

SUBURBAN BUILDING OFFICIALS CONFERENCE

66th Annual Training Institute 2021

Friday, March 5th, 12th, 19th & 26th



LOCATION:

Online – Virtual Webinars Via “ZOOM”

TIMES:

Check-in Online: 8:30 AM

Webinars Start: 9:00 AM

Webinars Conclude: 4:30 PM

**If you are currently on our e-mail list,
you should have received an
“Invitation” in an E-mail.**

Please ‘RSVP’ through that E-mail.

**If you are not on our e-mail list,
Registration to the
2021 Training Institute is also
available on the SBOC website:**

www.sbo-7.com



Suburban Building Officials Conference 66th Annual Training Institute 2021



Event Information

Location: Online – Virtual Webinars Via ZOOM

Course Information: Dates, Descriptions, Speakers, CEU's & Fees

<u>DATE:</u>	<u>DESCRIPTION:</u>	<u>C.E.U.'s</u>	<u>MEMBER FEE:</u>	<u>NON-MEMBER FEE:</u>
Friday, March 5 th	<u>ICC DAY</u> "STRUCTURAL PLAN REVIEW, 2018 IRC" PRESENTED BY: RUSSELL THORNBURG	.6	\$65	\$75
Friday, March 12 th	<u>HR GREEN DAY</u> "ROOF TOP SOLAR: FROM THE SOLAR PARTS, PLAN REVIEW AND TO INSPECTION. WHAT WILL YOU BE LOOKING FOR?" PRESENTED BY: DON PLASS	.6	\$65	\$75
Friday, March 19 th	<u>Raths, Raths & Johnson (RR&J) Day</u> "ENCLOSURE "BUILDING BLOCKS" PRESENTED BY: SARAH FLOCK, LURITA BLANK, COLE GRAVEEN, JAKE ARNOLD & GEORGE MULHOLLAND	.6	\$65	\$75
Friday, March 26 th	<u>B & F Construction Code Services Day</u> "2021 IFC UPDATES" PRESENTED BY: RICH PICCOLO	.6	\$65	\$75

If you are currently on our e-mail list, you should have received an "Invitation" in an E-mail.
[Please RSVP through that E-mail.](#)

If you are not on our e-mail list, please send your e-mail address and contact information to:
events@sboc-7.com
to request an invitation.

You can pay the fee in several ways:

- 1) Online thru CVENT with a "Credit Card" (Visa, MasterCard, Discover).
- 2) By "Check" by 'Mailing it to SBOC'.
 - Please make checks payable to: "Suburban Building Officials Conference"
 - If you plan on mailing the Check, please use the following address:
Suburban Building Officials Conference (SBOC)
P.O. Box 502
Hinsdale, Illinois 60521

We hope to see you at this year's 66th Annual 2021 SBOC Training Institute!



Suburban Building Officials Conference

66th Annual 2021 Training Institute

Topics and Speakers



WEEK 1: FRIDAY, MARCH 5TH / ICC DAY (INTERNATIONAL CODE COUNCIL)

Contact Hours: 6.0 / CEU Credit: 0.6

Full Day Session Course Title:

- Structural Plan Review, 2018 IRC

Course Description:

- This class is designed to enable participants to perform a structural plan review for residential buildings using the prescriptive provisions of the International Residential Code. IRC Basics; Roof Construction; Wall Construction; Floor Construction; Decks; Structural Analysis by Long-Hand; Non-prescriptive Beams & Columns; Foundations, etc.

Course Objectives:

- The student will be able to define and apply the prescriptive code of the 2018 International Residential Code (IRC) to adequately perform a structural plan review for a Single-Family Residence.
- The student will be able to discuss/learn the non-prescriptive “rule of thumb” for beams and columns.

Recommended Text/Code Book(s):

- Please have available a copy of the 2018 International Residential Code

Presented By:

Russell Thornburg
International Code Council

With over 31 years of experience, Russell Thornburg brings to the classroom first-hand knowledge of many aspects of the building industry from the basics of home ownership, to general contracting, to field inspection and plans examiner. For more than twenty years, he was self-employed as a licensed general contractor and has over 17 years of experience working for municipalities in the state of Minnesota and Kansas. During this time, he began teaching Building Inspection Technology programs for Minnesota State Colleges and Universities, as well as Continuing Education Seminars from around the country and ICC chapters. After a short stint serving as Program Manager for Johnson County Contractor Licensing of KS he has returned to Texas and now writes and develops code seminars and presents these programs for various organizations, including municipalities, institutes, ICC chapters, Home Builders Associations, and industries throughout the United States.



WEEK 2: FRIDAY, MARCH 12th / HR GREEN DAY

Contact Hours: 6.0 / CEU Credit: 0.6

Full Day Session Course Title:

- Roof Top Solar: From the Solar Parts, Plan Review and to Inspection.
 - What will you be looking for?

Course Description:

- This Six (6) hour session will challenge the participants in navigating the world of Solar Energy.
 - This course is intended for code officials who would be conducting either plan reviews or field inspections of Roof Top Solar Systems, but will also be beneficial to fire officials in comprehension of what to expect when there is a fire call to a structure and there is an alternative power supply to deal with.
 - Student participants will be able to recognize and define each of the integral parts of a Roof Top Solar System. This course is will provide the student with an overview of the National Electrical Code (NEC) Article 690 and how it relates to Solar. Student will be better prepared for field inspections of solar systems whereas we will identify how to locate the most common mistakes in a Roof Top Solar installations.

Course Objectives:

- Students shall:
 - Obtain sufficient knowledge to be able to identify, describe and list each component of a Roof Top Solar Installation.
 - Recognize your role as a code official in Solar plan examination and/or inspection.
 - Locate, describe and apply specific Articles of the National Electrical Code (NEC) to Roof Top Solar Systems, to determine compliance or non-compliance.

Presented By:

DON PLASS, CFCO, MCP, CBO, LEED AP, BPI
Plan Reviewer I Training Facilitator
SBOC Past President, 2006

Don has been an instructor of building and fire codes since 1998, and has extensive residential & commercial construction management experience. In addition, he holds over 40 International Code Council (ICC) certifications in multiple disciplines such as a Master Code Professional (MCP), Certified Building Official (CBO), Certified Fire Code Official (CFCO), Plumbing Code Official (PCO), Residential Building Inspector, Commercial Building Inspector, Electrical Code Official (ECO) and many others.



Don is very involved in energy and sustainability compliance, is a certified LEED AP, a Building Performance Institute (BPI) Building Energy Analyst, an ICC Certified Sustainability Professional and has received awards for energy & sustainability in Illinois and from International Market Transformation (IMT). He was recently appointed to the Illinois Elevator Safety Review Board representing the General Public. Moreover, he is a Council member representing Illinois Code Officials on the Illinois Energy Conservation Code Advisory Committee. Don also is a solar certified North American Board of Certified Energy Professionals (NABCEP) PV Inspector.

WEEK 3: FRIDAY, MARCH 19th / RATHS, RATHS & JOHNSON (RR&J) DAY

Contact Hours: 6.0 / CEU Credit: 0.6

Full Day Session Course Title:

- “Enclosure “Building Blocks””

Course Description:

- The course will discuss the basics of building science and how they relate to aspects of the building enclosure. The speakers will provide insight on air barriers, various cladding/roofing types and components, as well as quality assurance testing considerations. Information will also be provided regarding building movements and how they affect the overall performance. Lastly, an overview of delegated design (deferred submittals) and the impact on the approval process will be presented.

Course Objectives / Highlights:

- Provide an introduction to building science concepts, discuss relevant code provisions, as well as provide examples and select case studies.
- Describe roofing characteristics and considerations for selection, installation, service life and performance of roofing systems. Explore building code changes to roofing systems.
- Explore the aspects of the ICC code updating process & what changes may be coming your way.
- Describe the importance of deferred submittals and how they affect the approval process
- Provide working knowledge of various tests that are often performed to ensure specific quality and functionality of building components and systems.

Presented By:

Sarah Flock, NCARB, BECxP, CxA+BE, Principal. Sarah Flock is a Licensed Architect in five states and has 19 years of experience in water/moisture intrusion investigations; repair design; and field testing of distressed structures, nonperforming buildings, and material systems. At RRJ, she has specialized in building enclosure assessment and in the resolution of moisture intrusion, including condensation formation. She has performed hygrothermal modeling to analyze a wide range of projects utilizing her knowledge and expertise in THERM, WUFI, and other types of computer analyses.



She has evaluated and tested building materials and systems, including masonry, windows, curtain walls, metal panels, stucco, wood and vinyl cladding systems, and exterior insulation and finish systems (EIFS). Sarah is a graduate of the University of Illinois Urbana-Champaign with a Bachelor of Science in Architectural Studies and a Master of Architecture with a Management emphasis. She is a member of numerous professional organizations, including the Air Barrier Association of America (Second Vice Chair of the Executive Committee and Co-Chair of the Research Committee).

Lurita Blank, NCARB, RBEC, REWC, RRC, RWC Associate Principal. Lurita is a Licensed Architect with 14 years of experience specializing in building enclosure in the areas of masonry conservation, facade restoration, roofing and waterproofing investigation and repair design, and enclosure consulting and commissioning for new construction. She consults on related enclosure performance issues involving restoration design, adaptive reuse, and historic preservation.



Lurita has a Master of Science in Historic Preservation from Columbia University and Master of Architecture from Boston Architectural College. She is a member of numerous national professional organizations, including the Assoc. for Preservation Technology International (Treasurer of the Executive Committee & Vice President of the Western Great Lakes chapter).

Cole Graveen, S.E., P.E., Senior Engineer. Cole is a Licensed Structural Engineer and Professional Engineer with 19 years of structural engineering experience in structural analysis, field investigation, non-destructive evaluations, and repair design of cast-in-place and precast concrete, steel, and timber structures. He has extensive knowledge in building code interpretation, compliance, development, and building plan review. As a member of the International Building Code, Structural Code Committee, he has reviewed and made recommendations related to proposed changes to the structural provisions of the International Codes.



Prior to RRJ, Cole worked for BOCA International, Inc. providing building code interpretations for design professionals and code officials. Cole graduated from Marquette University with a Bachelor of Science in Civil Engineering and Purdue University with a Master of Science in Civil Engineering. He is a member of numerous professional organizations including ASCE 7-22 Dead and Live Load Subcommittee (Vice Chairman), and the International Code Council Structural Code Committee (5 Code Update Cycles).

Jake Arnold, PE, Manager of Testing Services. Jacob Arnold is a Professional Engineer in Illinois and manages RRJ's field and laboratory testing services offered across the firm's forensic architectural and structural engineering practice. He has over six years of experience in both laboratory and in situ testing of building materials, on-site quality control testing, and development of monitoring programs to investigate the effects of environmental conditions and the performance of building components.



He has designed and conducted mechanical tests for research and strength testing of coatings, adhesives, cementitious materials, and stone anchorages. Jake is a graduate of the University of Illinois Urbana-Champaign with a Bachelor of Science in General Engineering and a Master of Science in Industrial Engineering with a concentration in Civil and Environmental Engineering. He is a director for the Chicago Area Chapter of the International Institute of Building Enclosure Consultants and a member of the ASTM Committee D01 on Paint and Related Coatings Materials and Applications.

George Mulholland, S.E., P.E., Principal. George Mulholland is a Licensed Structural Engineer and Professional Engineer in six states with 33 years of experience specializing in the evaluation; investigation; and repair of distressed facades, buildings, and structures. His portfolio has encompassed cast-in-place, precast, and post-tensioned concrete, masonry, steel, and timber structures. He has extensive knowledge of remedial design approaches for rehabilitation, durability, and strengthening of structural framing components and connections, and historic facade restoration.



George is a Graduate of Iowa State University with a Bachelor of Science in Civil Engineering and the University of Illinois Urbana-Champaign with a Master of Science in Structural Engineering. He is a member of numerous professional organizations, including the American Society of Civil Engineers Structural Conditions Assessment and Rehabilitation of Buildings Committee (Chairman) and the International Concrete Repair Institute Chicago Chapter (President).



WEEK 4: FRIDAY, MARCH 26th / B & F CONSTRUCTION CODE SERVICES DAY

Contact Hours: 6.0 / CEU Credit: 0.6

Full Day Session Course Title:

- 2021 International Fire Code (IFC) Updates/Changes

Course Description:

- The International Codes are being updated to the 2021 editions. This one day update class focuses on the International Fire Code. It will outline the significant changes to the code. This course will highlight the intent of the change and discuss the impact on the application of the code. The students are encouraged to bring a copy of the International Fire Code to class.

Course Objectives:

- Student will be able to locate and discuss:
 - The changes to the 2021 edition of the International Fire Code.
 - The intent of the change.
 - The impact on the enforcement of the update.
 - Any impact of the enforcement of the Fire Code changes on other ICC codes.

Presented By:

Richard A. Piccolo, MCP. Rich is president of B & F Construction Code Services, Inc., a consulting agency specializing in building and fire protection plan reviews, inspections, training and general code consulting services. Mr. Piccolo is also co-chairman of the Illinois Fire Inspectors Association Codes and Standards Committee, and is past president of the Illinois Council of Code Administrators (ICCA). Richard Piccolo is a court certified expert on the building codes & is an author/instructor of training seminars on the model codes. Mr. Piccolo has gained a tremendous following, which is directly attributed to an extraordinary ability to work harmoniously and communicate effectively with municipal officials, community leaders and industry professionals. Mr. Piccolo brings more than 30 years of knowledge, experience, and enthusiasm to his work.



A **Vietnam War Veteran**, Mr. Piccolo began his civilian career as a firefighter with the Elk Grove Village Fire Department in 1971 where he utilized his knowledge to conduct community education programs and fire protection code enforcement. During his 18 years as a firefighter, lieutenant, and public educator, Mr. Piccolo also became involved in other construction disciplines by conducting building plan review and mastering model codes and standards, understanding the positive impact of code compliance. Among his many achievements, Mr. Piccolo holds a degree in Fire Science and has earned the top certification in his field as an International Code Council Master Code Professional. He holds 19 certifications in building, mechanical, electrical, plumbing, and fire protection codes, and is recognized nationwide for his contributions to building code enforcement. (Thank you for your Service Rich!)



Thank You for Your Interest in Attending an SBOC Virtual Training Event

The March 26th Seminar Will Conclude the SBOC 66th Annual 2021 Training Institute

We look forward to seeing you at this year's Annual SBOC Training Institute!

