

Inspection Skills Building for Code Officials



The

Pennsylvania Building Officials Conference 35th Annual Conference

Harrisburg, PA
October 7-9, 2009

Held over for 2009...2006 prices!

Conference Overview

Training Philosophy

NEW THIS YEAR

Tuesday, October 6, 2009

11:30 am Golf Tournament (Extra Cost)

Wednesday, October 7, 2009

8:00 am Registration Opens (Coffee)

9:00 am - Noon Annual Meeting
Exhibitor Spot Light

Noon - 1:00 pm Lunch[†]

1:00 pm - 5:00 pm Seminars (Select One)

- Property Maintenance Codes
- Disarming Fire & Burglar Alarm Issues
- Sprinkler Issues - 1
- Legal Issues in the Code Office
- Fire-rated Doors & Hardware

5:30 pm - 6:30 pm Cash Bar

6:30 pm - 8:30 pm Dinner[†] Positive Outcomes from Public Interactions



Thursday, October 8, 2009

8:00 am - Noon **Half-Day MORNING Seminars**

- Sprinkler Issues - 2
- Wood Uses in Noncombustable Construction

8:00 am - Noon and 1:00 pm - 5:00 pm **All-Day Seminars**

- Performing Residential Electrical Inspections
- Commercial Mechanical Plan Review
- Metal Plate Connected Wood Truss Issues

Noon - 1:00 pm Lunch[†]

1:00 pm - 5:00 pm **Half-Day AFTERNOON Seminars**

- Kitchen Hoods in Commercial Uses
- Emerging Insulation Technologies

6:00 pm - 7:00 pm Cash Bar

7:00 pm - 9:00 pm President's Dinner[†]
Rep. Timothy J. Solobay
ICC Liaison
Awards, Presentations And Prizes

Friday, October 9, 2009

8:00 am - Noon **Half-Day Seminars**

- Code Office Administration Roundtable
- Insulation & Passive Fire Protection
- Sprinkler Inspection & Demo Burn
- Green Building Briefing & Tour

[†]See registration form for registration and food packages.

PennBOC's code-related training is drawn from a variety of professional training providers, leaders in the building materials industry, and the related building trades. PennBOC training increases participants' knowledge of the codes and prepares participants for consistent and successful application of the respective code provisions in their day-to-day work.

Five learning tracks present subjects grouped to provide training on these topics...

- Residential Issues
- Commercial Issues
- Fire Issues
- Multi-Interests
- Hands-on Skills

Mix and match session selections to satisfy your personal training goals.

PENNBOC welcomes the collaboration of the PA Association of Fire Code Officials (PAFCO) in planning this year's conference. PENNBOC's board is working cooperatively with PAFCO and many other organizations supporting the 2009 code provisions regarding the inclusion of sprinklers in one and two family dwellings.

The annual meeting is the opportunity for members to learn about and shape the association's activities and guide its efforts for members and the public they encounter. The doors are open to all; members are afforded the opportunity to participate.

New this year, the Exhibitor Spotlight will bring the exhibitor's message to all participants immediately following the Annual Meeting.

All conference activities will be presented (or begin) at the Holiday Inn Harrisburg East.

Session Matrix

Use this matrix to select conference sessions. Numbers in each block correspond to numbers on registration form. Do not schedule overlapping sessions. For example, do not select 906 and 908.

TRACK	Wednesday October 8	Thursday Morning October 9	Thursday Afternoon October 9	Friday October 10
Residential	Property Maintenance Codes 901	Performing Residential Electrical Inspections 906	Administrative Issues in the Code Office Roundtable 913	
Commercial	Disarming Fire and Burglar Alarm Issues 902	Commercial Mechanical Plan Review 907	Passive Fire Protection Materials 914	
Fire	Sprinkler Issues - 1 Sprinklers in PA Getting to "Yes" 903	Sprinkler Issues - 2 Rural Sprinkler Issues Inspection Tips 908	Commercial Kitchen Hoods and Wet Chemical Suppression Systems 911	Sprinkler Installation Inspection and Side-by-Side Burn 915
Multi-Interest	Legal Issues in the Code Office 904	Wood Use in Noncombustible Types of Construction 909	Understanding, Permitting and Inspecting Emerging Insulation Technologies 912	
Hands-On	Fire-Rated Doors, Hardware and Openings 905	Metal Plate Connected Wood Trusses 910	Green (LEED) Building Briefing and Tour 916	

Inspection Skill Building

Wednesday, October 7

1:00 pm - 5:00 pm

Property Maintenance Codes (901)

A discussion of the fundamentals of Property Maintenance and Rental Inspection Codes will set the foundation for this presentation. Reasonable and unreasonable expectations of these codes will be presented to prepare code officials to address inquiries from elected officials and the public. Tips on “raising the issue” with elected officials will be shared. Successful techniques to achieve compliance will be explored. Tips will be shared on avoiding, yet recognizing, when litigation is the best or last tool to use.

Disarming Fire & Burglar Alarm Issues (902)

This session will explore ways to make the interactions between alarm installers and service providers and the municipal code office more productive and less stressful. Topics will range from system design and permitting to field inspection to minimizing false alarms.

Sprinkler Issues - 1 (903)

[see Sprinkler Issues - 2 (908) Thursday]

This interactive session will explore two aspects of the interrelationships of sprinklers and the code enforcement community. Bring your questions and plan to share your real-world experiences.

- Welcoming Residential Sprinklers to Pennsylvania will present an overview of the new 2009 code requirements.
- Getting to Yes: Breaking Down Barriers Between Industry and Regulators will explore ways to make the design, application, and field inspection processes win-win interactions.

Legal Issues in the Code Office (904)

This attorney-led session covers a wide range of topics that will help code officials be continuously prepared to initiate enforcement actions or defend the office from legal challenges. What actions to document and documentation safeguard strategies will be covered, along with governing body interactions, using the resources of a solicitor and much more. Be prepared to join in this give-and-take session.

Fire-Rated Doors, Hardware and Openings (905)

Don't miss this opportunity to learn about the updated NFPA 80 Standard for Fire Doors and Other Opening Protectives, installation, operation, features, and basic criteria of fire-rated doors. This updated standard now makes the inspection of fire-rated doors a yearly requirement. Participants will learn what to look for when they are approving the installation and on-going maintenance of fire-rated doors. The class provides code officials with a better understanding of what to visually verify when they see that a fire-rated door has been inspected.

Continuing Ed Credits

Each half-day session earns 3.5 continuing ed credits; Monday evening earns one. Credits are documented, by mail, following the conference. Attendees' signatures must be on the sign-in sheet as proof of participation. Documentation is issued based on sign-in sheets. **It is your responsibility to be certain that your signature is on the appropriate sign-in sheet.**

Wednesday, October 7

After dinner

Achieving Positive Outcomes When Interacting with the Public

Dennis Gilbert, a business coach and student of human nature, will lead you to discover new opportunities for success through effective communications and one-on-one interactions.

Inspection Skill Building

Thursday, October 8

8:00 am - 5:00 pm

Performing Residential Electrical Inspections (906)

Participants will gain or expand their understanding of the 2006 IRC rules and how to apply them in everyday situations. Updated to cover the changes found in the 2009 IRC, this session provides clear, concise discussions focusing on the installation, design and inspection of electrical systems in one and two family dwellings. Examples of installations and systems depicted with clear diagrams and real world photos of installations and systems contribute to enhanced inspection skill development.

Bring your 2006 IRC or 2009 IRC

Commercial Mechanical Plan Review (907)

This program is based on the 2006 International Mechanical Code. Participants learn how to apply the code to difficult situations so they know when conditions do, or do not, meet the intent of the code. With instructor guidance, blueprints depicting commercial buildings are examined by the participants. These drawings include intentional errors and omissions to demonstrate the process of identifying code violations and designer oversights commonly found in construction documents.

Bring the 2006 International Mechanical Code and 2006 International Fuel Gas Code and a calculator.

Metal Plate Connected Wood Trusses (910)

The wide-ranging discussions in this session explore wood truss construction & fire performance. "How-to" topics include how to read a truss design drawing and how to read a truss placement diagram. Participants will learn a seven-step truss inspection process. Discussion is based on the 2008 BCSI.

8:00 am - Noon

Sprinkler Issues - 2 (908)

This interactive session will explore two aspects of the interrelationships of sprinklers and the code enforcement community. Bring your questions and plan to share your real-world experiences.

- Rural Sprinkler Issues addresses rumors about the components and costs related to well-supplied sprinkler systems.
- Practical Tips for Inspecting Sprinkler Installations presents insights from both installers and code officials on easily missed and not so easily caught installation issues.

Wood Use in Noncombustible Construction (909)

This session discusses the use of wood in noncombustible types of construction. The technical characteristics and building code related applications of fire-retardant-treated wood are also presented. Emphasis is placed on the requirements of the International Building Code which regulates the use of wood in construction and limits the applications of combustible materials on the basis of fire and life safety. Participants will learn the options available for using Fire-Retardant-Treated Wood in lieu of combustible materials.

1:00 pm - 5:00 pm

Commercial Kitchen Hoods and Wet Chemical Suppression Systems (911)

This session begins with an overview of the code requirements for kitchen hoods in commercial installations. Building on this foundation, plan review, installation requirements and installation and final inspection testing will be discussed. The requirements for recurring inspection, testing, service and maintenance will also be covered. This class will be packed with information and feature videos, pictures, equipment demonstrations, and exercises to reinforce the lessons. Bring your 2006 International Mechanical Code and 2002 NFPA 17A.

Understanding, Permitting and Inspecting Emerging Insulation Technologies (912)

This session explores a range of emerging insulation technologies, their constituent materials' performance, and proper installation practices. The relationship between building science and code provisions and implementation will be presented. Learn the key items to check in a variety of insulation materials and settings.

Inspection Skill Building

Friday, October 9

8:00 pm - Noon

Administrative Issues in the Code Office Roundtable (913)

This fast-paced round table discussion looks at real world success stories of things that worked (and those that didn't) in day-to-day practice. Six code officials from across the state will share what they have learned about the code office, both in the office and in the field. Come to learn and to share. If it is administration related, it is fair game for this discussion!

Passive Fire Protection Materials (914)

This session explores the connected relationships within the I Codes for commercial construction regarding penetration seals for mechanical, plumbing and cables, construction joint treatments, walls, floors and ceilings, exhaust ducts, smoke evacuation and chemical fume exhaust, stairwell pressurization, trash and linen chutes, and return air plenums. The role of insulation as a component of fire protection systems will be explored.

Sprinkler Installation Inspection and

Side-by-Side Demo Burn (915)

This hands-on session begins with a briefing and inspection of a down-sized sprinkler installation and inspection debriefing. Following comments by the State Fire Commissioner, two structures, one sprinklered and one not sprinklered, will be set alight to dramatize the effectiveness of sprinklers.

PENNBCO appreciates the participation and cooperation of the State Fire Commissioner, the National Fire Sprinkler Association, the State Residential Fire Sprinkler Coalition, and Rowe Sprinkler Systems, Inc.

Green (LEED) Building Briefing and Tour (916)

This session will begin with a LEED briefing and will be followed by a tour that will explore the mechanical, insulation and construction practices found in Green (LEED) building.

Participants should dress appropriately for a construction site. **Bring your own safety gear such as hard hats and foot and eye protection.** The owner can exclude anyone who arrives without appropriate gear. **NO SAFETY GEAR WILL BE AVAILABLE ON SITE.**

Participants must sign a confidentiality statement that bars them from identifying the site when, in the future, they discuss the field trip and what they saw and learned.

Help PENNBCO GROW!

Win Some Green!

Members who recruit other members will be entered into a drawing for a prize. You can increase your chances of winning by sponsoring new members who also attend the conference. See below for entry information.

For each member you sponsor who has not attended the conference in the last two years, you get 1 entry.

For each new member you sponsor who also attends the conference, you get 2 entries.

Minimum prize is a \$50 gift card...the prize grows as the number of sponsorships received grows.

RECOGNITION • GOLF • LODGING

Recognition

The Pat Campanella “Code Official of the Year” Award

Nominees for this award must be Active Members in good standing. Nominees should display “The High Ideals of Leadership and Dedication to Their Community and the Pennsylvania Building Officials Conference.” Judging is based on their involvement in and support of their home community, the regional PENNBOC chapter and the state association. The winner will receive a plaque memorializing this high honor and designation.

This award is named for Pat Campanella, a code enforcement official who spent many years serving the State Executive Committee and his home territory in Region 2. Pat worked hard to promote membership and educational opportunities for our association. He served as State President in 1980 and became the first recipient of this award in 1982.

Nominations close on September 10. Judging is done by the Board of Directors, and the award is presented at the annual conference in October.

For more information and a registration form, go to PENNBOC.org. Download, print and follow the easy instructions on the form.

Golf

Fellowship



____ YES, register me for the Tuesday, October 6, 2009 golf event @ \$60 per player. Price includes greens fees, cart, lite lunch and prizes! Prepayment is required. Participants will be notified of their assigned start times and directions to the course.

I will be playing with[†]: _____

[†]If no one is selected, your foursome will be assigned.

Print your name here: _____

Include this form (and payment) with your conference registration.



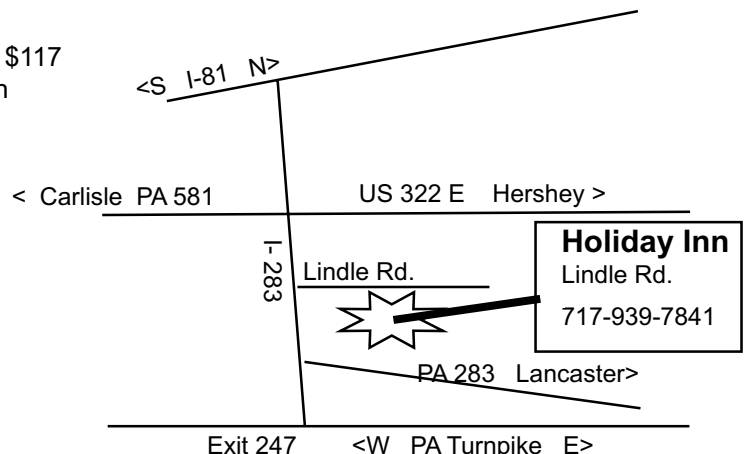
Lodging

Conference Headquarters

Conference headquarters is the Harrisburg East Holiday Inn. The hotel is located on Lindle Road, off I-283, 2 miles N. of the PA Turnpike's Harrisburg East exit (#247). All conference activities will take place at this hotel. Make your reservation by calling the hotel at 717-939-7841. Ask for the “PENNBOC” block.

Room Rates

Single room rate is \$109 per room; double occupancy is \$117 per room. This rate includes a breakfast following each night's stay. Applicable taxes are additional. For information on suites, contact the hotel directly.



Conference Registration Form (mail w/ payment to PENNBOC)

Rev 2

Name _____ Title _____

Employer _____ Your ICC member # _____

Mailing Address _____

City/St/Zip _____

Work Phone _____ Fax Number _____ Email Address _____

Arrival Date _____ Companion Name _____

Are you currently a member of PENNBOC? Yes No If no, **why not join now and save** on conference registration fees? Go to PENNBOC.org, download the membership application and enclose the completed form. Add the dues amount below and remit the total payment with either credit card or check.

I was "sponsored" by (print name) _____

Seminar Registration

Please indicate your first, second and third choice for each day of seminars. Every effort will be made to get you in your seminar of first choice, however, if a seminar fills up, you may be given your second or third choice. Seminar assignments will be made in the order in which registrations are received.

Wednesday, October 7, 2009

- ___ Property Maintenance Codes (901)
- ___ Disarming Fire & Burglar Alarm (902)
- ___ Sprinkler Issues - 1 (903)
- ___ Legal Issues (904)
- ___ Rated Doors and Openings (905)

Thursday, October 8, 2009

- ___ Residential Electrical Inspec. (906)
- ___ Comm. Mech. Plan Review (907)
- ___ Sprinkler Issues - 2 (908)
- ___ Wood in Noncombustible (909)
- ___ Wood Trusses (910)
- ___ Commercial Kitchen Hoods (911)
- ___ Emerging Insulation Issues (912)

Friday, October 9, 2009

- ___ Admin. Issues in the Office (913)
- ___ Passive Fire Protection (914)
- ___ Sprinkler Installation Inspection (915)
- ___ Green Building Brief and Tour (916)

Fees & Payment

THIS IS THE ONLY BILL YOU WILL RECEIVE. THIS REGISTRATION FORM IS YOUR INVOICE. PAY FROM THIS FORM.

Full Conference (3-day) Registration Fee¹ Member Fee \$329 Non-member Fee \$429

¹Includes all education, 2 lunches, 2 dinners, breaks and access to vendor area. \$ _____

Wednesday or Thursday Reg. Fee² Members \$169/day Non-members \$229/day (Check appropriate days below.)

²Includes education for days selected, morning and afternoon breaks, lunch, and access to exhibit area.

___ Wednesday³ ___ Thursday³ \$ _____

³ **Wednesday or Thursday Dinner** (\$45 each for day registrants staying for dinner) **CIRCLE CHOICE W T** \$ _____

Friday Reg. Fee⁴ Members \$75 Non-members \$100 ⁴Includes AM break and session.

Additional Meal Package \$140 (Wednesday Lunch & Dinner, Thursday Lunch & Dinner & breaks) \$ _____

New Member Dues \$45 (attach form from PENNBOC.ORG & indicate dues amount) \$ _____

Golf (Prepayment is required. Use separate form to indicate preferred player groups.) (\$60/player) \$ _____

Total Enclosed/Balance **PAY FROM THIS FORM.** \$ _____

CREDIT CARD PAYMENT

IF PAYING BY CREDIT CARD, please complete the registration form above and, if necessary, the golf/testing registration form as well. **ALSO COMPLETE THE CREDIT CARD AUTHORIZATION FORM elsewhere in this document.**

For Credit Card Transactions ONLY, you may fax (717-730-9300) or mail ALL of the completed forms to PENNBOC.

Thank you!

CHECK PAYMENT

Make **checks payable to PENNBOC.**

Mail completed forms & payments to:

PENNBOC

#269

4902 Carlisle Pk.

Mechanicsburg, PA 17050

You may pay for multiple registrants with one check or credit card transaction provided all names appear on the check and that all forms and the check are in the same envelope.

PAY FROM THIS FORM. THIS IS THE ONLY BILL YOU WILL RECEIVE. THIS REGISTRATION FORM IS YOUR INVOICE.

We do not issue invoices or process purchase orders.

Pennsylvania Building Officials Conference

#269, 4902 Carlisle Pike, Mechanicsburg, PA 17050

717-730-6036 (VOICE) 717-730-9300 (FAX)

Credit Card Payment Authorization Instructions

- Enter the appropriate amounts for the desired transactions/purchases.
- Do any necessary addition and enter the total due/**Balance** where indicated.
- Complete the Credit Card Payment information box at the bottom of this sheet.
- Mail or fax the completed forms to PENNBOC.

For training, conferences, test registration, new or renewal memberships, or other purposes, additional sheets may be necessary to provide detailed information regarding those transactions.

Training

Title & Location: _____ \$ _____

Title & Location: _____ \$ _____

Membership

New member dues ----- \$ _____

Membership renewal ----- \$ _____

Conference and all conference related events ----- \$ _____

Certification testing if not at the Conference Site ----- \$ _____

Total Due/ BALANCE (Amount will be billed to credit card below) ----- \$ _____

Cancellation/Refund/Return Policies:

Written cancellation must be received 5 working days prior to event's date or first day of multi-day event. Training or Conference registration fee will be returned minus a \$25 processing fee. With less than 5 day's notice, the portion of the payment related to food and all unrecoverable expenses is also forfeited; any balance may be applied to future training. No refund of any balance will be made. Exhibit space if resold: \$25 processing fee plus all unrecoverable expenses are forfeited; balance may be applied to future conference or may be refunded.

Membership: There are no refunds for dues.

Merchandise & Literature: Merchandise and literature are nonrefundable; defective merchandise will be replaced at PENNBOC's expense.

CREDIT CARD PAYMENT

I / we allow the above named organization to charge the Balance indicated above to this credit card: NAME & ADDRESS MUST MATCH CARD INFO.

Printed Name _____

Title _____

Address _____

City/St/Zip _____

Authorized Signature _____

Circle Card Type **MASTERCARD** **VISA** **DISCOVER**

Card No: _____

Expiration Date: ____ MM/YY

CVV # ____ (last three digits in the signature line on the back of your card)

Check here to receive a faxed copy of this credit card transaction sent to:
(____) _____ - _____ [enter your fax #].

OFFICE USE ONLY

Date rec'd ____/____/____

Date charged ____/____/____

Authorization _____

Processed by _____