

B.O.C.O.N.E.O.

Building Officials Conference of North East Ohio



October 2015

B.O.C.O.N.E.O. Officers

President
Jerry Flanik

First Vice President
James Decker
Mentor, Ohio

Second Vice President
James McReynolds
Olmsted Township, Ohio

Secretary
Gregory Fort
Mayfield Heights

Treasurer
Mike Skvasik
Village of Glenwillow

Education Co-Chairmen
James McReynolds
Michael Gero

Cooperating Member
Doug Leovic
Wickliffe Fire Dept.

Past President
Paul Kowalczyk
South Euclid, Ohio

“EARLY NOTICE”

**ANNUAL BUSINESS MEETING &
ELECTION OF OFFICERS
WEDNESDAY, NOVEMBER 18, 2015**

Notice is hereby given that the Annual Business Meeting & Elections of Officers of BOCONEO will be held on November 18, 2015, at 12:30 p.m., at the Normandy Party Center, 30310 Palisades Parkway, Wickliffe, Ohio 44092

The slate of candidates will be sent to all members at least seven days prior to the annual meeting. All board members terms are for a period of two-years. Contact any board member if you are interested in running for office.

Jerry Flanik
President

This Month's Meeting

**“Condensed Study of Fireplaces,
Wood & Coal Heaters”**

**3 Hours for BO, MPE, BI, FPI, MI, NRIUI, RBO, RPE, RBI, RIUI.
Presented by Robert Bures of Bures Consultants, Inc.**

[Click To Register Here](#)

**Electrical Roundtable
@ 10:30 AM**

**Plan Exam Roundtable
@ 10:30 AM**

**Plumbing Roundtable
@ 10:30 AM**



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President's Message

"Special Event for BOCONEO Members"

Members, join us at no cost for an ICC Chapter Education Benefit on
Friday, December 4, 2015.

Course Information

Topic: 2012 ICC Commercial Kitchen Hoods

This course will prepare you for upcoming changes in the Ohio Mechanical Code related to commercial kitchen exhaust systems.

Presenter: Jerry Flanik, ICC Instructor

BBS Approval: 3-hours All certifications (#BBS2015-528)

ICC PP#: 1010-3929

Location: Normandy Party Center, 30310 Palisades Pkwy, Wickliffe, OH

Time: Registration & Continental Breakfast 7:30 a.m.-8:00 a.m.

Course Presentation 8:15 a.m.-11:30 a.m.

Note: Deadline for registration is Monday, November 30, 2015



Jerry Flanik
President

[Registration is available at boconeo.org](http://boconeo.org)



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First Vice President's Report

You have all heard President Flanik's discussion on finding ways to encourage the younger generation to consider a career in the code enforcement industry.

The Construction Employers Association in Cleveland has a program called ACE (Architecture Construction Engineering) which is a mentoring program for students in the Cleveland Public Schools.

Visit <https://www.ceacisp.org/ace-mentor-program-cleveland> for more information.

The International Code Council has a High School Technical Training Program Toolkit for offering courses in the building trades.

Visit <http://www.iccsafe.org/about-icc/career-in-building-safety/high-school-technical-training-program-tool-kit/> for more information.

I would ask each jurisdiction to at least visit with your local high school guidance counselors as a starting point in promoting our industry. The City of Mentor has hired engineering students during their summer breaks. These interns had no knowledge of the code enforcement industry when enrolling in their engineering programs.

Planning for the March 2016 OBOA/BOCONEO Joint Conference in Dublin is well underway. Our next organizing meeting will be held on October 15.



James Decker
First Vice President



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Second Vice President's Report

Notes regarding burial of conductors in NEC 300.5 and Table 300.5

While looking through my local building code the other day, I read that all electrical power to a detached garage is required to be run underground (at least in my jurisdiction).

As of this point no one has requested lately to run overhead conductors to a detached garage in my neck of the woods. In some cases a garage badly in need of repair is replaced by a new garage, and new conductors are run underground. In other instances an entirely new building is constructed, with new conductors run underground. In one case I was asked to allow use of existing buried conductors when an ancient shed was replaced with a new shed. In determining compliance in these various situations, I turn to NEC 300.5.

There are good reasons to run conductors underground. First, you do not need to erect any poles to carry wires above the ground to the height required by the NEC (a topic for another discussion). Also, overhead wires are subject to intense physical damage arising from wind, sunlight, rain, snow, as well as the occasional resting bird.

Underground runs are protected against physical damage, providing that installations are complying with section 300.5 of the NEC.

It is important to note that the interior of underground conduit or enclosures are considered wet locations. Therefore the inspector must verify that conductors placed within these underground enclosures also comply with section 310.10(C), meaning that the conductor must be of a type listed for use in wet locations. Conductor types are listed in 310.10(C)(2) as suitable for this use, as is moisture-imperious metal-sheathed conductors or cables.



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Second Vice President's Report, cont.

The burial depth minimum requirements are shown in Table 300.5. When using this table bear in mind that the distance is measure from the top of the surface of the buried conduit or other type of raceway to the top of the finished grade, or cover.

In some commercial settings the finished grade may not be established at the time of trench inspection, and so the inspector must recognize that it is the finished grade level that should be used to determine compliance.

When looking at Table 300.5 the first location identified is "all locations not specified below." Therefore this is the catch-all reference section for burial depth. Unless the location is specified in a table section directly below, than the catch-all section of the table may be used.

I often have to point out another detail to contractors when placing conductors for burial under concrete: Table 300.5 requires a minimum thickness of 4 inches of concrete slab over the buried conductors, and not the 3.5 inches or the "nominal 4 inches" as provided by a 2 x 4 placed on its side. I try to point out this requirement either during the plan approval stage, or at least before the concrete is poured, to make sure that this requirement is met.

In conclusion, Section 300.5 of the NEC, along with its accompanying table, provide us, as inspectors, with the necessary tools to properly determine if an electrical conductor burial is code complaint.



James McReynolds
Second Vice President



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From Your Secretary

Just a reminder to bring your Boconeo card with you to the meeting. If you forget, you'll need to fill out an attendance form to be entered manually after the main sign-up is complete.

To update the new members, the membership cards are lifetime cards. We do not issue new cards each year.

I'd like your opinion on this. On the website we have a membership roster that is somewhat out of date. Unless I can automate the updating of the roster from our membership software, I was thinking of discontinuing it. It is just too burdensome to update manually, and that's why it's out of date. Let me know at the meeting if you use it and think we should keep it.



Gregory Fort
Secretary



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This Months Educational Presenter

This month's scheduled class is "Condensed Study of Fireplaces, Wood & Coal Heaters" presented by Robert Bures of Bures Consultants, Inc. This class is approved for 3 hours of credit for certifications, BO, MPE, BI, FPI, MI, NRIUI, RBO, RPE, RBI, and RIUI.

The electrical, plumbing and plan examiner roundtables begin at 10:30 a.m. Roundtables will run from 10:30 to 11:30 a.m. with lunch starting around noon. Please sign up only for the roundtable you plan to attend.

All classes require a distinctive sign in sheet. In order to receive a credit and a certificate you must scan in for each class. The BBS requires attendees to sign in within 15 minutes of the class beginning. You must remain for the entire class to receive credit. The attendance rooster is submitted to BBS by BOCONEO. Your certificate is required to be submitted to the BBS by you when you renew your certifications.

Certificates of attendance will be distributed electronically after completion of the class. We use the email address provided when you register for the class. Please be sure it is correct. In order to receive proper credit please double check your name and BBS ID number when you register. You must sign in for each class to receive a certificate, which will be via email, 3 to 5 days after the class. If you do not receive your certificate within 5 days of the class or have an issue with your receipt of the email, please let us know at boconeo.certificate@gmail.com.

Also, if you have registered for the class and find that you will not be able to attend, please send an email to boconeo@gmail.com with that information so we can adjust the attendance count. We understand that schedules can change so we ask you to help us control some of the expenses with the courtesy of a cancellation notice. Thank you.



Michael Gero
Co-Educational Chairman