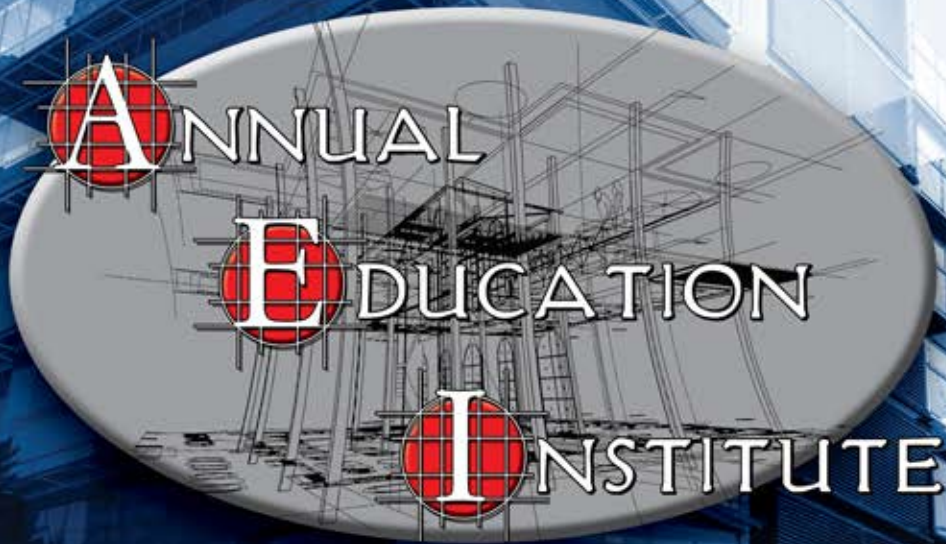




2022



March 21 - 24, 2022

20th Anniversary



“Leading the way to excellence in building and life safety”

*Engineers, Architects, Contractors, and
Design Professionals Welcome*

**Register
Early!**

Vendor Sponsorship

2022 Annual Education Institute

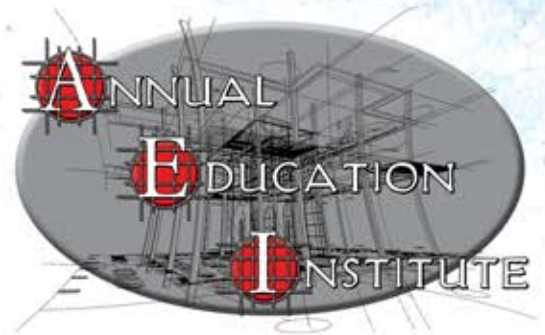
March 21-24, 2022

WABO is offering vendors an opportunity to exhibit their products or services by becoming a WABO Annual Education Institute (AEI) Vendor. You are invited to set up your display for as many days as you would like. WABO uses sponsorship fees to keep registration fees low by defraying the expense of training and food service in order to provide training for more people. Last year, we averaged over 325 people per day attending the WABO Annual Education Institute.

A six-foot skirted table, two chairs, and lunch for two are included. You may bring your own display. The cost per day is \$250. Sign up early as spaces will be assigned on a "first come, first served" basis. Sign up online at www.wabo.org

WABO AEI VENDOR BENEFITS:

- Choice of day your products or services will be displayed
- Narrow the focus of participants to a few vendors each day
- More one-on-one interaction
- Recognition as a WABO sponsor throughout the year



Thank you 2021 AEI Vendor Sponsors!



The WABO Bookstore

The WABO Bookstore will not be on site at the 2022 Annual Education Institute. Be sure to order your Code books online at www.wabo.org Please take into account all processing and shipping times for your orders.

Registration Information

Please register online at wabo.org. Multiple registrations can be e-mailed directly to WABO via email at wabo@wabo.org. Multiple registrations can be submitted on an excel spreadsheet and must include attendees name, e-mail address, and all individual classes they are attending. Attendees are responsible for bringing the appropriate code book(s) to class. Classes may be canceled if not enough registrations are received. **Registration fees must be paid prior to attendance.**

Cancellation, Refund & Substitution Policy

Submit all requests to WABO via email at wabo@wabo.org. All registration cancellations and refund requests must be received in writing by March 11, 2022, to receive a full refund, less a \$25 administrative fee. Refunds cannot be approved for requests received after this date, to include no-shows. Substitutions are gladly accepted at any time.

Institute Handouts & Education Certificates

Class handouts will be sent electronically to each attendee prior to the class. It will be up to the attendee to print a paper copy or download the materials to their personal computer.

Class sessions are from 8:30 am to 4:30 pm with a lunch provided. Participants are eligible to receive .7 ICC Preferred Provider CEU's per class. Attendees must sign the attendance roster for each class in order to receive a Certificate of Completion. Certificate of Completions will be sent to attendees **after** the conclusion of the Annual Education Institute.

Event Cancellation or Postponement

WABO reserves exclusive right to modify, postpone/reschedule, or cancel programs for any reason, including but not limited to emergency, inclement weather, or other 'acts of God'. If there is an event cancellation, every attempt will be made to reschedule and registration fees will be applied to the rescheduled date. Any travel, lodging, or incidental expenses incurred related to a cancelled event cannot be refunded under any circumstances. If a cancelled event cannot be rescheduled, WABO will determine an equitable basis for the refund of a portion or all of the registration fees, after due consideration of circumstances and expenditures.

Consent to Use of Photographic Images

Registration and attendance at, or participation in, WABO meetings and other activities constitutes an agreement by the registrant to the use and distribution of the registrant or attendees' image or voice in photographs, videotapes, electronic reproductions, and audiotapes of such events and activities by WABO and other third parties, including but not limited the venue, the host city, and the host Convention and Visitor's Bureau.

LYNNWOOD CONVENTION CENTER



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FREE PARKING

All room blocks below are limited to first come first serve.
So reserve early to guarantee your room and price!



19332 36TH AVENUE W
LYNNWOOD, WA 98036

HOTEL NUMBER
(425) 775-7600

AMENITIES:

- Free Parking
- Coffee Maker
- Non-Smoking
- Refrigerator
- Iron & Ironing Board
- Complimentary Full Breakfast
- Free High Speed Internet Access
- Seasonal Outdoor Pool & Hot Tub

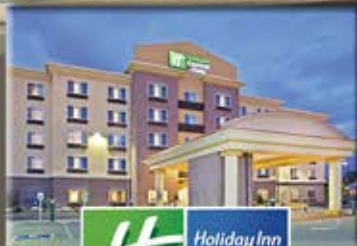
King or Double Queen

Reserve rooms under "WABO AEI" for the special rate!

\$80 / night

Prices exclude taxes. Limited availability.

Rm Block Ends 3/18/22



2515 196TH ST SW
LYNNWOOD, WA 98036

HOTEL NUMBER
(425) 672-1234

AMENITIES:

- Free Parking
- 24 Hour Front Desk Assistance
- Non-Smoking
- Free Coffee In Lobby
- Free Breakfast Buffet
- Free Hi Speed Internet In all Rooms
- Heated Indoor Pool
- Fitness Center
- On-Site Self-Laundry

Double Queen Standard

Reserve rooms under "WABO" for the special rate!

\$109 / night

Prices exclude taxes. Limited availability.

Rm Block Ends 3/7/22



19324 ALDERWOOD MALL PARKWAY
LYNNWOOD, WA 98036

HOTEL NUMBER
(425) 771-1888

AMENITIES:

- Complimentary Hot Breakfast Buffet
- Complimentary Self Parking
- Complimentary Business Center Services
- Complimentary Laundry Facility (washer & dryer)
- Fitness Center
- Indoor Swimming Pool & Hot Tub
- Pet Friendly
- Non-Smoking

Single Occupancy

Reserve rooms under "WABO 2022 Conferene - Group Code WBO" for the special rate!

\$129 / night

Prices exclude taxes. Limited availability.

Rm Block Ends 2/21/22



20610 44TH AVE W
LYNNWOOD, WA 98036

HOTEL NUMBER
(425) 775-2500

AMENITIES:

- Free Parking
- On site restaurant & bar serving dinner (Su-Th 5pm-9pm)
- Newly renovated large 2 room suites
- Precor fitness facility (open 24 hours)
- Indoor Pool & Whirlpool
- Nightly reception (complimentary beer, wine, cocktails, & light appetizers)
- Daily hot buffet breakfast (M-F 6am-9am)

King Suite or Double Queen Suite

Reserve rooms under the "WABO AEI Block" for the special rate!

\$142 / night

Prices exclude taxes. Limited availability.

Rm Block Ends 3/6/22

Best Tips & Tricks in Residential Plan Review, HVAC, & Energy Code Inspections

INSTRUCTORS: Dan Wildenhaus - TRC Companies
Jonathan Jones - WSU Energy

LEVEL: Beginning / Intermediate

RECOMMENDED MATERIALS: Familiarize yourself with Washington Residential Energy Code Tables 406.2 & 406.3.

This class will be divided into two segments, a morning class and an afternoon class. The morning class will cover the plans review phase with some general rules of thumbs as well as some tricks & tips to ensure compliance. Some examples include Manual J and S review. The afternoon class will cover energy code in the "wild" with a video conference inspection covering items that need to be inspected as well as good guidance and tips & tricks including the 10 +/- minute energy code walk through.

Objectives: #1: Plans phase tools & approaches to assess permit & design compliance
#2: Cheat sheets & rules of thumb to quickly identify plans or proposals that need closer inspection
#3: Inspection phase compliance tools and a video guided tour

Target Audience:

Building Officials Inspectors Plans Examiners Permit Technicians Architects Fire Marshals
 Designers Engineers Contractors Other Professions:

Washington Safety Assessment of Facilities Evaluators Program (WAsafe): Building Safety Evaluations R US

INSTRUCTORS: Erik Bishop, PE - Reid Middleton

LEVEL: Beginning / Intermediate

Tim Blevins - Seattle Department of Construction & Inspections (SDCI)

Benjamin Enfield - Seattle Department of Construction & Inspections (SDCI)

REQUIRED/RECOMMENDED MATERIALS: ATC-20 Field Manual (minimum); ATC-45 Field Manual (optional) * Available through Applied Technology Council (<https://store.atcouncil.org/>) or the *WABO Bookstore* *

We're all familiar with natural disasters, but mostly from a distance. The Pacific Northwest has seen wildfires in recent years, but has not otherwise experienced a widespread damaging event for many years. WAsafe was formed to organize and train a cadre of construction industry professionals to provide assistance to local jurisdictions when they are called upon to determine whether buildings are safe enough to occupy.

This full-day course will cover the basics of building safety evaluations for a variety of hazards, based on building safety evaluation programs for earthquakes, windstorms and floods (ATC 20 & ATC 45), using examples from real events. The class will also cover response to landslides, fires, and other hazards. Students will also be introduced to the statewide process for volunteer emergency worker enrollment and dispatching being coordinated through WAsafe. Taking this course is one of the requirements for those who wish to enroll in the WAsafe program, or for those whose enrollments are expiring and want to renew.

This class is appropriate for any building department staff and design professionals, as well as newcomers to emergency response and those who just need a 5-year refresher. How prepared are you to respond to an emergency event in your community? This class will help you develop the knowledge and skills to prepare for and respond to a damaging event.

Target Audience:

Building Officials Inspectors Plans Examiners Permit Technicians Architects Fire Marshals
 Designers Engineers Contractors Other Professions:

Register Online at www.wabo.org

Monday - March 21 (continued)

So, You Want to be A Building Official?

INSTRUCTOR: Steve Burger, CBO, LEEP AP

LEVEL: Beginning / Intermediate / Advanced

REQUIRED MATERIALS: N/A

This class is designed for any Building Department employees who would like more information on just what it takes to be a successful Building Official **OR** Manager/Supervisor. The class will discuss basic decision-making, legal and ethical topics, customer service, image of the Building Department and its employees, political issues, professional development, dealing with the media, staffing, and budgeting. The discussion will be kept at a level that can be understood by all attendees and will encourage an abundance of input and discussion.

This class will cover the basics of what is required to be a Building Official including politics, personnel issues, budgeting, image, dealing with the public, professional development, staffing, dealing with the media, management, ethics, and basic legal matters. Class participation is encouraged.

Objectives: #1: Understand the role of the Building Official
#2: Navigate through political issues
#3: Determine staffing needs
#4: Understand the basic budgeting process

#5: Understand management styles
#6: Determine the image of the Building Official
#7: Understand basic legal and ethics principles
#8: Understand how to deal with the media

Target Audience:

- | | | | | | |
|--|--|---|--|-------------------------------------|--|
| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input checked="" type="checkbox"/> Permit Technicians | <input type="checkbox"/> Architects | <input type="checkbox"/> Fire Marshals |
| <input type="checkbox"/> Designers | <input type="checkbox"/> Engineers | <input type="checkbox"/> Contractors | <input checked="" type="checkbox"/> Other Professions: Code Enforcement Officers or Department Directors | | |

Fire Sprinkler Plan Review & Inspections

INSTRUCTOR: Tony Doan - Washington Code Academy, LLC

LEVEL: Beginning / Intermediate

REQUIRED MATERIALS: 2018 International Fire Code

This 1-day course will cover fire sprinkler plan review and inspection tips and techniques that can be utilized out in the field and in the office during the review process. The objective for this class will be to increase familiarity with these systems and gain an understanding of how they work and what terms and devices are unique to the fire sprinkler industry. There will also be a "hands-on" portion that will allow participants to see some of the items discussed throughout the course.

Target Audience:

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| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input checked="" type="checkbox"/> Permit Technicians | <input type="checkbox"/> Architects | <input checked="" type="checkbox"/> Fire Marshals |
| <input type="checkbox"/> Designers | <input type="checkbox"/> Engineers | <input type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |

Join Us In Beautiful **LEAVENWORTH** for the **WABO SPRING MEETING!**



APRIL 21-22, 2022

Check www.WABO.org for updates on registering.
Scholarships available for first-timers!

Register Online at www.wabo.org

Monday - March 21 (continued)

Permit Technician Leadership

INSTRUCTOR: Steve Thomas - *Shums Coda*
REQUIRED MATERIALS: N/A

LEVEL: Beginning / Intermediate

The class focuses on the methods to break the communication gaps between building department professionals and the community we serve. Attendees will discover how to build strong teams within their own operation and provide better service and deal with difficult clients. Effective communication contributes to an individual's success as well as the success of an organization. When one considers that public relations in nothing more than perception and in public relations, perception is reality. The image of the building department professional is extremely important in the maintaining respect, dignity, and ethical standards that is expected of a public servant.

Target Audience:

- Building Officials
- Inspectors
- Plans Examiners
- Permit Technicians
- Architects
- Fire Marshals
- Designers
- Engineers
- Contractors
- Other Professions:

Tuesday - March 22

Bluebeam Revu - Workshop for Permit Technicians

INSTRUCTORS: Janise Goucher - *City of Kirkland*
Jozanne Moe - *City of Kirkland*

LEVEL: Beginning

REQUIRED/RECOMMENDED MATERIALS: Wi-Fi capable laptop with Bluebeam software. The Lynnwood Convention Center has free Wi-Fi *

battery backup (recommended)

With a practical electronic permitting and document review approach to the application of the MyBuilding-Permit Training Committee will guide class participants through an in-depth practical review of examples. Throughout the discussion and demonstration of the many features of the program, presenters will provide helpful tips, tricks, and best practices for making the most of the program.

of the MyBuilding-Permit Training Committee will provide helpful tips, tricks, and best practices for making the most of the program.

- Objectives:
- #1: Have a **basic** understanding of Bluebeam Revu concepts & best practices
 - #2: Introduction & PDF Basics
 - #3: Navigation & Screen Capture
 - #4: Creating Markups
 - #5: Setting up a Tool Chest
 - #6: Creating Stamps
 - #7: PDF Markups
 - #8: Studio - Projects & Sessions -- Basic collaboration
 - #9: Markups List Overview
 - #10: Preparing Documents for Issuance

This presentation is geared toward Permit Technicians who have no to little experience with the program and would like to know more about how it can better enhance their electronic document workflow and permit issuance.

Target Audience:

- Building Officials
- Inspectors
- Plans Examiners
- Permit Technicians
- Architects
- Fire Marshals
- Designers
- Engineers
- Contractors
- Other Professions:



NEED A CODE BOOK?

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www.WaboBookstore.org

Register Online at www.wabo.org

Tuesday - March 22 (continued)

Sustainable Energy Systems, What You Need to Know in the Building Code (AM Session)

INSTRUCTOR: Chris Jensen - UL

LEVEL: Intermediate

REQUIRED MATERIALS: International Building Code; International Residential Code; International Fire Code

Sustainable energy systems are becoming more prevalent in modern building design and construction. National efforts for sustainability are driving changes in the model codes to address the installation and hazards associated with electric vehicle charging systems, photovoltaic systems, and energy storage systems. Installation, location, energy quantities, etc... of sustainable energy systems will be covered in this presentation. This course will cover the requirements for sustainable energy systems that are found in the International Building Code, International Residential Code, and International Fire Code. This course will be geared for inspectors, plans examiners, designers, and installers.

Target Audience:

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| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input type="checkbox"/> Permit Technicians | <input checked="" type="checkbox"/> Architects | <input checked="" type="checkbox"/> Fire Marshals |
| <input checked="" type="checkbox"/> Designers | <input type="checkbox"/> Engineers | <input checked="" type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |

RWC, WAC Rules, & the Washington Cities Electrical Code (PM Session)

INSTRUCTOR: Tim Hingtgen, ME, CEI - City of Bellevue

LEVEL: Intermediate

CODES REQUIRED: Download WAC Rules from L&I and WCEC from MyBuildingPermit.com

This course will provide residential and commercial inspectors with an overview of the basic code requirements for electrical construction. We will review the current adopted Revised Code of Washington (RCW) 19.28, which establishes the electrical inspection program in the State of Washington. We will then review the Washington State Electrical Code, which is called the Washington Administrative Codes (WAC). Cities that perform electrical inspections are required to enforce a standard that is equal, higher or better than the WAC rules so we will also be reviewing the Washington Cities Electrical Code (WCEC). This 4-hour class is a required class for electricians to renew their electrical certifications.

Target Audience:

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| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input type="checkbox"/> Permit Technicians | <input type="checkbox"/> Architects | <input type="checkbox"/> Fire Marshals |
| <input checked="" type="checkbox"/> Designers | <input checked="" type="checkbox"/> Engineers | <input checked="" type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |

SAVE THE DATES FOR NEXT YEAR!



LYNNWOOD CONVENTION CENTER MARCH 20-24, 2023

Register Online at www.wabo.org

Tuesday - March 22 (continued)

Hazardous Material & High-Piled Combustible Storage In the Fire Code

INSTRUCTOR: Tony Doan - Washington Code Academy, LLC

LEVEL: Beginning / Intermediate

REQUIRED MATERIALS: 2018 International Fire Code

This 1-day class is a 2-part course covering some of the more difficult-to-navigate sections in the International Fire Code: Chapter 50 Hazardous Material & Chapter 32 High-Piled Combustible Storage. Class participants will learn how to navigate Chapter 50 utilizing the maximum allowable quantities per control area tables and understand the intent and purpose of this chapter. Also covered in this course is how to utilize SDS information & other portions of the code that apply. Chapter 32 course material will cover how to utilize the significant changes in the 2018 IFC to navigate this chapter efficiently. Including but not limited to Table 3203.8, Table 3206.2, & Figures 3203.9 (1&2).

Target Audience:

- Building Officials Inspectors Plans Examiners Permit Technicians Architects Fire Marshals
 Designers Engineers Contractors Other Professions:

Intermediate Hands On Plan Review

INSTRUCTOR: Marty Gillis - WC-3

LEVEL: Intermediate

REQUIRED MATERIALS: 2018 International Building Code; Calculator; Laptop (if desired); Note taking supplies

This course was developed to provide basic understanding of non-structural plan review covering the most common building permit applications. The course will utilize hands on examples and provide an organized approach to calculating occupant load, building area, classifying type of construction, and gaining other essential skills applicable to many of the buildings regulated by the IBC. In addition, definition of terms and an exploration of some of the basic philosophies used to protect occupants will be presented. Through this highly interactive course, participants will gain the knowledge to confidently provide plan review meeting the most common IBC life safety requirements.

Target Audience:

- Building Officials Inspectors Plans Examiners Permit Technicians Architects Fire Marshals
 Designers Engineers Contractors Other Professions:

ICC A117.1 - 2017 Update

INSTRUCTOR: Steve Thomas - Shums Coda

LEVEL: Beginning / Intermediate

REQUIRED MATERIALS: N/A

This class will review the revisions to the 2021 International Building Code and the 2017 ICC A117.1 Accessibility requirements. The discussion will include the turning space and clear floor space requirement that will have a significant impact on new buildings. We will also discuss the new requirements for automatic doors, motor vehicle related facilities, and assisted toileting & bathing facilities. The background behind the changes will be provided.

Target Audience:

- Building Officials Inspectors Plans Examiners Permit Technicians Architects Fire Marshals
 Designers Engineers Contractors Other Professions:

Register Online at www.wabo.org

Bluebeam Revu - Workshop for Beginners

INSTRUCTORS: Janise Goucher - *City of Kirkland*
Steven Sturza - *City of Auburn*

LEVEL: Beginning

REQUIRED/RECOMMENDED MATERIALS: Wi-Fi capable laptop with Bluebeam software installed. Laptop battery backup (recommended) *The Lynnwood Convention Center has free Wi-Fi *

With a practical electronic permitting and document review approach to permit review, members of the MyBuilding-Permit Training Committee will guide class participants through an in-depth review of the permit review process. Throughout the discussion and demonstration of the many features of the program, your presenters will provide helpful tips, tricks, and best practices for making the most of the program.

- Objectives:**
- #1: Have a **basic** understanding of Bluebeam Revu concepts & best practices
 - #2: Introduction & Permissions
 - #3: Navigation & Screen Layout
 - #4: Markups -- Getting Started
 - #5: Web Help -- Access & Navigation
 - #6: Studio -- Projects & Sessions -- Basic Collaboration
 - #7: Document Setup Options
 - #8: Markups List Overview
 - #9: *Bonus Material -- Time Permitting!*

This presentation is geared toward an audience who have never worked with the program and would like to know more about how this software tool can better enhance their electronic document review workflow.

Target Audience:

- | | | | | | |
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| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input checked="" type="checkbox"/> Permit Technicians | <input checked="" type="checkbox"/> Architects | <input checked="" type="checkbox"/> Fire Marshals |
| <input checked="" type="checkbox"/> Designers | <input checked="" type="checkbox"/> Engineers | <input checked="" type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |

What It Takes to Become a Professional Inspector

INSTRUCTOR: Al Jongsma, *Retired Building Official - City of Burlington*

LEVEL: Beginning / Intermediate

REQUIRED MATERIALS: NA

This course was designed for individuals responsible for field inspections, anyone who interacts with the public as a code regulator, and understanding the "why" for what we are asking the public to do.

We will talk about who we interact with and learn how to identify and mitigate the negativity that we are constantly exposed to. The class will focus on identifying and understanding the many skillsets needed as inspectors such as: political, professional, educational, negotiator, etc. and the "wisdom" that will be gained from applying these tactics to your profession. We will also use real life examples for how to use these different skill sets for the best outcome possible for many different scenarios we are constantly faced with, as well as learning how to gain and maintain at all times.

The seminar will end with a break down, understanding, and discussion of how these skillsets were needed/used to deal with a complicated and high-profile enforcement situation that the City of Burlington has been dealing with the last few years and how the final accomplishments couldn't have been done without them.

Target Audience:

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| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input type="checkbox"/> Permit Technicians | <input type="checkbox"/> Architects | <input checked="" type="checkbox"/> Fire Marshals |
| <input type="checkbox"/> Designers | <input type="checkbox"/> Engineers | <input type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |

Wednesday - March 23 (continued)

Fundamentals of Structural Engineering for Building Officials - Day 1 (Load Paths & Wood Framed Construction)

INSTRUCTOR: Chris Kimball, SE, MCP, CBO - WC-3
REQUIRED MATERIALS: N/A

LEVEL: Intermediate / Advanced

This seminar will focus on the structural requirements of the 2018 IBC, as adopted by the State of Washington, and its referenced standards. Day one will address both the gravity and lateral load paths as well as wood-framed construction requirements. The presentation will highlight specific IBC requirements in addition to ASCE 7, the NDS, SDWPS, and other referenced standards. Minimum submittal requirements will be discussed as well as common design and construction errors in relation to wood-framed construction.

Target Audience:

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| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input type="checkbox"/> Permit Technicians | <input type="checkbox"/> Architects | <input type="checkbox"/> Fire Marshals |
| <input checked="" type="checkbox"/> Designers | <input checked="" type="checkbox"/> Engineers | <input type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |

Resistance is Futile... Unless Its Done Right! (A Hands On Approach to Fire Resistance & Firestopping)

INSTRUCTOR: Jon Roberts - UL
Mark St Onge - UL

LEVEL: Beginning

RECOMMENDED MATERIALS: Tablet, laptop, or smartphone. www.ul.com/piq prior to class

This is intended to be a day of hands-on learning with quick guidance using UL's on-line tool, UL ProductIQ, to locate and understand fire rated assemblies. Participants will be assembling small scale models of fire resistant walls using pre-constructed wall sections on their tables followed by "inspection" of the installations to determine if the firestopping is done in accordance with proper design criteria.

Target Audience:

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|--|--|---|---|--|---|
| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input type="checkbox"/> Permit Technicians | <input checked="" type="checkbox"/> Architects | <input checked="" type="checkbox"/> Fire Marshals |
| <input type="checkbox"/> Designers | <input checked="" type="checkbox"/> Engineers | <input checked="" type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |



Interested in joining the network of
professionals trained as WAsafe volunteers,
ready to respond to communities in need in WA State?



To enroll as a WAsafe volunteer & to see minimum qualifications, view WAserv Registration Procedures at <https://www.wabo.org/emergency-responders-wasafe>

Register Online at www.wabo.org

Wednesday - March 23 (continued)

Fire Rated Assemblies, Firestopping, and Joint Systems

INSTRUCTOR: Steve Thomas, CBO - Shums Coda

LEVEL: Intermediate

REQUIRED MATERIALS: N/A

This seminar will focus on the different types of fire-resistant rated assemblies and systems required by the International Building Code. Resources on identifying different systems will be discussed. The seminar will also discuss the plan review and inspection of such assemblies and systems.

Target Audience:

- | | | | | | |
|--|--|---|--|--|---|
| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input checked="" type="checkbox"/> Permit Technicians | <input checked="" type="checkbox"/> Architects | <input checked="" type="checkbox"/> Fire Marshals |
| <input checked="" type="checkbox"/> Designers | <input type="checkbox"/> Engineers | <input checked="" type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |



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The ability to network with code officials from around the state.

Full time association management staff.

Regular newsletters including articles, legislative analyses, & other building department
industry related information.

And much more!

Register Online at www.wabo.org

Wednesday - March 23 (continued)

Advanced Hands On Plan Review

INSTRUCTOR: Marty Gillis - WC-3

LEVEL: Advanced

REQUIRED MATERIALS: 2018 International Building Code; Calculator; Laptop (if desired); Note taking supplies

This course was developed to provide training of advanced topics for more complex building permit applications. Participants are encouraged to have previously acquired basic plan review skills prior to attending this course. This course will utilize hands on examples & provide an organized approach to calculating complexed occupant load, complex means of egress, building area of more complex buildings such as those having fire walls, podium buildings, classifying type of construction, fire rated assemblies, & other essential skills applicable to complex buildings regulated by the IBC. In addition, definition of less seldom used terms & an exploration of philosophies used to protect occupants will be presented. Through this highly interactive fast paced course, participants will gain the knowledge to confidently begin to provide plan review of all buildings required to meet the IBC life safety requirements.

Target Audience:

- Building Officials
- Inspectors
- Plans Examiners
- Permit Technicians
- Architects
- Fire Marshals
- Designers
- Engineers
- Contractors
- Other Professions:

Thursday - March 24

Bluebeam Revu - Advanced Tips & Tricks Workshop

INSTRUCTORS: Jozanne Moe - City of Kirkland
Michael Niemer - Snohomish County

REQUIRED/RECOMMENDED MATERIALS: Wi-Fi capable laptop with Bluebeam software installed. External battery backup (recommended) * The Lynnwood Convention Center has free Wi-Fi *

With a practical electronic permitting & document review approach to the application, the instructor committee will guide class participants through an in-depth program of examples. Throughout the discussion & demonstration of the many features of this software, participants will provide helpful tips, tricks, and best practices for making the most of the program.

- Objectives:
- #1: Have a **more advanced** understanding of Bluebeam Revu concepts & best practices
 - #2: Advanced Navigation & Document Search
 - #3: High Performance Markups & Smart Tool Customization
 - #4: Enhanced Review Strategies
 - #5: Advanced Markups & Primary Options
 - #6: Working & Collaborating in Studio
 - #7: Document Preparation for Successful Collaboration
 - #8: Additional Advanced Tricks
 - #9: Bonus Material: Q&A / Recap / Additional One-on-One Help -- Time Permitting!

This presentation is geared toward an audience ranging from those who have worked with the program on a casual basis, to intermediate users who know the basic functionality of the program but would like to know more about how this software tool can better enhance their electronic document review workflow.

Target Audience:

- Building Officials
- Inspectors
- Plans Examiners
- Permit Technicians
- Architects
- Fire Marshals
- Designers
- Engineers
- Contractors
- Other Professions:



Register Online at www.wabo.org

Thursday - March 24 (continued)

It's About the Journey - Navigating the 2018 WSEC Commercial Provisions

INSTRUCTORS: Lisa Rosenow - *Evergreen Technology Consulting*
Duane Lewellen - *Evergreen Technology Consulting*

LEVEL: Beginning / Intermediate / Advanced

RECOMMENDED MATERIALS: Review 2018 WSEC Commercial Existing Building Alterations Training Series on the On-Demand Training Website (<https://www.waenergycodes.com>)

Determining when provisions in the 2018 WSEC apply to a project can be a challenge, particularly for alterations. Building upon our "Super Top 5" trainings that highlighted the most substantive energy efficiency measures under each discipline, we'll run through a series of decision diagrams that step through questions about the scope of a project to determine when WSEC requirements apply. Key topics we'll cover include air barrier testing, DOAS, economizer and TSPR, lighting controls, additional efficiency credits and commissioning.

We'll also provide a "Cool Tool Review." The WSEC commercial webtool is an online resource for designers and contractors to document their project information for a permit submittal. This training will include a general summary of code requirements that the webtool does and does not capture. This will guide how to apply the project output information generated by the webtool to plan review and field inspection.

Target Audience:

- | | | | | | |
|--|--|---|--|--|--|
| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input checked="" type="checkbox"/> Permit Technicians | <input checked="" type="checkbox"/> Architects | <input type="checkbox"/> Fire Marshals |
| <input checked="" type="checkbox"/> Designers | <input checked="" type="checkbox"/> Engineers | <input checked="" type="checkbox"/> Contractors | <input checked="" type="checkbox"/> Other Professions: Code Compliance Consultants | | |

Fundamentals of Structural Engineering for Building Officials - Day 2 (Steel, Concrete, & Masonry Construction)

INSTRUCTOR: Chris Kimball, *SE, MCP, CBO - WC-3*

LEVEL: Intermediate / Advanced

REQUIRED MATERIALS: N/A

This seminar will focus on the structural requirements of the 2018 IBC, as adopted by the State of Washington, and its referenced standards. Day 2 will summarize a few key elements discussed during Day 1, and then will address concrete, masonry, and steel construction requirements. The presentation will highlight specific IBC requirements in addition to ASCE 7, ACI 318, TMS 402/602, AISC 360, AISC 341, AISC 358, and other referenced standards. Minimum submittal requirements will be discussed as well as common design and construction errors in relation to concrete, masonry, and steel construction.

Target Audience:

- | | | | | | |
|--|--|---|---|-------------------------------------|--|
| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input type="checkbox"/> Permit Technicians | <input type="checkbox"/> Architects | <input type="checkbox"/> Fire Marshals |
| <input checked="" type="checkbox"/> Designers | <input checked="" type="checkbox"/> Engineers | <input type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |

Visit Us In **BREMERTON** for the **WABO ANNUAL BUSINESS MEETING!**



JULY 28-29, 2022

At the **KITSAP CONFERENCE CENTER**

Check www.WABO.org for updates on registering.
Scholarships available for first-timers!

Register Online at www.wabo.org

Thursday - March 24 (continued)

Safeguarding the Public With Concrete

INSTRUCTORS: Andy Taylor - *KPFF Consulting Engineers*
Kip Gatto - *Interbay Engineering*
Bruce Chattin - *Washington Aggregates & Concrete Association*
Shamim Rashid-Sumar - *National Ready Mixed Concrete Association*
Tien Peng - *National Ready Mixed Concrete Association*

LEVEL: Intermediate

REQUIRED MATERIALS: N/A

This full day course will include presentations and discussion on various concrete related topics from local industry experts. It will cover changes to the building code requirements of ACI 318-19; requirements and qualifications for individuals sampling, testing, and inspecting cast-in-place structural concrete; the first US code requirements produced specifically for the assessment and repair of reinforced concrete structures, ACI 562. Concrete, as a building block of modern society, provides safe, resilient, and sustainable solutions for building construction. Industry experts will present on the importance of the use of concrete as a means to address fire safety and natural disasters. An industry panel will provide the forum for discussion on the latest technologies and innovations to add in safeguarding the public.

Target Audience:

- | | | | | | |
|--|--|---|---|--|---|
| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input type="checkbox"/> Permit Technicians | <input checked="" type="checkbox"/> Architects | <input checked="" type="checkbox"/> Fire Marshals |
| <input checked="" type="checkbox"/> Designers | <input checked="" type="checkbox"/> Engineers | <input checked="" type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |

Understanding the Complexities of UL 300 Fire Systems in Commercial Hoods

INSTRUCTOR: Al Jongsma, Retired Building Official - *City of Burlington*
Kelly Blaine, Fire Marshal - *City of Burlington*

LEVEL: Beginning / Intermediate

REQUIRED MATERIALS: N/A

The target audience for this class are individuals responsible for plan review or confidence testing of new and existing Type One Commercial Rangehoods and UL 300 Fire Systems. The class will focus on plan review and on-site inspections of Type One Hoods and UL 300 Fire Systems. We will discuss the importance of a thorough plan review and how to inspect the system when certifying the systems for compliance. We will discuss in depth what is UL 300 and how it relates to the International Building Code, International Fire Code, NFPA, and the listing requirements per the manufacturers. Upon completion, participants will be better able to complete a thorough plan review and have confidence when certifying the systems.

Target Audience:

- | | | | | | |
|--|--|---|--|-------------------------------------|---|
| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input checked="" type="checkbox"/> Permit Technicians | <input type="checkbox"/> Architects | <input checked="" type="checkbox"/> Fire Marshals |
| <input type="checkbox"/> Designers | <input type="checkbox"/> Engineers | <input type="checkbox"/> Contractors | <input type="checkbox"/> Other Professions: | | |

Come to **SPOKANE** for the **WABO FALL MEETING** Being Held **OCT 27-28, 2022**



Check www.WABO.org for updates on registering.
Scholarships available for first-timers!

At the **HISTORIC DAVENPORT HOTEL**

Register Online at www.wabo.org

Registration Form

Class sessions run from 8:30am - 4:30pm

20th Anniversary



EARLY REGISTRATION

Member - \$125 Daily
Nonmember - \$175 Daily
(ends February 18, 2022)

REGISTRATION

Member - \$150 Daily
Nonmember - \$200 Daily
(after February 18, 2022)

Name: _____

Title: _____ Organization: _____

Address: _____

City/State/Zip: _____

Phone: _____ Fax: _____

Email: _____ (class handouts will be sent to this address)

Total amount due: \$ _____ Are you a WABO member: YES NO

Method of Payment: Check Visa MC Jurisdiction Purchase Order # _____

Credit Card Number: _____ CVV: _____ Exp Date: _____

Name on Card: _____ Billing Zip: _____

Signature: _____

Return to WABO, P.O. Box 7310, Olympia, WA 98507 or fax to 360-918-8021

CHECK ONLY ONE CLASS PER DAY

MONDAY MARCH 21

- Best Tips & Tricks in Residential Plan Review, HVAC, & Energy Code Inspections
- Washington Safety Assessment of Facilities Evaluators Program (WAsafe): Building Safety Evaluations R US
- So, You Want to Be A Building Official?
- Fire Sprinkler Plan Review & Inspections
- Permit Technician Leadership

TUESDAY MARCH 22

- Bluebeam Revu - Workshop for Permit Technicians
- Sustainable Energy Systems, What You Need to Know In the Building Code / RCW, WAC Rules, & the WA Cities Electrical Code
- Hazardous Material & High-Piled Combustible Storage In the Fire Code
- Intermediate Hands On Plan Review
- ICC A117.1 - 2017 Update

WEDNESDAY MARCH 23

- Bluebeam Revu - Workshop for Beginners
- What It Takes To Become A Professional Inspector
- Fundamentals of Structural Engineering for Building Officials - Day 1
- Fire Rated Assemblies, Firestopping, and Joint Systems
- Advanced Hands On Plan Review

THURSDAY MARCH 24

- Bluebeam Revu - Advanced Tips & Tricks Workshop
- It's About the Journey - Navigating the 2018 WSEC Commercial Provisions
- Fundamentals of Structural Engineering for Building Officials - Day 2
- Safeguarding the Public With Concrete
- Understanding the Complexities of UL 300 Fire Systems in Commercial Hoods

Register Online at www.wabo.org



Washington Association of Building Officials
 P.O. Box 7310
 Olympia, WA 98507
 www.WABO.org

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2022



MARCH 21st - 24th
LOCATION

Lynnwood Convention Center
 3711 196th St SW
 Lynnwood, WA 98036

Register Online at www.wabo.org

Institute Schedule At A Glance ...

Monday March 21	Tuesday March 22	Wednesday March 23	Thursday March 24
Best Tips & Tricks in Residential Plan Review, HVAC, & Energy Code Inspections	Bluebeam Revu - Workshop for Permit Technicians	Bluebeam Revu - Workshop for Beginners CLASS FULL	Bluebeam Revu - Advanced Tips & Tricks Workshop
Washington Safety Assessment of Facilities Evaluators Program (WAsafe): Building Safety Evaluations R US	Sustainable Energy Systems, What You Need to Know In the Building Code / RCW, WAC Rules, & the WA Cities Electrical Code	What It Takes To Become A Professional Inspector	It's About the Journey - Navigating the 2018 WSEC Commercial Provisions
So, You Want to Be A Building Official?	Hazardous Material & High-Piled Combustible Storage In the Fire Code	Fundamentals of Structural Engineering for Building Officials - Day 1	Fundamentals of Structural Engineering for Building Officials - Day 2
Fire Sprinkler Plan Review & Inspections	Intermediate Hands On Plan Review	Fire Rated Assemblies, Firestopping, and Joint Systems	Safeguarding the Public With Concrete
Permit Technician Leadership	ICC A117.1 - 2017 Update	Advanced Hands On Plan Review	Understanding the Complexities of UL 300 Fire Systems in Commercial Hoods