

Agenda

Presented by Jeffrey D. Vernon, MCP, CBO

Basis of the 2018 North Carolina Building Code and New or Revised Definitions

- International Building Code edition
- Code adoption process in North Carolina
- Text markings
- Changes within Chapter 2 Definitions

Changes to Occupancy Classifications and Construction Types

- New and revised Occupancy Classifications from Chapter 3
- Required ratings and materials of construction from Chapter 6

Height, Area, Mixed Use, Unlimited Area and Podium Buildings

- Formatting and text changes within Chapter 5
- Height, area and changes increase equations
- Incidental accessory, accessory, separated and non-separated mixed uses
- Unlimited area buildings
- Podium buildings

Fire Resistance and Fire Protection

- Fire resistance ratings, markings, continuity and applications - Chapter 7
- Sprinklers, fire alarms and hoistway pressurization – Chapter 9

Means of Egress, Part 1 – Exit Access

- Number and configuration of exits
- Two-way communication
- Locking and latching mechanisms

Means of Egress, Part 2 – Exit Access, Exits and Exit Discharge

- Egress through intervening spaces
- Corridors
- Egress balconies
- Exits
- Exit discharge

Miscellaneous Additional Changes

- Accessibility – condo exception, nightclub exception, R-2/R-3 pool exception, ICC A117.1-09
- Interior environment - unvented Attics; ceiling electrical fixtures at 80 inches
- Exterior walls – now includes HPL and plastic composites
- Roofs - requirements for PV panels
- Structural design data – wind loads per ASCE 7-10
- Elevators – buildings with an occupied floor over 120 feet require two FSAEs

Crucial Changes to the 2018 North Carolina Building Code
Chapel Hill, NC - Tuesday, January 29, 2019



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Learning Objectives

You'll be able to:

Explore North Carolina Building Code adoption, update and enforcement processes.

Learn about fire resistance-rated construction and fire protection systems.

Understand requirements for height, area, mixed use, unlimited area and podium buildings.

Implement new requirements that apply to exterior walls, roof assemblies, and interior finishes.

Comply with means of egress requirements.



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Explore the changes in the 2018 North Carolina Building Code

Learn about the code changes for occupancy classifications and construction types

Discuss requirements for fire-resistant construction

Understand the North Carolina Building Code changes to means of egress

Review code changes for accessibility, photovoltaic panels, and elevators

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW Contact Hours

7.0 AIA HSW Learning Units

International Building Code

.7 CEUs (Building)

Contractors

Non-Credit Continuing Ed.



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Faculty

Jeffrey D. Vernon, MCP, CBO
Building Code Administrator with Mecklenburg County Code Enforcement

Mr. Vernon is a master code professional and a certified building official, and he holds North Carolina Level III certifications in all five trades (building, electric, mechanical, plumbing and fire). Mr. Vernon has been working in the construction industry for 38 years beginning with a six-year stint in the US Army where he served in Germany, Honduras, Alabama and at the US Army Engineer School in Ft. Belvoir, Virginia. He has worked in Prince William County in Virginia and in Lincoln, Gaston and Mecklenburg Counties in North Carolina. Through the years, he has been an inspector, a plan reviewer, a senior plan reviewer, and a department director among other job titles. Mr. Vernon is currently employed by Mecklenburg County Code Enforcement where he serves as the building code administrator. He has also been a part-time instructor at Central Piedmont Community College for the past ten years, and he serves as code consultant for University of North Carolina’s fifth year Architecture students. Mr. Vernon is also an ordained bishop.

Seminar Information

Courtyard by Marriott Chapel Hill 100 Marriott Way Chapel Hill, NC 27517 (919) 883-0700	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:15 pm	Lunch (On your own) 12:15 - 1:15 pm Afternoon Session 1:15 - 5:00 pm
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Tuition
\$279 for individual registration
\$259 for three or more simultaneous registrations.
Included with your registration: Complimentary continental breakfast and printed seminar manual. Registration does not include a copy of the Code itself.
Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Additional Learning

- Webinar Series**
- Stormwater Management Systems**
- **Stormwater Infrastructure Practices**
Weds., Dec. 19, 2018, 11:00 AM - 1:00 PM CST
 - **Infiltration Management Techniques**
Thurs., Dec. 20, 2018, 11:00 AM - 1:00 PM CST
- NFPA 70E Series**
- **NFPA 70E, Part I**
Weds., Dec. 26, 2018, 11:00 AM - 3:30 PM CST
 - **NFPA 70E, Part II**
Thurs., Dec. 27, 2018, 11:00 AM - 3:30 PM CST
- Seismic Design and Construction**
- **Seismology and Building Codes**
Thurs., Dec. 27, 2018, 11:00 AM - 3:30 PM CST
 - **Seismic Design of Building Structures**
Fri., Dec. 28, 2018, 11:00 AM - 3:30 PM CST
- Commercial Solar Peaker Batteries**
- **Commercial Solar Peaker Batteries, Part I**
Wed., Jan. 9, 2019, 11:00 AM - 3:15 PM CST
 - **Commercial Solar Peaker Batteries, Part II**
Thurs., Jan. 10, 2019, 11:00 AM - 2:15 PM CST
- Proposal Writing**
Fri., Jan. 11, 2019, 11:00 AM - 3:30 PM CDT
- Technical Writing**
- **Technical Writing Basics**
Mon., Jan. 14, 2019, 11:00 AM - 1:00 PM CST
 - **Planning Documents**
Mon., Jan. 14, 2019, 1:30 - 3:30 PM CST
 - **Writing Documents**
Tues., Jan. 15, 2019, 11:00 AM - 1:00 PM CST
 - **Revising and Editing Documents**
Tues., Jan. 15, 2019, 1:30 - 3:30 PM CST

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW contact hours to architects in North Carolina. HalfMoon Education is an approved continuing education provider for North Carolina engineers.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Activities approved by the AIA qualify for North Carolina architects. Only full attendance can be reported to the AIA/CES.

Engineers and architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar. Refer to specific state rules to determine eligibility.

The International Code Council has approved this event for .7 CEUs in the specialty area of Building.

This event offers a non-credit continuing education opportunity to construction contractors.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

An audio recording of this seminar is available for \$289. Allow four weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit

Registration

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How to Register		Registrant Information	
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		() I need special accommodations. Please contact me.	

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the self-study package for **\$289.00**.

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