President’s Message

Duct Tightness Testing

Total duct leakage or leakage to outdoors. What is the difference? Total duct leakage is a testing method that measures how much leakage there is for all of the ductwork connected to the HVAC system. Duct leakage is measured in CFMs at a pressure of 25Pa. This testing method can be used either at the time of rough-in (with or without the air handler installed) or at the time of post construction.

Leakage to outdoors is a testing method that utilizes both a blower door test assembly in conjunction with a duct tightness test assembly. The method of this particular test is to turn on the duct tester fan and increase the air flow until the pressure inside the duct system is 0.0 (±0.1 Pa) with reference to the home. When both the house and the duct system are pressurized to 25 Pa with respect to outdoors, there should be no air flowing through duct leaks into the house. Measuring the air flow in CFMs on the duct testing manometer will give the “leakage to outdoors” needed to equalize pressure in ducts to 0 Pa. Thus, the amount of duct leakage to outside the building envelope.

This Month’s Meeting

Four Steps to Safe Truss Installations Concepts Overview

Kirk Grundahl, Structural Building Components Association
3 Hours for BO, MPE, BI, RBO, RPE, RBI, NRIUI, RIUI
BBS2014-125

Click To Register Here

Plumbing Roundtable
@ 10:30 AM
&
Electrical Roundtable
@ 10:30 AM
B.O.C.O.N.E.O. Officers

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The following information indicate the OHBA and IECC requirements regarding duct tightness testing.

**OHBA Duct Tightness Post Const. Test**

**Post-construction test:** Post-construction duct tightness shall be verified to meet the values prescribed in Table 1105.3.2(a) by testing either the "Leakage to Outdoors" or the "Total Leakage" in accordance with the chosen compliance path. Testing shall be conducted at a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.

**Exception:** Duct tightness test is not required if the air handler and all ducts are located within conditioned space.

**Note:** Duct tightness testing will take place on January 1, 2014 (Approvals dated on and after this date).

**OHBA Duct Tightness Rough-in Test**

**Rough-in test:** Rough-in duct tightness shall be verified to meet the values prescribed in Table 1105.3.2(b) by testing the "Total Leakage" in accordance with the chosen compliance path. Testing shall be conducted at a pressure differential of 0.1 inch w.g. (25 Pa) across the roughed in system, including the manufacturer's air handler enclosure, if installed at the time of the test. All register boots shall be taped or otherwise sealed during the test.

**Exception:** Duct tightness test is not required if the air handler and all ducts are located within conditioned space.
The BOCONEO Annual Golf Outing will be held (again) at Grandview Golf Club with the proceeds going to the John Korinek Memorial Scholarship Fund. We need to secure hole sponsors and participants for this fine event. BOCONEO members, please do your part and consider attending the golf outing and obtaining hole sponsors. Information is available on our BOCONEO website.
First Vice President’s Report

Once again the President of the United States has recognized Building Officials and design professionals for their commitment to public safety. This recognition raises the profile of building safety professionals everywhere and helps us realize our goal of creating safe, sustainable, resilient and more affordable communities.

The proclamation declares May 2014 as National Building Safety Month, a “time to celebrate the dedicated professionals who keep our buildings secure, and we recommit to maintaining resilient, energy-efficient infrastructure.”

The president also says in the proclamation, “Joining with building officials, design professionals, scientists, and engineers, we continually develop new guidance and tools for increasing disaster-resistance and meeting building standards. …From our homes to our high-rises, our museums to our malls, let us work to keep structures sound and up to code.”

Building Safety Month has once again been recognized by the president. Addressing resiliency in the built environment and urging all Americans to learn more about how they can contribute to building safety at home and in their communities is what Building Safety Month is all about.


James Decker
First Vice President
From Your Secretary

At last month’s meeting we passed out almost half of the membership cards to current members. Please bring your membership card as you will need to show it in order to sign in each month.

If you have not yet received your membership card, please come to the membership table first before going to the registration table.

Most registrations are now current, but those that are not, will not be permitted to register nor receive class credits or lunch.

The membership card issued to you is permanent. It will be renewed and updated each year in the computer database. If you lose your card you will need to apply for a replacement card at the cost of $10.00.

Our goal is to eventually be able to have members sign in and out with their cards instead of having to initial in as we do now. The state is very close to keeping electronic records so you will no longer have to keep paper certificates and send them in every three years.

I am working with Steve and Regina at the BBS to coordinate our system to be compatible with the system they are implementing. They are very interested in what we are doing and we may just end up being a precedent for the entire state. We are the “guinea pigs” for this electronic system moving forward.

Overall, I envision a much quicker and accurate system to keep track of your continuing education credits. I look forward to the day that we no longer have to keep paper certificates of all the classes we have attended. There will be some growing pains but I believe it will all be worth it in the end.
REMINDER! The electrical and plumbing roundtables have changed to a 10:30 a.m. starting time. Roundtables will run from 10:30 to 11:30 a.m. with lunch starting at noon.

May’s class is “Four Steps to Safe Truss Installations Concepts Overview”, BBS2014-125, presented by Kirk Grundahl, PE, Executive Director of the Structural Building Components Association. This 3-hour class offers continuing education credit for BO, MPE, BI, NRIUI, RBO, RPE, RBI, RIUI.

The roundtable classes are separate classes from the main class. Each class requires a distinctive sign in sheet. The BBS requires attendees to sign in within 15 minutes of the class beginning. Certificates of attendance are distributed at the end of the class. Sign in sheets are sent to the BBS to provide a list of attendees. Your certificate is required to be submitted to the BBS when you renew your certifications.

Just a couple of housekeeping reminders; if you would like a vegetarian type of lunch please email your request to boconeo@gmail.com when you register so arrangements can be made for special diets. We will make every attempt to accommodate the requests.

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.

Plumbing Roundtable Topic:
3” and above 90* horizontal short bends and back outlet & side outlet tees & 90*. Have everyone bring there O.P.C. Books

Michael Gero
Co-Educational Chairman
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Jobs Report

The following positions are posted on the website under “open positions”. Please go to the Boconeo website for further information at:

http://boconeo.org/category/open-positions/

North Olmsted Building/Electrical Inspector

Euclid Housing Inspector

University Heights Building Inspector

Seasonal Property Maintenance Inspector

Full-Time Lake County Certified Building / Electrical Inspector

Richmond Heights Building Inspector