

Agenda

Presented by Jeffrey D. Vernon, MCP, CBO

Basis of the 2018 NCBC & 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 & Podium Buildings

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

Fire resistance and fire protection

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

Means of Egress, Part 1 – Exit Access

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

Means of Egress, Part 2 – Exit Access, Exits & 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 elec fixtures at 80"
- 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 > 120' require 2 FSAE's

Crucial Changes to the 2018 NC Building Code

Asheville, NC - Thursday, March 12, 2020

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Learning Objectives

You'll be able to:

Comply with North Carolina Building Code (NCBC) changes for occupancy classifications, rating types and construction materials.

Comply with NCBC changes to building height, area, mixed uses, unlimited area buildings and podium buildings.

Describe NCBC changes for fire resistance and fire protection, including fire resistance ratings, sprinklers, fire alarms and hoistway pressurization.

Identify NCBC changes for means of egress, including exit access, number and configuration of exits, communication, locking and latching mechanisms and corridors.



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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 LU|HSW

North Carolina Code Officials

7.0 Credit Hours – Building

International Building Code

.7 CEUs (Building)

Contractors

Non-Credit Continuing Ed.



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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.

Here’s what past attendees had to say about the program and presenter Jeffrey Vernon:

- “Jeff is relatable, and knowledgeable. Great job!” – *Architect*
“Very good instructor.” – *Building Inspector/Plans Reviewer*
“It is excellent to have a presenter who works in code enforcement.” – *Architect*
“Very well done.” – *Engineer*

Seminar Information

Crowne Plaza Resort Asheville	Registration	Lunch (On your own)
1 Resort Drive	8:00 - 8:30 am	12:15 - 1:15 pm
Asheville, NC 28806	Morning Session	Afternoon Session
(828) 254-3211	8:30 am - 12:15 pm	1:15 - 5:00 pm

Tuition
\$299 for individual registration
\$279 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

Foundations in Cold Regions

- **Introduction to Foundations in Cold Regions**
Thurs., Feb. 20, 2020, 11:00 AM - 12:30 PM CST
- **Shallow Foundation Design in Cold Regions**
Thurs., Feb. 20, 2020, 1:00 - 2:30 PM CST
- **Deep Foundation Design in Cold Regions**
Fri., Feb. 21, 2020, 11:00 AM - 12:30 PM CST
- **Foundation Construction in Cold Regions**
Fri., Feb. 21, 2020, 1:00 - 2:00 PM CST

Soil Mechanics and Slope Stability

- **Soil Investigation and Classification**
Tues., Feb. 25, 2020, 11:00 AM - 1:00 PM CST
- **Reviewing Hydraulic and Mechanical Properties of Soils**
Tues., Feb. 25, 2020, 1:30 - 3:00 PM CST
- **Determining and Increasing Bearing Capacity**
Wed., Feb. 26, 2020, 11:00 AM - 1:00 PM CST
- **Determining and Increasing Slope Stability**
Wed., Feb. 26, 2020, 1:30 - 3:00 PM CST

Designing for Climate Resilience

- **Current and Anticipated Climate Effects on Structures and Communities**
Thurs., Feb. 27, 2020, 11:00 AM - 12:30 PM CST
- **Assessing the Impact of Sea Level Rise, Changing Temperature and Changing Weather Patterns**
Thurs., Feb. 27, 2020, 1:00 - 3:00 PM CST
- **Studying the Impact of Extreme Weather**
- **Events on Structures and Communities**
Fri., Feb. 28, 2020, 11:00 AM - 12:30 PM CST
- **Adapting Sites, Outdoor Spaces, New Construction and Existing Buildings to Withstand Extreme Weather Events**
Fri., Feb. 28, 2020, 1:00 - 3:00 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 licensed in North Carolina. HalfMoon Education is an approved continuing education provider for North Carolina engineers.

The American Institute of Architects Continuing Education System has approved this event for 7.0 LU|HSW (Sponsor No. J885). Activities approved by the AIA/CES qualify for North Carolina architects. Only full attendance can be reported to the AIA/CES. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

The North Carolina Code Officials Qualification Board has approved this course for 7.0 credits hours in Building (Provider No. S395).

The International Code Council has approved this event for .7 CEUs in the specialty area of Building (Preferred Provider No. 1232).

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!

Audio recordings of this seminar are available for purchase starting at \$279. See registration panel for more information and 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

Online:
www.halfmoonseminars.org

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715-835-5900

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Complete the entire form. Attach duplicates if necessary.

Registrant Information

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Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

()  I need special accommodations. Please contact me.

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$299.00**. Three or more registrants from the same company registering at the same time - **\$279.00** each.

() **I am not attending.** Please send me the self-study package:

☐ Downloadable MP3 Audio/PDF Manual for **\$279.00**.

☐ CD/Manual Package for **\$299.00**. ☐ USB/Manual Package **\$299.00**.
(S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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