NC Residential Code Chapter 11 (Energy) Residential Standing Committee recommendation (2018 version): B-6A: C-6 Prohibited by NCGS SL 2023-108 on 8/16/2023
		NC Residential Code Chapters 12-23 (Mechanical) Residential Committee Standing Committee Recommendation (2018 version): B-6B	NC Residential Code Chapters 12-23 (Mechanical) Residential Committee Standing Committee Recommendation (2018 version): B-6B: C-6 Prohibited by NCGS SL 2023-108 on 8/16/2023


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 SEPTEMBER QUARTERLY MEETING DETAILS

12 Sep

Building Code Council Meeting - September 12, 2023

 Tue, Sep 12 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 - Room 245

CONTACT INFO

RELATED CONTENT

- [BCC Meeting Agenda 9-6-2023](#)
- [A-5 Leland Request for Plan Review](#)
- [A-6 Affidavit of On-Site Wastewater Existing System](#)
- [B-1 2024 NCACP 204.4.5 and 204.4.5.1](#)
- [B-2 2024 NCBC Table 506.2 and Section 3302.4](#)
- [B-3 2024 NCBC 1901.2.1 and Ref Stds](#)
- [B-4 2024 NCMC ASHRAE and UL Reference Standards](#)
- [B-5 2024 NCMC 1101.1.1](#)
- [B-6 2024 NCRC Chapter 44 Referenced Standards](#)
- [B-7 2024 NCRC ASHRAE CSA and UL Referenced Standards](#)
- [B-8 2024 NCACP Appendix H](#)
- [B-9 2018 NCRC R327](#)

End of Newsletter
