



May, 2013

President's Message

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

President

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South Euclid, Ohio

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At the luncheon portion of the May meeting, the Executive Board would like to recognize those individuals that "keep it all together" – the administrative staff at the department counter. We often overlook what these individuals have to deal with on a daily basis. They are typically the first individual an angry resident yells at; the first individual that is confronted by an upset contractor who couldn't get an immediate inspection; and the first individual that takes the brunt of the blame for being issued a violation.

The Board would like to invite your administrative staff to lunch and recognize them for a job well done. Each Department can bring one administrative staff member with the cost of the meal being covered by BOCONEO. Any additional staff members are welcomed at a cost of \$10.00/person. If you are planning on bringing a staff member with you, I will need to receive an email at boconeo@gmail.com or pkowalczyk@seuclid.com with the name of the individual no later than Thursday, May 9th. The Board would like to present certificates to the staff members but we will need their names (and a headcount for meals).

We had about 25 individuals participate in our educational institute in April. Although we were hoping for better attendance, it was still a day filled with good education, networking and code discussions. Some of the architects in attendance were impressed with what our membership offers.

Continued...

This Month's Meeting

Energy Compliance in the 2013 RCO - Field Inspection

Bob Schutz

3 Hours for BO, MPE, PPE, EPE, BI, FPI, MI, PI,
NRIUI, ESI, RBO, RPE, RBI, RPI, RIUI

[Click To Register Here](#)

Plumbing Roundtable

@ 10:15 am

Electrical Roundtable

@ 10:15 am

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

Building Officials Conference of North East Ohio



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I will continue asking for support of the annual golf outing. It is only 2 ½ months away but we need your help in securing hole sponsors. Each one of you comes in contact with contractors, architects, suppliers and business individuals on a daily basis. Getting a hole sponsor is an excellent way to help out the organization. For the second year in a row, we have kept the hole sponsor amount at \$25.00. This is not much to ask for and it is easier to solicit a donation at this amount. With over 300 members, if each member got just one sponsor (or purchased one), we would raise over \$7,500. This money goes into the scholarship foundation and helps young individuals with financial support for college. The more money the scholarship raises, the more young students we can help out. You can also participate by sponsoring a foursome. Both applications can be downloaded from the website. If you are allowed, please post these applications at your counters.

Just a reminder that there will be no roundtables at the June meeting. The course for that day is a 5 hour course on fire door assemblies. The class will start at 10:00 am that day, break for lunch at noon, and complete in the afternoon. Please mark your calendars about the change in schedule for the June meeting.

Let's remember, May is Building Safety Month. The ICC has great downloads and brochures available to give to the public. It is up to us to spread the word on the important things that we do!



Warmest regards,

Paul Kowalczyk
President



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First Vice President's Report

An energy compliance item that has been overlooked for years. (Correction/Clarification from March 2013 Newsletter)

In February and March of 2013, our Residential Focus Group met to discuss insulation values over wall top plates at the eaves of ceilings with attic spaces. Provided in this article are corrections and clarifications regarding insulation located at the eaves.

First, according to our new "Energy Compliance Declaration Form" that is submitted with the construction documents, the plans examiner knows exactly what option the owner/owner agent is proposing. Second, most energy compliance submittals will be in the form of a simple prescriptive approach as follows:

The Home Builder's Association Alternative Energy Code Option (Path 1 & 2), 2009 IECC, or RCO Sections 1101-1104. Insulation and fenestration values by component (selection directly from tables).

REScheck (*Total UA Alternative*) is a prescriptive trade-off approach that can be submitted for the 2009 IECC or RCO Sections 1101-1104 due to the U-factor tables having the same values. **Note:** A Total UA Alternative is permitted in section 1105.2.1.3 of The Home Builder's Association Alternative Energy Code Option, and would be submitted either on a separate worksheet or spreadsheet (*REScheck not acceptable*).

Third, as you review the insulation values according to the proposed energy options, the value at the eaves may be deficient. Locating section details within the construction documents will allow you to review this area that is usually the point of non-compliance.



May, 2013

Example 1:

The RBO/plans examiner was provided with construction documents (with application) for a new house along with an “Energy Compliance Declaration Form” indicating that the energy compliance was based upon Compliance Path #2 (Table 1105.2.1) of the Home Builder’s Association Alternative Energy Code Option. Upon reviewing the section detail for a ceiling with attic space (see Figure 1 below) the standard truss would not be capable of providing the full height of batt insulation from the wall top plate to the baffle in order to accommodate the tabular value of R-49. However, when picking values from Table 1105.2.1, the code assumes the use of a rafter or standard truss and will allow the tabular value of the insulation to be compressed at this tapered eave area (permitting a partial thermal bypass) provided that the rest of the ceiling is insulated to an uncompressed value of R-49. Therefore, Figure 1 indicates an acceptable design.

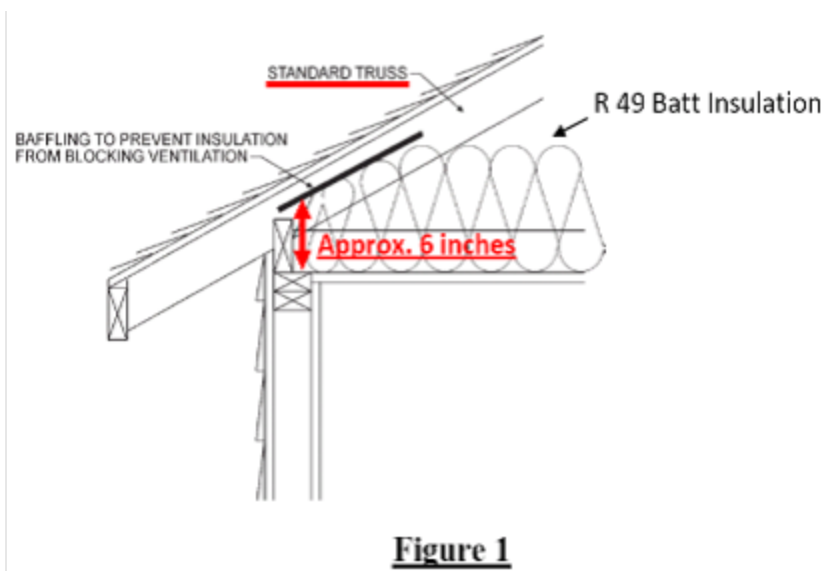


Figure 1

**TABLE 1105.2.1
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT***

	FENESTRATION U-FACTOR ^b	SKYLIGHT ^b U-FACTOR	GLAZED FENESTRATION SHGC ^{b,c}	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE ^e	FLOOR R-VALUE	BASEMENT ^d WALL R-VALUE	SLAB ^d R-VALUE AND DEPTH	CRAWL SPACE ^d WALL R-VALUE
Compliance Path #1	0.32	0.60	NR	49	15 or 13 + 5 ^b	13/17	30 ^d	10/13 (minimum 4 feet)	10, 2 ft	10/13
Compliance Path #2	0.32	0.60	NR	49	13	13/17	30 ^d	10/13 (minimum 4 feet)	10, 2 ft	10/13



Example 2:

Be aware of advanced framing techniques that may be indicated on the construction documents such as “energy trusses.” The RBO/plans examiner was provided with construction documents (with application) for a new house along with an “Energy Compliance Declaration Form” indicating that the energy compliance was based upon Compliance Path #2 (Table 1105.2.1) of the Home Builder’s Association Alternative Energy Code Option. Upon reviewing the section detail for a ceiling with attic space (see Figure 2 below) an energy truss was provided with a reduced insulation value contrary to the tabular value of R-49.

According to RCO 1105.2.2.1 (see below) the tabular value of R-49 for this application may be reduced to an R-38 wherever the full height of uncompressed insulation extends over the wall top plate at the eaves. Thus, allowing a uniform-uncompressed R-38 ceiling insulation value extending from the eaves throughout the attic space. **Note:** This reduction would not be possible if the applicant submitted the U-Factor Alternative or Total UA Alternative method.

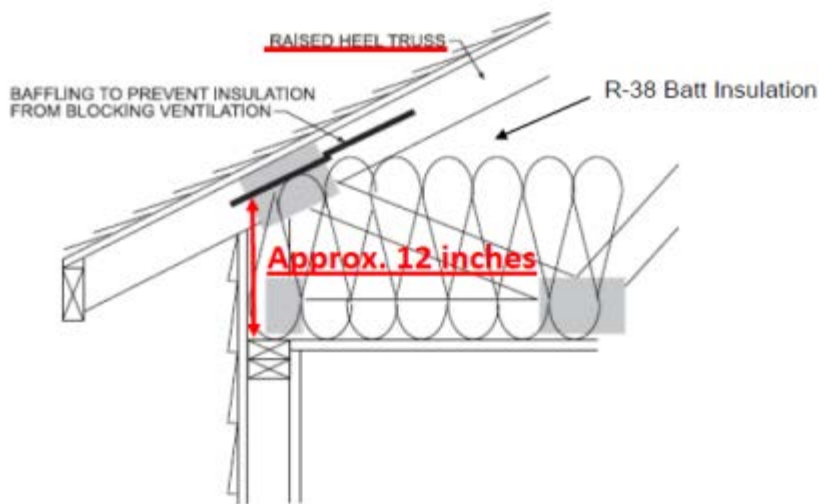


Figure 2

1105.2.2.1 Ceilings with attic spaces. When Section 1105.2.1 would require R-49 in the ceiling, R-38 shall be deemed to satisfy the requirement for R-49 wherever the full height of uncompressed R-38 insulation extends over the wall top plate at the eaves. This reduction shall not apply to the U-factor alternative approach in Section 1105.2.1.2 and the Total UA alternative in Section 1105.2.1.3.



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First Vice President's Report

The use of spray foams may be another choice by owners in order to reduce the heel height at eaves. However, details would need to be provided to indicate the type of foam and the R-value per inch. Also, if foam is used at eaves, care must be taken to ensure that the baffles will not be compressed by the expansion of spray foam products, thus reducing or possibly eliminating the passage of air for proper attic ventilation.



Jerry Flanik
First Vice President



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Second Vice President's Report

Are your commercial codes up to date?

Effective March 1, 2013, Ohio Building Code Chapters 1, 4, 9, 10, 11, 31 & 35 as well as Ohio Plumbing Code Chapter 13 and Chapters 4, 5 and 15 of the Ohio Mechanical Code have been modified. These changes can be found in .pdf format at the Board of Building Standards web site. Some noteworthy changes follow.

Chapter 1 OBC was modified to remove building department certification requirements. These requirements are now found in 4101:7 of the Ohio Administrative Code.

Many of the Chapter 4 and 9 OBC changes relate to referencing ICC A117.1 as opposed to ADAAG.

Section 907.5.2.3.3 specifies a minimum number of visible alarm notification appliances in sleeping units of Group I-1 and R-1 occupancies.

Section 1016.3 re-introduces a previously allowed exit access travel distance increase in Group F-1 and S-1 Occupancies to 400 feet with an ESFR sprinkler system and smoke evacuation system.

Chapter 11 was modified the most on a wide range of topics. They added a definition of 'Area of Sport Activity', re-worded Group U occupancy exceptions to accessibility (i.e.-agriculture uses), spaces frequented by service personnel (i.e.-catwalks, equipment spaces), provides for at least one accessible route within a site, added 10 percent of units in assisted living facilities shall be accessible, requires five percent of toilet compartments be accessible, the number of accessible checkout aisles has been modified, and added 2 percent of gaming tables and machines shall be accessible.



James Decker
Second Vice President



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This Months Educational Presenter

May's class is "Energy Compliance in the 2013 RCO - Field Inspection" which will be presented by Bob Schutz. Credit of 3 hours will be given for the following certifications: BO, MPE, PPE, EPE, BI, FPI, MI, PI, NRIUI, ESI, RBO, RPE, RBI, RPI, RIUI.

Bob Schutz has presented to BOCONEO many times before. His biography is extensive and his classes are always packed with information. I would guess that almost everyone has been in one of his classes at one time or another. Bob likes everyone to bring their code book with them so if you can, bring your RCO or at least Chapter 11, and the 2009 IECC.

This month we invite you to bring your administrative staff to the meeting. BOCONEO will acknowledge them at our lunch and meeting. Please be sure to email Paul with the names of the staff you will be bringing.

Last month Greg Wujcik referenced the DCA6 during the presentation, which is the Prescriptive Residential Wood Deck Construction Guide. The American Wood Council is having a free webinar on the DCA6 on May 30th, from 1-2:30. Information and registration can be found at www.awc.org.

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
Educational Chairman



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Technically Speaking...

I've added a new feature to the website for all members to use. We now have a **Classified Ad board** for non-commercial use. Are you selling a house, car, boat, tractor, jet ski or other personal item? Someone in our group (**over 350**) might just be interested in your offer.

The rules are simple. You must be a member to post, no commercial advertising and no off color topics. The board reserves the right to remove any ad deemed non-appropriate at it's sole discretion.

The **Classified Ad board** is located at the bottom of the home page. Just click through to the next page and you can view or place ads. If you are placing an ad it must first be approved by one of the website administrators before the ad will be shown publicly. This will normally be within one day.



Gregory Fort
Webmaster