

BONNEVILLE CHAPTER

* NEW LOCATION *

Utah Cultural
Celebration Center
1355 West 3100 South
West Valley City, Utah

22nd

Annual Fall
Educational Institute

Oct. 27 thru 29, 2015

C. E. U. Hours for:
Architects, Contractors,
Engineers, Elected
Officials; Fire and
Building Departments

Courses Provided by:



PREFERRED
EDUCATION
PROVIDER



DEPARTMENT OF COMMERCE
Division of Occupational and
Professional Licensing

Partial Funding by:



ABOUT OUR FALL EDUCATIONAL INSTITUTE: THE RIGHT TOPIC AT THE RIGHT TIME AT THE RIGHT PRICE!

- Join us for our 22nd annual conference. As always we strive to maintain our tradition of excellent and relevant education at a reasonable cost.
- The conference will be held again at the Utah Cultural Celebration Center located at 1355 West 3100 South. The Utah Cultural Celebration Center is located due east of the intersection of 3100 South and Redwood Road.
- Learn from national and local experts including ICC seminars, a local engineering firm, and very well-known independent national instructors. All courses will provide ICC Preferred Provider Credit Hours.
- Numerous restaurants to choose from, all within a 5-minute drive. Lunch is on your own.
- Partial funding of this training program has been provided by the Division of Occupational & Professional Licensing of the State of Utah from the 1% surcharge funds from all building permits.
- CONTRACTORS NOTE: Once again our educational agenda provides timely classes specifically to help you fulfill all your educational requirements for your license renewal.**
- INSPECTORS NOTE: With the upcoming adoption of the 2015 I-Codes we chose to offer classes to help you make the transition for your plan review and for your field inspections. There is a balanced mix of advanced topics and fundamentals. The residential solar class will help with understating this ever increasingly popular industry.**

COURSE DESCRIPTIONS

2015 IBC – Multifamily Buildings

This class will focus on the specific IBC requirements for multifamily dwellings such as apartment complexes. There will be some discussions of podium structures and the new 2015 IBC requirements. The course will include accessibility requirements of IBC 1107 and Chapter 10 of ICC A117.1-09 for Type A and B units. It will also cover some common problems associated with the design of multifamily buildings including fire rating, exhaust systems, construction types, etc. Requirements for accessory structures such as pools and carports will also be discussed.

2015 IRC Significant Changes

This seminar reviews and analyzes selected significant changes from the 2012 International Residential Code (IRC) to the 2015 IRC. It familiarizes building officials, fire officials, plans examiners, inspectors and design professionals with many of the significant changes in the 2015 IRC. It also assists code users in identifying the specific code changes that have occurred and understanding the reason behind the change. Finally, it focuses on those code changes selected due to their frequency of application, special significance or change in application. This course uses the Significant Changes to the International Residential Code 2015 Edition.

2015 IEBC – Existing Buildings

The 2015 International Building Code (IBC) no longer has provisions to address existing buildings instead it now refers to the 2015 International Existing Building Code (IEBC) for requirements in relation to existing buildings. This class provides an introduction to the IEBC. It clarifies how the code is laid out and provides specific guidelines for how to use the book. Specific guidelines addressing mandatory structural, fire safety, and accessibility triggers will be discussed. Requirements for repairs, alterations, additions, moved structures and historic structures will be addressed.



COURSE DESCRIPTIONS CONTINUED

Fire Stop Plan Review and Inspection

The sealing of penetrations and joints in fire-rated construction using tested systems, to maintain the full fire and/or smoke resistance of the assembly, is collectively referenced as "firestopping". Firestopping is required by the IBC, and was also mandated by all of the legacy building codes. This seminar will allow the participant to understand the IBC's firestop requirements in detail, and understand the complexity of how firestopping systems are tested and listed. This knowledge will be applied to allow the jurisdictional inspector to look for and ask for the right information while either in plan review or in the field, to be able to distinguish installations that are code compliant from those that are not.

2015 EXTREME Buildings

There seems to be an influx of unusually large and complex buildings coming into Utah. This class focuses on plan review and inspection of very large and unusual buildings. Because extreme buildings often fail to fit into the prescriptive regulations of the IBC, alternative designs and performance based concepts may be needed. The course will discuss the true intent of the code versus the limiting prescriptive language found within each IBC. The instructor will encourage students to think outside the box when necessary. The ICC Performance Code will be introduced in this session as another tool at your disposal for evaluating performance based design. This class will address plan review and inspection of these unique structures. This course is applicable to building officials, fire officials, plans examiners, inspectors, and design professionals.

2014 NEC Analysis of Changes

This course is designed to highlight the significant changes that were made in the 2014 NEC. The course will break down the changes and make them easier to understand and implement. Discussion of new Articles, examples of applications of new sections will all be part of this course. This course is designed for new code users as well as the seasoned professional.

COURSE DESCRIPTIONS CONTINUED

2015 IFC Significant Changes

This seminar reviews and analyzes selected significant changes from the 2012 International Fire Code (IFC) to the 2015 IFC. It familiarizes building officials, fire officials, plans examiners, inspectors and design professionals with many of the significant changes in the 2015 IFC. It also assists code users in identifying the specific code changes that have occurred and understanding the reason behind the change. Finally, it focuses on those code changes selected due to their frequency of application, special significance or change in application. This course uses the Significant Changes to the International Fire Code 2015 Edition.

IBC 2015 Means of Egress

This class will present a current overview of the means of egress requirements in the 2015 International Building Code. Major components of the means of egress seem to change with each code edition. This course will explain the three major parts of a means of egress system as well as the eight fundamental design issues regarding the means of egress. Existing requirements including number of exits required, exit width, travel distance, door swing, panic hardware, door latching devices, exit access stairway provisions v. exit stair enclosures, common path of egress **trave**, and egress through adjoining spaces will all be addressed. Horizontal exits, egress lighting, and egress from large and small assembly spaces will make for an interesting class. This course is applicable to all building officials, fire officials, plans examiners, inspectors, and design professionals.



COURSE DESCRIPTIONS CONTINUED

2015 IBC Significant Changes

This seminar reviews and analyzes selected significant changes from the 2012 International Building Code (IBC) to the 2015 IBC. It familiarizes building officials, fire officials, plans examiners, inspectors and design professionals with many of the significant changes in the 2015 IBC. It also assists code users in identifying the specific code changes that have occurred and understanding the reason behind the change. Finally, it focuses on those code changes selected due to their frequency of application, special significance or change in application. This course uses the Significant Changes to the International Building Code 2015 Edition.

2014 NEC – Residential Solar Photovoltaic (PV) Systems

This 8-hour course will focus on the various types of residential solar PV systems. The class will start with the basics of Photovoltaic systems and lead the attendees step by step into more difficult concepts while simplifying the requirements. Systems to be covered include micro inverter systems, string inverter systems, string inverter with DC to DC converter systems, and battery systems. Hands on example components will be presented to help explain some of the code requirements concerning PV systems. This class is designed to aid inspectors, electricians, and design professionals in the plan review process of PV systems. This full-day presentation is based on the 2014 NEC.

COURSE INSTRUCTORS:

Todd Snider, PE, SE

Todd Snider serves as the Plan Review Supervisor for WC3's Utah Operations. He has more than 9 years of experience as a plans examiner and structural design professional. He is a licensed structural engineer and has a Master's degree in Structural Engineering. Todd is certified by ICC as a commercial building, energy, and accessibility plans examiner as well as a commercial building inspector. He has taught courses to many local ICC chapters as well as design professional organizations.

Stephen L. Thomas, CBO

Mr. Thomas has thirty years of experience in working with building codes including plan reviews, inspections and administration. His firm provides building code consulting services for governmental agencies and architectural firms, as well as educational seminars on building codes. Starting a building code-consulting firm in 1999, he has served as the contract Building Official for local jurisdictions in Colorado. Mr. Thomas has served on several ICBO committees and recently served as the Chairman of the ICC Means of Egress Code Development Committee. He is also the author of the book, Building Code Basics, Based on the 2009 & 2012 IBC available from ICC. He has presented building code classes for the last 25 years and provides an interesting and engaging look at building codes.

Chris Kimball, SE, MCP, CBO

Chris Kimball is WC3's Utah Regional Manager. He is a licensed structural engineer, and is an ICC Master Code Professional, certified building official, combination plans examiner, and combination building inspector. He has performed plan reviews for thousands of projects throughout Utah, Wyoming, Nevada, California, Arizona, and Texas. In addition, Chris has provided numerous training classes to help design professionals, building officials, and contractors alike to understand the requirements of the adopted building codes.

Gustavo Gonzalez, Sr. Non-structural Field Engineer, Hilti, Inc.

Until 2006, Gus Gonzalez worked with a General Contractor building custom homes in Beverly Hills and Malibu. He joined Hilti in 2006 as an account manager in Southern California, providing assistance and guidance to contractors on the use of Hilti products, such as post-installed concrete anchors and firestopping, to name just a few. As this was during the peak of the construction boom in downtown Los Angeles, he was involved in projects such as LA LIVE, CHOLA, and LAX. He relocated to Denver in 2010 as Fire Protection Specialist for Hilti, covering CO, WY, SD and UT. In 2013 he took a job as Project



22nd ANNUAL
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BONNEVILLE CHAPTER – ICC
CULTURAL CENTER – WEST VALLEY CITY
OCTOBER 27 – OCTOBER 29, 2015

COURSE PATH	OCTOBER 27TH TUESDAY	OCTOBER 28TH WEDNESDAY	OCTOBER 29TH THURSDAY
IBC ADVANCED	2015 IBC, Multi Family Construction Todd Snider Kimball Engineering	2015 IBC Extreme Buildings Steve Thomas Colorado Code Consultants	2015 IBC Means of Egress Doug Thornburg ICC
2015 CODE UPDATES	2015 IRC Significant Changes Steve Thomas Colorado Code Consultants	2014 NEC Update Chris Jensen Logan City CBO	2015 IBC Significant Changes Steve Thomas Colorado Code Consultants
Fundamentals	2015 IEBC Introduction Chris Kimball Kimball Engineering	2015 IFC Significant Changes Scott Adams ICC	2015 IRC Photovoltaic Systems Doug Smith Kimball Engineering
Diverse Topics	Firestop Plan Review General Instruction Gustavo Gonzalez, HILTI Mark Zanotelli, STI	Firestop Inspection Workshop Patrick Tesche Global FPG	

- C.E.U. CERTIFICATES AWARDED FOR ALL CLASSES -

- Persons requiring assistance due to disabilities, please contact Ed Domian (801)963-3276 by October 20, 2015 so proper accommodations may be provided. Daily schedule -
Registration: 7:30 am; AM Classes: 8:00-Noon - lunch on your own - PM Classes: 1:00-5:00; Breaks 10 am & 3 pm



COURSE INSTRUCTORS: *CONTINUED*

Manager for a UL-accredited firestop installation contractor, working on some of the highest profile projects in Colorado. He re-joined Hilti in June 2015, as a Sr. Non-structural Field Engineer, where he spends most of his time providing expert consultation on firestopping to Architects, Engineers, and State Officials.

Mike Zanotelli

Mike has been with STI for 15 years. He has conducted firestop training on behalf of STI in all major cities throughout the western region including the following cities; Los Angeles, Las Vegas, San Francisco, Irvine, San Diego, Ontario and San Jose. He has presented at multiple IFC seminars during the last 10 years throughout the entire western region. He is an instructor at STI's Firestop Instructional Training Level II (FIT II) educational seminar.

Chris Jensen

Chris Jensen was introduced to the electrical trade at an early age. He was in his early teens when he would work summers at his grandfather's electrical contracting company hauling material, digging trenches and performing general labor. In August of 1994 he received his Journeyman electricians licensed and in June of 2004 he received his Master electrician's license. From 1990 to 2005 he worked as an electrician, until May of 2005 when he changed hats and became a combination inspector for North Logan City. In January of 2014 he became a Building Official for North Logan City. He has taught the electrical apprenticeship program for Bridgerland Applied Technology College, and is an active member of the Utah Chapter of the I.A.E.I and holds a position on the board. Chris is currently a member of NEC Code Making Panel 10 and was involved with the development of the 2014 and 2017 NEC.

Scott Adams

Scott Adams currently serves as the Assistant Fire Chief for the Park City Fire Service District and has a bachelor's degree in Fire Protection Engineering. Chief Adams currently serves on the ICC Fire Service Membership Council, ICC Western Regional Fire Code Action Committee, Technical Committee member on the NFPA-1 Fire Prevention Code, NFPA-101 Life Safety Assembly Occupancy Committee and NFPA Fire Test Committee. He is ICC certified as a Fire Inspector II and Building Plans Examiner.

Patrick Tecshe

Mr. Tesche has 26 years of experience in the Passive Fire Protection industry. At Global FPG he is responsible for all aspects of the business, from Passive Fire Protective Testing and Inspections, engineering and design consulting, to training and education. Pat has presented to numerous AHJ, Fire Marshalls, Civil Defense

COURSE INSTRUCTORS: *CONTINUED*

Personnel, and inspection firms throughout North America and the Middle East. Pat proudly serves on a variety of industry organizations. He is the IFC Inspectors Chair, Member of the ASTM E06 Committee focusing on the ASTM E 2174 and 2393, and is the Task of Group Chair for the ASTME E 06 Firestop Inspectors Qualifications, as well as contributing author on the IFC Fire Stop Inspectors Test. Pat attended Drexel University, Philadelphia, PA (Construction Management). He is a member of ASTM E05 Fire Test committee, UL Standards Technical Panel 1479/2079, National Fire Protection Association (NFPA), American Society for Sanitary Engineers (ASSE 9000), American Society of Health Care Engineers (ASHE), International Firestop Council (IFC), and Firestop Contractors International Association (FCIA).

Douglas W. Thornburg, AIA, CBO

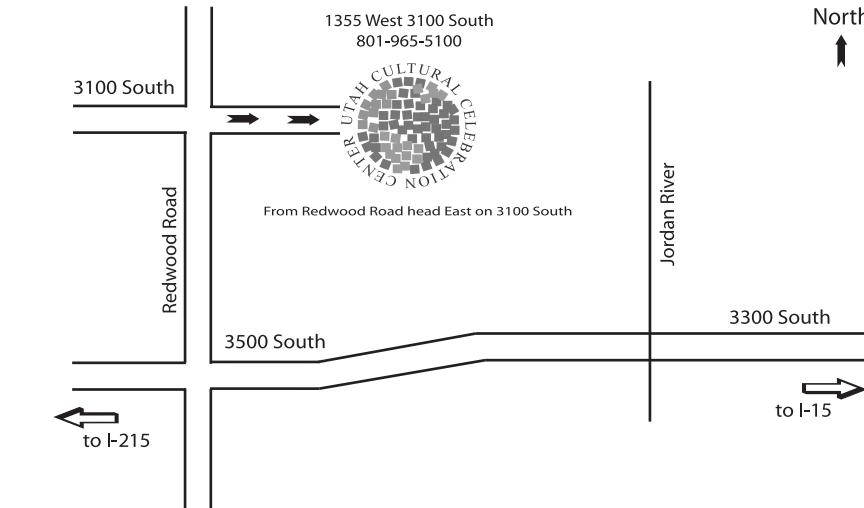
Doug Thornburg is currently Vice-President of Education and Certification for the International Code Council (ICC) where he provides administrative and technical leadership for the ICC education and certification programs. Prior to employment with ICC in 2004, he spent nine years as a code consultant and educator, and the previous ten years with the International Conference of Building Officials (ICBO). Doug also continues to develop and present building code seminars nationally and has developed numerous educational texts and resource materials. He was presented with ICC's inaugural Educator of the Year Award in 2008, recognizing his outstanding contributions in education. A graduate of Kansas State University and a registered architect, Doug has over 35 years of experience in building code training and administration. He has authored a variety of code-related support publications, including the IBC Handbook and the Significant Changes to the International Building Code.

Doug Smith, MCP, CBO

Doug Smith serves as both a plans examiner and building inspector for WC3. He has been an inspector for over 10 years and has more than 18 years of experience in the building safety and construction industries. He has obtained over 18 ICC certifications including Certified Master Code Professional. He specializes in the requirements of the electrical code and is especially knowledgeable on the topic of solar photovoltaic systems.



LODGING:



What you need to know about the Utah Cultural Celebration Center

culturalcelebrationcenter.org

Located at 1355 West 3100 South

Access from the corner of 3100 South & Redwood Road.
Drive as far east as you can on 3100 South.

The road ends at the *Utah Cultural Celebration Center*.

140 available *free* open parking spaces in dedicated parking lot on site.

15 minute drive from Salt Lake City Airport.

LODGING:

Hotels within 5 minutes from conference site north and south of the Maverick Center.

Holiday Inn Express 866-925-1043
Baymont Hotel 866-767-0285
Sleep Inn 866-538-0270
Extended Stay America 866-925-7879
Crystal Inn 866-925-1480
Country inn & Suites 866-925-2907
Embassy Suites WVC 801-963-4760

Restaurants near conference site:

MAVERIK CENTER AREA

3100 South & Decker Lake Drive
5 minute drive from conference site

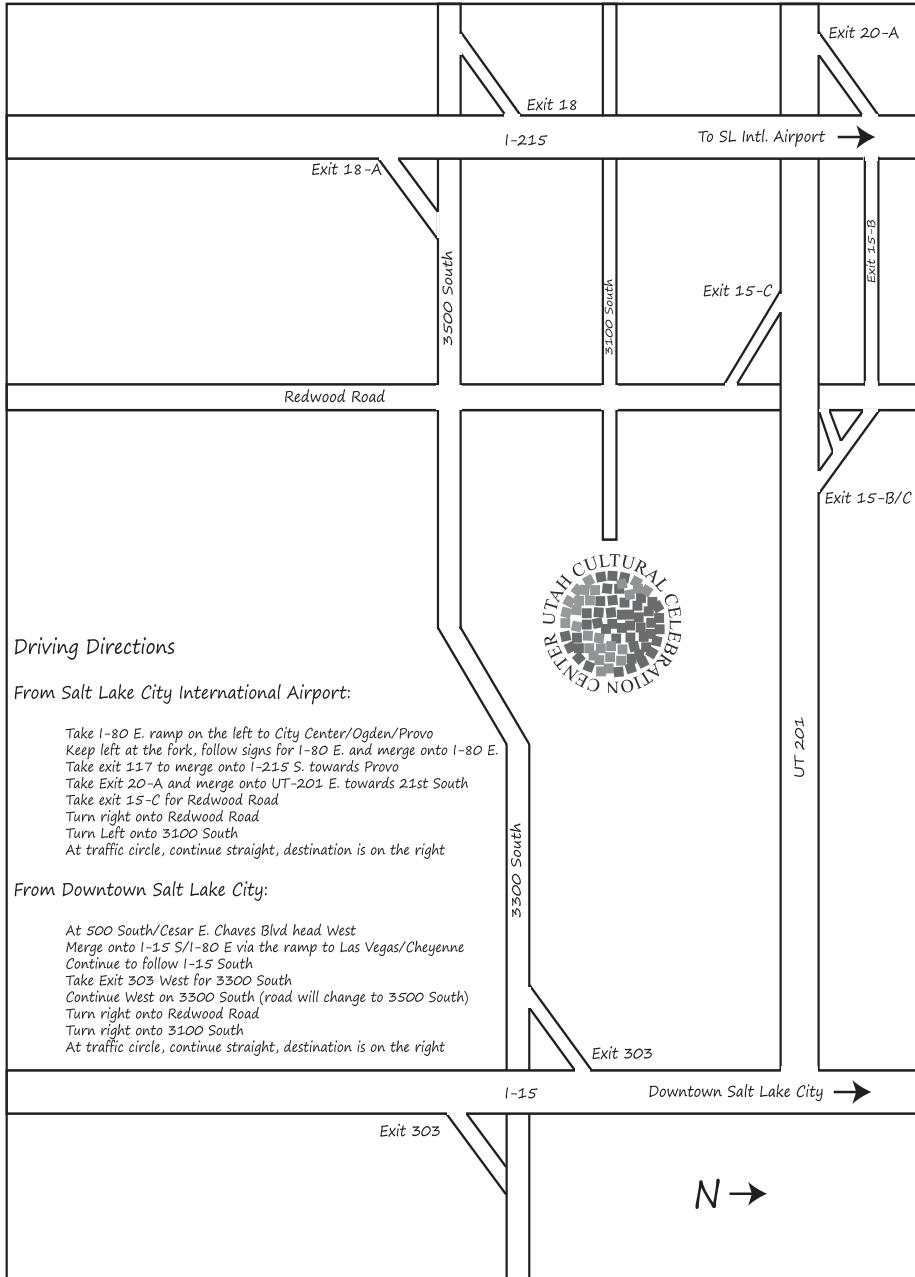
Costa Vida
Chili's
AppleBee's
IHOP
Cracker Barrel
Bout Time Pub & Grub
Greek Souvlaki (corner of Decker Lake & 3500 S)

VALLEY FAIR MALL AREA

3500 South Constitution Blvd. (2700 West)
10 minute drive from conference site

Olive Garden* (#1 in all USA Olive Gardens!)
TGI Fridays
Zupas
Wingers
Monster Sushi
In N Out Burger
Red Robin
Jimmy John's
Rumbi's
VF Mall Food Court
Pizza Rev
Cafe Rio
Smashburger

Salt Lake City Airport to Utah Cultural Celebration Center



PLEASE CUT ALONG DOTTED LINE AND SEND THIS FORM FOR EACH PERSON ATTENDING INSTITUTE

Registration Form

Name: _____
 Title: _____ Representing: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 E-mail: _____
 Telephone: _____ Fax: _____

Fees: \$70.00 Per Person Per Day. **Contractors must add \$10.00 processing fee per license for the State contractor reporting. Late Registration \$80.00 per day after 10/1/15.** We regret that we can no longer accept split or shared registrations. Everyone must submit a registration form with a check. No invoices please. Everyone must pay the minimum registration fee of \$70.00. There is free open lot parking on site. Lunch is on your own.

Make Checks Payable To:	Total Enclosed
BONNEVILLE CHAPTER ICC P. O. Box 672 Farmington, Utah 84025	\$ _____

Please check the boxes for the classes you will be attending.
 Pre-registration will insure you a workbook!!

22nd Annual Fall Educational Institute

Bonneville Chapter – ICC
Utah Cultural Celebration Center – West Valley City, Utah
October 27-18-29, 2015

All classes listed are full day classes

Path	October 27 th	October 28 th	October 29 th
IBC Advanced	<input type="checkbox"/> Multi-Family Residential	<input type="checkbox"/> Extreme Buildings	<input type="checkbox"/> Means of Egress
Code Updates	<input type="checkbox"/> 2015 IRC Significant Changes	<input type="checkbox"/> 2014 NEC	<input type="checkbox"/> 2015 IBC significant changes
Fundamentals	<input type="checkbox"/> 2015 IEBC Introduction	<input type="checkbox"/> 2015 IFC Significant Changes	<input type="checkbox"/> 2015 IRC Solar
Fire Stopping	<input type="checkbox"/> Fire Stopping instruction	<input type="checkbox"/> Fire Stopping Work Shop	

REGISTRATION: 7:30 All classes are 8-hour sessions with lunch on your own.
 Breaks will be held at 10:00 a.m. and 3:00 p.m. to coincide with prize drawings.
 Refund Policy: \$10.00 processing fee until October 20, 2015. Thereafter, maximum 80% for exceptional reasons. REQUESTS MUST BE IN WRITING.



Bonneville Chapter ICC
c/o Mike Bosch, Treasurer
P.O. Box 672
Farmington, UT 84025-0672

Check out our home page
on the web!
www.iccbonn.org

Visit the ICC
Vendor Booth