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 OFFICE OF STATE FIRE MARSHAL

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November 2017

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Introduction

Welcome to the November, 2017 OSFM Engineering Newsletter. Of particular note in this newsletter, observe the New Initiative for code training, OSFM on Facebook, and, Current Topics.

Please note the important code interpretations that are in the New Code Interpretations, Guidance Papers, and Appeals Posted section, in particular **0300-Miscellaneous Occupancy Classifications** and **0304-Internet Sweepstakes Café Classification**.

Current Topics

A New Initiative - Code Training and Continuous Learning

The subtitle above, *A new initiative*, sets the stage to apply emerging Learning Management System (LMS) technology in a comprehensive, cost effective manner to the existing online certification application and renewal process. More information will be provided over the next few months through a variety of communication formats. The primary short-term goal is to offer a means of individualized, scalable distance education to CEOs (and others) that can supplement classroom based standard courses as well as increase low-cost CE opportunities. The strategic educational program outcome seeks to increase the level of competence and consistency among inspectors statewide thereby increasing code compliance and reducing injuries and property damage. See *OSFM Engineering Programs – A new initiative* section for the remainder of this article...

OSFM on Facebook

The reader is probably aware of the somewhat recent opening of a Facebook page for NC DOI and OSFM. This enables readers to much more quickly be made aware of events that may be pertinent to the industry. Although this is the Engineering Newsletter, in reality many of the topics this newsletter is tasked with following – interpretations, changes to code, etc. applies to items which are done on a quarterly basis, and the time period between an event happening and when it is published in reader-verifiable minutes can be three to six months. In other words, the newsletter cannot place a link to information that is not posted anywhere. However, the Facebook page will be advantageous for more fast-moving developments in the OSFM topics of interest.

<https://www.facebook.com/NCOSFMEngineering/>

We encourage our readers to check out the OSFM Facebook page and follow it as you see fit.

Inspector Marketplace – Find a Certified Inspector

There have been two links added to the NC DOI OSFM website that are intended to aid both jurisdictions looking for certified inspectors, and for part-time and/or retired inspectors to be able to communicate their availability for work. The links are as follows:

Webpage links are located

http://www.ncdoi.com/OSFM/Engineering_and_Codes.aspx

Link to sign-up

<https://www.surveymonkey.com/r/CEOs4hire>

link to Inspector Marketplace

<https://www.surveymonkey.com/results/SM-8DNHVPY5/auth/>

The list is password-protected, so the user must set up an account to post or use the data, but it is a straightforward exercise. Jurisdictions need people who are retired or part-timers (get permission from employer) to sign up if they wish to work some. Many jurisdictions are needing assistance across the state.

Partial Replacements - Misquoting or citing non-existent code

I have had a steady stream of calls in especially the past six months from homeowners who want clarification on the code and an interpretation that NCDOI issued on the topic of partial replacement of HVAC equipment. The conversation usually contains the following phrase:

“I was told NC is one of only two states in the nation that requires the replacement of all components on split system hvac systems if either the indoor or outdoor section breaks” This is causing me hardship because my home warranty will only cover a partial system...

The extra-confusing thing about this statement being told to NC residents is that we, NC DOI, have a web interpretation that specifically details the **non-requirement** for replacing both the indoor and outdoor unit if only one component goes bad. We clarify that when a partial replacement is performed, the units do not need to be AHRI matched, but do need to be compatible. Compatible is defined in the on-line interpretation. Further confusing it is that some contractors and home warranty companies even give the client the NC DOI interpretation as proof they need to always replace both units. Like me, the homeowner reads the interpretation, says “Where does it say that?” and then calls us. The best we can do is confirm they are indeed reading it correctly and they are not going crazy.

Link to Partial Replacement Interpretation

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/Interpretations4/2012%20Mechanical/0304.1%20-%20Compatible%20Properly%20Matched%20Partial%20Replacement%20of%20a%20Split%20System%20Heat%20Pump%20or%20Air%20Conditioner.pdf

The issue surrounds home warranties and contracts between them and the homeowners. NC DOI does not regulate home warranty contracts. These warranties are a contract between the homeowner and a corporation that NCDOI does not negotiate or regulate terms for. However, like most industries and contracts, a contract cannot have two parties agree to something that is essentially “illegal” or not meeting minimum state laws and regulations, even if both parties agree to the

terms. The home warranty companies, typically from what I have seen, are only obligated to cover the repairs of what would be considered minimum code. These are contracts that vary from company-to-company and perhaps client to client. The homeowners are telling myself that the contractors are telling them that the NC Code is requiring them to replace both sections, but the warranty company only covers a portion, so the homeowner is responsible for the remainder. Alternately, a home warranty company stated they **would have** covered the entire system if it was required by the manufacturer, but since NC code required it due to code and code alone, they **would not** cover the cost of the entire repair, but only the component that went bad. The misquoting of the mechanical code and NCDOT Interpretation becomes a convenient scapegoat in these situations.

The interpretation on partial replacements very clearly puts the responsibility for determining compatibility in the hands of the professionals – the hvac licensed contractor, the equipment makers, and/or design professional. With the phasing out of R-22 units, there are very strong cautions and warnings by manufacturers and very strong opinions as to whether you can or cannot use the interior air handler originally used for R-22 with R-410a. However, the code is not going to dictate that; it is going to be the responsibility of the installing contractor, manufacturer, and/or design professional to determine if the new combination is compatible and will function.

The NC DOI interpretation is not recommending only a partial replacement, indeed, there are times it may be in the customer's long-term best interest to replace both the indoor and outdoor units, but minimum code does not require a full replacement. Minimum code does not require the equipment be warrantied, and if the manufacturer's equipment voids warranties being attached to an existing system, the code does not protect against that.

So, in summary, the NC Code does not negotiate terms in a client's contract with a home warranty company, but falsely citing the code by any party as a reason for non-coverage is fraudulent.

Reminder: Limited time only, Free 2012 NC Code Downloads Available

As noted in the August 2017 Engineering Newsletter, the Building Code Council and the NC Department of Insurance have negotiated for and achieved funding from the NC General Assembly for the offering of a free (free to the user) downloads of the 2012, 2014 and 2015 NC Building Codes. These codes are the fully downloadable and printable for a limited time courtesy of the Department of Insurance. The link to the codes is:

<https://codes.iccsafe.org/public/collections/nc>

The version has the following benefits:

- Fully Downloadable, searchable, printable
- Contains all of the Building Code Council approved amendments from 2012 – 2017 inserted directly into document
- Capable of using electronic sticky notes and highlights when downloaded.

Please take advantage of this limited time offer.

Update on 2018 NC Building Code

So far, everything appears on-track to meet the statute-required timeframes for the 2018 NC Building code. The 2018 NC Building Code as presented on the NC DOI website, has been adopted by the Building Code Council at the June 2017 quarterly meeting as previously reported, and at the September 2017 meeting, it was reported that several of the code volumes have also passed rules review. The list is following this paragraph. The link to view the information directly is:

<http://www.ncoah.com/rules/rrc/meetings/index.html>. The remainder of the codes are on the September Rules Review

Agenda, and it is reported that they have passed, but until the November 16th meeting, it will not be printed on the web. Simply review the “Approved Permanent Rules” link after the November 16th, 2017 meeting for verification in print that the remainder of the codes were adopted.

LIST OF APPROVED PERMANENT RULES

September 21, 2017 Meeting (excerpt for Building Code Council Section of Approved Permanent Rules)

BUILDING CODE COUNCIL

- 2018 Energy Conservation Code 2018 Energy Conservation Code
- 2018 Existing Building Code 2018 Existing Building Code
- 2018 Mechanical Code 2018 Mechanical Code
- 2018 Residential Code 2018 Residential Code

The 2018 NC Code (Except Electrical)

The 2018 NC Code will become adopted no later than July 1, 2018, and then we enter into a (minimum) six month overlap timeframe where either the 2012 NC code or the 2018 NC Code is acceptable. Then, on January 1, 2019 the 2018 NC code is effective, and the 2018 NC Code is the requirement. This time frame of overlap may be extended, but that cannot be predicted at this time. All indications are everything is on track to meet the July 1, 2018 time frame. There should be ample time to have published code books by the July 1 2018 timeframe, and certainly by the Jan 1, 2019 timeframe.

Remember, the newly adopted 2018 NC Building Code, once it clears Rules Review, is like any other code amendment and can be used as an alternate method prior to the effective date if requested by the user. Reference NC Administrative Code Section 102.5.

The following represents a time line that may aid in planning when to budget for new code training and materials.

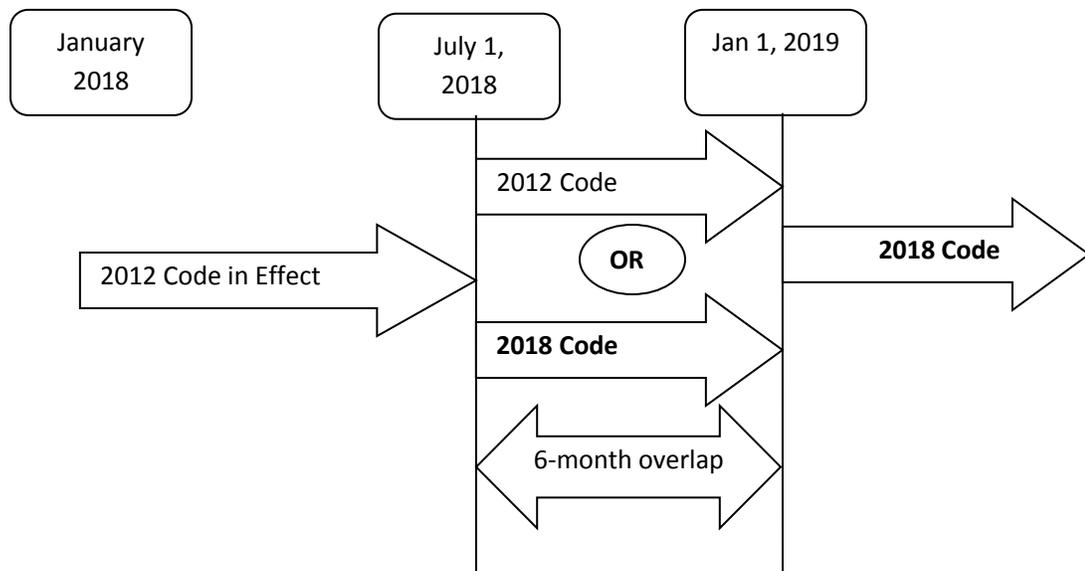


FIGURE 1: TENTATIVE ADOPTION AND EFFECTIVE DATES*

- *Dates of overlap and earliest adoption date (July 1, 2018) are subject to variation due to the direction of the Building Code Council.

Update on 2018 NC Electrical Code

The 2018 NC Electrical code (2017 NEC with NC amendments) was presented as a “C-Item” at the September 2017 Building Code Council Meeting, and public comment was heard. It is scheduled to be on the agenda as a “D-Item” at the December meeting. Assuming it is adopted, it is on track to become effective April 1, 2018. The NC-specific Amendments to the 2017 NEC can be viewed at the following link:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Codes_-_Current_and_Past&user=State_Building_Codes

Everything appears on-track for the April 1, 2018 effective date of the 2018 NC Electrical Code.

Feature Articles

Building Code Council Approved Rule Changes

At the September 2017 Building Code Council meeting, there were 7 D-Items and 6 of these were adopted. Please refer to the following link to review the list of D-Items from the September 2017 Building Code Council Meeting:

BCC Meeting Agenda-September 2017 (Minutes will be published in August online)

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/BCC_Agendas/2017%2009~September%2012,%202017_.pdf

Assuming the BCC-approved D-Items are approved by the Rule Review Commission, the adopted rules will be placed on the NCDOT Engineering website. The compilation of previously approved rules is located in the document “**2016-2018 Approved Cumulative Amendments (Effective 2016-2018)**” document. Previously approved amendments that had an effective date of January 1, 2017 or earlier can be found in the document “**Accumulative Supplement to the 2012 NC Building Code**”. This document contains all amendments from 2012, 2013, 2014, and 2016, and 2017 and are posted in this single document.

Accumulative Supplement to the 2012 NC Building Code links:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/2012_NCBuildingCode_amendments/2012-2017ApprovedCumulativeTest1Format.pdf

2016-2018 Approved Cumulative Amendments (Effective 1/1/2018)

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/2012_NCBuildingCode_amendments/2016-2018ApprovedCumulative.pdf

The full review of the December-approved code amendments is left to the reader, but the titles of each item are bulleted below. Please note the minutes may not be available on the DOI website until the next quarterly meeting in December.

BCC Approved Amendments-September 2017

- **Item D - 1 Request Pat Griffith Rose, representing NC Ellis Cannady Chapter of the IAEE. To amend the 2014 NC Electrical Code, Section 300.3 (B)(5) (Approved) (minutes will be published by December 2017 meeting)**

- **Item D – 2 Request from Pat Griffith Rose, representing NC Ellis Cannady Chapter of the IAEEI, to amend the 2014 NC Electrical Code, Section 250.140. Exceptions 1 & 2. (Approved)**
- **Item D - 3 Request from Pat Griffith Rose, representing NC Ellis Cannady Chapter of the IAEEI, to amend the 2014 NC Electrical Code, Section 250.142 (B) (Approved)**
- **Item D – 4 Request from Robert D. Richardson, representing Professional Trade Manufacturing, LLC, to amend the 2012 (2018?) NC Plumbing Code, Section 305.6 (Denied)**
- **Item D – 5 Request from Terry Cromer, representing NC Association of Electrical Contractors, to amend the 2014 NC Electrical Code, Article 250.53(A)(2) Supplemental Electrode Required (Approved)**
- **Item D – 6 Request from Terry Cromer, representing NC Association of Electrical Contractors, to amend the 2014 NC Electrical Code, Article 300.9 Raceways in Wet Locations Above Grade (Approved)**
- **Item D – 7 Request from Daniel Priest, representing Priest Architecture, PLLC, to amend Section 901.1 from the 2018 NC Fire Prevention Code (Approved)**

Qualification Board Update

Minutes

The minutes of the Qualifications Board Meeting Minutes are available at the following links:

Meeting Minutes and Agendas

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=COQB_-_Meeting_Dates&user=Code_Officials_Qualification_Board&sub=COQB_Meeting

Individuals wishing to provide feedback are encouraged to contact Kathy Williams at Kathy.Williams@ncdoi.gov

Department Notes

Engineering Department

Personnel Notes

Chris Faucette, NC DOI Electrical Field Inspector, has been selected to serve on the National Electric Code panel (NEC). This is an acknowledgement of his expertise and knowledge from his industry peers, and is a testament to Mr. Faucette's depth of knowledge in the electrical field. Please see link to article originally published in the Mebane Enterprise, and was written by Bailey Pennington of the Mebane Enterprise. (Pennington, Bailey, 2017)

http://www.mebaneenterprise.com/news/article_117d9690-8815-11e7-a920-272273fd30c8.html

Andy Miller, who most recently held a position as a Qualifications Board investigator, has resigned from DOI to take a role with the NC DOT's Rail Division. We wish Andy well in his new position.

New Code Interpretations, Guidance Papers, and Appeals Posted

Since the prior Newsletter, there has been the following web interpretations and guidance papers posted to aid the building owners, inspection, design professional, and construction personnel:

Code, Guidance, Appeals link:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Code_Interpretations&user=State_Building_Codes

Guidance Papers

G S 153A-352 - Acceptance of Licensed Architect or Engineer Building Inspections.doc
GS 143-138 - Wedding Venues and Farm Buildings.pdf
GS 143-138 GS 87-97 - Inspection of Well Systems.pdf
GS 153A-352 GS 160A-412 - Acceptance of Licensed Architect or Engineer Inspections.pdf
GS 153A-352 GS 160A-412 - Inspection Department Informal Internal Review Process.pdf

These papers are to assist local jurisdictions on how NCDOT views a given law. These are not legal advice, but opinions. They are located under the table heading "SPECIFIC ACTIONS" in the Interpretations matrix.

Building Code (Commercial)

0303 - Internet Sweepstakes Cafe Occupancy Classification.doc
0300 - Miscellaneous Occupancy Classifications.doc
425.3.1 Small Licensed Residential Care Facilities Sprinkler System Monitoring.doc
425.3.7 - Small Licensed Residential Care Facilities Fire Alarm Panel.doc

Electrical

300.4 - Protection Against Physical Damage.doc
310.15(B)(7) - Main Power Feeder and Feeder Sizing in One- and Two-Family Dwellings.doc Fuel Gas

Mechanical

502.1 Outdoor Grills.doc

Formal interpretations and Appeals are available in the interpretations link shown above. They are located under the table heading "SPECIFIC ACTIONS". There are no new Formal interpretations or Appeals to report at this point.

Cumulative Supplements

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

Cumulative code changes link:

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/2012_NCBuildingCode_amendments/2012-2017ApprovedCumulativeTest1Format.pdf

2016-2018 Approved Cumulative Amendments (Effective 1/1/2018)

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/2012_NCBuildingCode_amendments/2016-2018ApprovedCumulative.pdf

As mentioned in the Current Topics section of this Newsletter, the limited-time free offerings have all the approved amendments (that were available prior to the July 1, 2017 start date) printed into the code. It may be very helpful to download this document for the purpose of having all the amendments in the code, and for this reason alone. You may have to scroll down on the screen that is accessed at the above link to see another link to the "**Accumulative Supplement to the 2012 NC Building Code.**" This document now contains all code amendments that are adopted since 2012. Use the Table of Contents to scan for changes by Code.

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.

Qualifications Assurance Section – COQB, HILB & PYRO

OSFM Engineering Programs – *A new initiative*

The Problem:

2018 will mark nearly a decade elapsed since the nationwide economic recession. A consequence of that economic disruption was a crash in the residential and commercial construction markets. In response to reduced permit (and property tax) revenues and shrinking budgets, many local government jurisdictions cut inspection department staff. Now those jurisdictions are trying to rehire qualified inspectors to keep up with a resurgence in development. Curiously, the current inspector shortage looks like the one that was created during the housing boom leading up to the crash – with one exception. Studies show that upwards of 20 to 30% of the inspector “stock” plans to retire in the next five to ten years. This presents a dilemma also shared by the construction and manufacturing industries. Not only are there fewer qualified workers to fill needed jobs, employers may also have to recruit, educate and train *minimally qualified or unqualified individuals*. From a “production” perspective it is a clear concern about the available quantity and quality of the workforce.

The Solution(s):

In 2012 OSFM staff (partly in response to the increasing number of inspector applications up to 2008), working with computer programmers in the NCDOI Applications Development Team (ADT), transitioned Code Enforcement Official certification, payment and annual renewals from a 40-year-old paper application form driven process to an Internet, web based one. In hindsight, this was a critical decision since it allowed more efficient, less costly and faster processing by staff, and automation of communication by email – especially considering staff reductions in force that were also implemented in State government for budgetary reasons. While current turnaround (i.e. processing) times for Probationary and Standard Certificates and Pre-Qualification letters may never seem fast enough for applicants, they are reasonable given the constraints. The NC Code Officials Qualification Board (COQB) proposed rule changes to increase the duration of probationary certificates and to allow issuance of standard certifications once qualifications are met (rather than waiting for Board approval at regularly scheduled quarterly meetings) are aimed to increase the speed of the certification process to fulfill the goal of increasing the number of certified inspectors. These changes have addressed some aspects of the quantity of inspectors.

Addressing the quality of inspectors presents other challenges and opportunities.

[N.C. Gen. Stat. § 143-151.12](#) subparagraphs (4), (5) and (6) give power to the COQB to:

- (4) Consult and cooperate with counties, municipalities, agencies of this State, other governmental agencies, and with universities, colleges, junior colleges, community colleges and other institutions concerning the development of Code-enforcement training schools and programs or courses of instruction;
- (5) Establish minimum standards and levels of education or equivalent experience for all Code-enforcement instructors, teachers or professors;
- (6) Conduct and encourage research by public and private agencies which shall be designed to improve education and training in the administration of Code enforcement;

Faced with the task of ensuring a sufficient supply of qualified inspectors throughout the state at a reasonable cost, early on the COQB partnered primarily with the N.C. Community College System to teach board prescribed courses required to earn a standard certificate. [Board Rule 11 NCAC 08 .0706\(g\)\(3\)](#) requires every applicant to make a grade of at least 70 on courses developed by the Board. All applicants must successfully complete a law and administration course. Ideally, the network of 58 community colleges could conveniently serve all 400+ local government Authorities Having Jurisdiction (AHJs) needed mandatory pre-service or in-service education classes. In practice, many complaints were noted concerning cancelled classes because the decentralized, autonomous nature of the community college system lacked a mechanism for coordinating course offerings by region. While community colleges are more or less restricted to advertising within their locales (i.e. one or two counties), the OSFM COQB [Code Education Resources](#) web page lists ALL scheduled courses as a convenience for the sponsors and inspectors. In part to fulfill [Board Rule 11 NCAC 08 .0725](#) Notice of Scheduled Courses requirement to provide staff 20 days' notice before a scheduled course date. This has had the unintended consequence of spurring combined travel of *tens of thousands of miles* from AHJs to Community Colleges resulting in increased costs and absence of inspectors from the AHJ to attend courses. Over the past few years, Jessica Yelverton, OSFM staff Education Coordinator for the COQB, has conducted extensive outreach among community colleges to realize a regional, cooperative approach and progress is being made to make more classes available closer to the AHJs they serve.

Secondarily, the content and duration of each Board course has traditionally focused on familiarizing students with navigating code book(s) for a specific trade and level of building or system complexity (i.e. Building Level III). The candidates for certification typically were licensed and experienced in the trade prior to applying or performing as code official. Unfortunately, the duration of the courses (ranging from 15 hours for the Law and Administration to 48 hours for the Building Level I course) has not increased despite the increasing requirements and exceptions found within the codes and evidenced by the increase in the number of pages in the books!

In addition to standardized courses, [N.C. Gen. Stat. § 143-151.13A](#) authorized, and [Board Rule 11 NCAC 08.0712](#) required, mandatory professional development / continuing education (CE) for code officials. To renew an inspection certificate, Code Enforcement Officials (CEOs) must complete six (6) hours of CE in each trade for which they hold certification. For inspectors with multiple certifications attendance, often a week-long conference sponsored by an inspector association can provide the needed CE but at some expense and absence from duties at the AHJ. While there may be sufficient staff at larger, metropolitan AHJs to cover, smaller rural AHJs often are strained to lose an inspector for a few days. Current board rules allow CEOs and AHJs complete discretion as to what type of education courses to attend as long they are board approved. And, while [Board Rule 11 NCAC 08 .0716](#) only states "*General CEO compliance with annual CE requirements may be determined through an audit process conducted by the Board's staff.*" because [Board Rule 11 NCAC 08.0731](#) requires each sponsor to submit a roster of students verifying course completion, AHJs and CEOs now expect OSFM staff to keep track of every CE credit, essential to the annual certificate renewal process. Due in part to the complexity of the board rules for reactivation of certificates as well as the ability to carry over CE credit from prior years and excess from standard courses, most of the complaints about the online system have arisen from inaccuracies of CE credits, that have in turn prevented certificate renewals.

The subtitle above, ***A new initiative***, sets the stage to apply emerging Learning Management System (LMS) technology in a comprehensive, cost effective manner to the existing online certification application and

renewal process. More information will be provided over the next few months through a variety of communication formats. The primary short-term goal is to offer a means of individualized, scalable distance education to CEOs (and others) that can supplement classroom based standard courses as well as increase low-cost CE opportunities. The strategic educational program outcome seeks to increase the level of competence and consistency among inspectors statewide thereby increasing code compliance and reducing injuries and property damage.

Please email mike.hejduk@ncdoi.gov with your comments, questions or concerns.

NC Building Code Training

Recently, OSFM Engineering Services hosted a week long pilot “Code College” October 30 through November 3 at NCDOT headquarters 325 N. Salisbury St., Raleigh, NC. Each day of the week provided six (6) hours of free Continuing Education (CE) credit for one trade as shown on the schedule below. Chief Code Consultants from OSFM taught the courses.

FIGURE 2: CODE COLLEGE SYLLABUS

	Oct. 30		Oct. 31		Nov. 1		Nov. 2		Nov. 3	
	Monday		Tuesday		Wednesday		Thursday		Friday	
TRADE	BUILDING		ELECTRICAL		MECHANICAL		PLUMBING		FIRE	
	Course	Instructor	Course	Instructor	Course	Instructor	Course	Instructor	Course	Instructor
Registration										
9 to 10	CS 3777: Path of Travel Upgrades	Laurel Wright	CS3759: Electrical Inspections for Manufactured and Modular Building	Mike Hamm	CS3753: Permit, When required, Case studies.	Dan Dittman	CS3764: Past Investigations	Cliff Isaac	CS3763: Required vs. Non-required systems	Dan Austin
Break										
10 to 11	continued 2-hours		continued 2-hours		continued 2-hours	Dan Dittman	continued 2-hours		continued 2- hours	
Break										
11 to 12	CS3749: Farm Buildings	Carl Martin	CS3756: Electrical Theory Basics 1	Joe Starling	CS3754: NCMC Section 101.5	Dan Dittman	CS3778: Accessible Plumbing Issues	Laurel Wright	CS3762: MSDS/ SDS	Dan Austin
Lunch									Site visit to prepare for next course	
1 to 2	CS3748: Energy Code Compliance Alternatives for Commercial Buildings	Billy Hinton	continued 2-hours	Joe Starling	continued 2-hours	Dan Dittman	continued 2-hours	Laurel Wright	CS3760: Breweries & Distilleries	Dan Austin
Break										
2 to 3	CS 3765: Does This Meet Code - A Residential Discussion	Bill Kirk	CS3757: Electrical Theory Basics 2	Joe Starling	CS3755: NCMC Sections 102.2, 102.3, and 102.4. Case Studies	Dan Dittman	CS 3779: Recent Interpretations	Bill Moeller	continued 2- hours	Dan Austin
Break										
3 to 4	continued 2-hours		continued 2-hours	Joe Starling	continued 2-hours	Dan Dittman	continued 2-hours	Bill Moeller	CS3761: Adoption of the Appendices in the Fire Code	Dan Austin

Training Rooms on the second floor have a capacity of about 100 attendees. Invitations to this pilot program were limited to CEOs in Wake and surrounding counties. Although this course is already completed, this article is to inform the reader that Future Code Colleges are planned for other areas of the state in 2018, with either the same or similar classes.

In addition to the CE training, Jessica Yelverton, Education Coordinator, also hosted daily workshops with subject matter experts to update the COQB Standard Courses from the 2012 to 2018 codes. Thank you to the Standard Course instructors and other level 3 CEOs who volunteered their time and talents.

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

[http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Code Education - Student Main&user=Code Education Resources](http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Code_Education_-_Student_Main&user=Code_Education_Resources)

Once the web page is accessed, click the “**FIND A CLASS**” button to refine your search. As discussed in previous newsletters, please consider the use of the Standard Classes if you are a design professional, contractor, or code official, as they are an underutilized offering.

The NC Building Inspectors Association, NC Plumbing Inspectors Association, NC Mechanical Inspectors Association and NC Fire Marshal’s Association are planning their winter and spring 2018 training. Please review their websites, in addition to the NC DOI website for available training.

<http://www.ncbia.org/>

<http://ncpia.us/>

<http://ncmia.com/>

<http://www.ncfma.com/>

<http://www.nciaei.org/>

Works Cited

Pennington, Bailey. (2017). *Mebane Enterprise*. Retrieved from Mebane Enterprise: www.mebaneenterprise.com

End of Newsletter