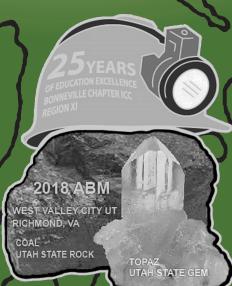




BONNEVILLE CHAPTER



25th Annual Fall Educational Institute

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

Nov. 27 thru 29, 2018

Up to 8 C. E. U.
Credit Hours
awarded per day for:
Architects,
Engineers,
Fire and Building
Departments

Courses Provided by:



PREFERRED
EDUCATION
PROVIDER

New Approved AIA
Courses, earn AIA CEUs



AIA
Utah

Partial Funding by:



DEPARTMENT OF COMMERCE
Division of Occupational and
Professional Licensing



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

- Join us for our 25th 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 three ICC seminars, a local engineering firm, and a very well-known independent national instructor. All courses will provide ICC Preferred Provider Credit Hours. Please remember to bring your license numbers as we are required to report to DOPL.
- 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 fulfill all your educational requirements for your license renewal. We can not issue CEU credits for general contractor licenses ending in 5501. CEU credits are available for Electrical, Plumbing and Mechanical Contractors.
- **INSPECTORS NOTE:** With the upcoming adoption of the 2018 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 understanding this ever increasingly popular industry.



IBC ADVANCED TRACK: COURSE DESCRIPTIONS

2018 IBC – Multifamily Residential Accessibility

Devoted to residential accessibility requirements using the International Building Code and ICC A117.1. Topics will include scoping for accessible design, Accessible, Type A and Type B residential requirements. The class will provide Federal accessibility background to help the student negotiate the maze of regulations and their base intent in the IBC.

2018 IBC Special Use Groups

This class will look at some of the more unusual uses that building departments are starting to see in their jurisdictions. The class will discuss the plan review and inspection of breweries, wineries distilleries and cannabis facilities. All of these emerging uses have different levels of hazards that are addressed in the code. The discussion will center around occupancy classifications, hazardous materials, fire protection requirements and other applicable code provisions in the International Building Code.

2018 IBC Significant Changes

This seminar reviews and analyzes selected significant changes from the 2018 International Building Code (IBC) to the 2018 IBC. It familiarizes building officials, fire officials, plans examiners, inspectors and design professionals with many of the significant changes in the 2018 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 2018 Edition.

2018 IPC, and IFGC Significant Changes

This seminar introduces participants to the major changes from the 2015 IPC, and IFGC to the 2018 IPC, and IFGC. Participants will discuss the changes, reasons for the changes, and take part in knowledge review activities. Information presented will allow participants to apply these new code requirements to design, plan review, and/or inspection.

PLAN REVIEW TRACK: COURSE DESCRIPTIONS

2017 NEC Analysis of Changes

This course is designed to highlight the significant changes that were made in the 2017 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*

2018 IMC & IFGC Significant Changes (Exhaust Hoods and Fire Smoke Dampers)

A review of key changes in the mechanical and fuel gas codes. Discussion will include changes and clarifications to commercial cooking appliances, type I hoods, ventilation in multi-family and commercial buildings, dryer venting, duct systems and fire dampers. The class will also address fuel gas changes including gas dryers in bedrooms, Bonding of CSST (a significant change), stainless steel gas lines, shut-off valves, regulators and direct vent terminations. Plan on an open class format where questions and discussion are welcome.

2017 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 2017 NEC.

FUNDAMENTALS TRACK: COURSE DESCRIPTIONS

Plan Review Essentials, 2018 IBC Mixed Use Occupancies and Special Building Types and Features

Based on the provisions of IBC Section 508, this seminar addresses those special requirements applicable to buildings containing two or more occupancy classifications. The three mixed-occupancy options are presented along with examples and exercises that illustrate the proper application of the provisions. Specific topics include:

- Occupancy classification
- Mixed occupancy conditions
- Accessory occupancies
- Nonseparated occupancies
- Separated occupancies
- Multi-story conditions

Based on selected provisions from Chapter 4, this seminar focuses on several special building types and features. High-rise buildings, underground buildings, parking garages are specialized buildings that have their own unique considerations. Atriums, stages and platforms are building features that are evaluated in a special manner due to the hazards involved. The special detailed requirements and allowances set forth



COURSE DESCRIPTIONS *CONTINUED*

throughout Chapter 4 address a variety of uses and occupancies. Specific topics include:

- High-rise buildings
- Underground buildings
- Covered and Open Mall Buildings
- Parking garages
- Aircraft hangars
- Atriums
- Stages and platforms

Multi-Family Residential Plan Review

Overview of the requirements for multi-family dwellings in the International Building Code. Type V-A and IIIA construction may be the most difficult type of construction to build a structure by. This seminar discusses the design, construction and inspection of Group R-2 occupancies including, building planning, fire-resistive rated construction, fire protection requirements and means of egress requirements.

FIRE SERVICE TRACK: COURSE DESCRIPTIONS

IBC Chapter 7 – Fire-Resistive Construction

This class focuses on the requirements of Chapter 7 of the International Building Code. It addresses all types of fire-rated construction including; structural members, exterior walls, fire walls, fire barriers, fire partitions, smoke barriers, smoke partitions, and horizontal assemblies. The class discusses the specific requirements for openings, penetrations, and air transfer openings in rated assemblies. Some of the class time will be spent discussing prescriptive and calculated fire resistance as well as performance-based approaches.

2018 IFC Update & Utah Amendments

This class will provide a brief synopsis of some of the key changes from the 2015 International Fire Code to the 2018 version. As part of the course we will also discuss some of the significant changes that will be occurring within many of the common NFPA standards (e.g. NFPA 13, 72, etc.). The class will begin at the beginning of the code and work its way through the changes chapter by chapter. As time allows, the requirements for most of the Utah amendments to the fire code will also be brought up. The intent of this class is to help the fire code official understand the changes that will be occurring within the code and referenced standards ahead of the likely statewide adoption in July of 2019.



COURSE DESCRIPTIONS *CONTINUED*

Fire & Life Safety Reviews

This seminar is designed to provide a basic step-by-step approach to assist the Fire Code Official with performing a site plan review for new and existing projects, along with the basic items the Fire Code Official should look for when performing a fire and life safety plan review for a moderate-sized commercial project. This class will address the following portions of the review: (1) administration, (2) occupancy classification, (3) fire & life safety (fire protection, exiting, etc.), (4) fire department access and water supply requirements (fire flow). Examples will be referenced throughout the class with sample plan review comments included in the notes. The class will conclude with a question & answer session.





COURSE INSTRUCTORS:

Stephen L. Thomas, CBO

Mr. Thomas has nearly forty 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 several local jurisdictions in Colorado. Mr. Thomas has also served on several ICBO and ICC committees including the ICC Means of Egress Code Development Committee. He currently serves on the ICC Codes & Standards Committee. He is also the author of the book, Building Code Basics, based on the 2009 & 2012 IBC, and Building Code Essentials based on the 2015 and 2018 IBC, all available from ICC. He has presented building code classes for the last 35 years and provides an interesting and engaging look at building codes.

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.

Lee Clifton

Lee Clifton is the Senior Director of Plumbing, Mechanical, and Fuel Gas Resources for the International Code Council, Government Relations Department. He has been with the Code Council for 11 years and is presently located out of the Western Regional office in Brea, California. Prior to joining the Code Council, Lee was with the City of Los Angeles for 21 years

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



**25th ANNUAL
FALL EDUCATIONAL INSTITUTE
BONNEVILLE CHAPTER
CULTURAL CENTER – WEST**

COURSE PATH	NOVEMBER 27TH TUESDAY	NOVEMBER 28TH WEDNESDAY
IBC ADVANCED	2018 IBC Multi Family Residential Accessibility Steve Thomas Colorado Code Consultants	2018 IBC Special Steve Thomas Colorado Code
SIGNIFICANT CHANGES	2018 IPC, IFGC Significant Changes Lee Clifton, ICC	2017 NEC Update Chris Jensen UL
PLAN REVIEW	2018 Solar Plan Review and Inspection Doug Smith WC-3	Plan Review Essential Use Occupancy 2018 Special Building Doug Thornburgh
FIRE SERVICE	IBC Chapter 7 – Fire-Resistive Construction Chris Kimball WC-3	2018 IFC Update Nate May WC-3

- C.E.U. CERTIFICATES AWARDED

- Persons requiring assistance due to disabilities, please contact Jerry Thompson: (801)963-3300
- Registration: 7:30 am; AM Classes: 8:00-Noon - lunch on your own





**25th ANNUAL
UCATIONAL INSTITUTE
EVILLE CHAPTER – ICC
ENTER – WEST VALLEY CITY**

NOVEMBER 28TH WEDNESDAY	NOVEMBER 29th THURSDAY
2018 IBC Special Use Groups Steve Thomas Colorado Code Consultants	2018 IBC Significant Changes Doug Thornburg
2017 NEC Update Chris Jensen UL	2018 IMC Significant Changes Exhaust Hoods, Fire Smoke Dampers Brent Ursenbach WC-3
Plan Review Essentials, 2018 IBC Mixed Use Occupancies 2018 Special Building Types and Features Doug Thornburg	Multi-Family Residential Plan Review Steve Thomas Colorado Code Consultant
2018 IFC Update & Utah Amendments Nate May WC-3	Fire & Life Safety Reviews Scott Adams WC-3

CERTIFICATES AWARDED FOR ALL CLASSES -

Thompson: (801)963-3276 by November 01, 2018 so proper accommodations may be provided. Daily
12:00-Noon - lunch on your own - PM Classes: 1:00-5:00; Breaks 10 am & 3 pm





COURSE INSTRUCTORS: *CONTINUED*

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.

Brent Ursenbach

Brent Ursenbach is an Energy/Mechanical Code Specialist, ICC Combination Inspector and a LEED Accredited Professional. He retired from HVAC contracting in 2005, after 33 years working in the field, now working as a code official for the past 13 years. He currently serves on the ICC PMG Code Action Committee, ICC Mechanical Code Development Committee, ACCA Educational Institute-Standards Task Team and the Utah Chapter ICC Code Development Committee. He is Past President of the RMGA (Rocky Mountain Gas Association) Board of Directors and is the Chairman, Utah UBCC Mechanical Advisory Committee. Brent has presented numerous seminars and classes on energy, mechanical and fuel gas code, as well as HVAC design principles.

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.

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.



COURSE INSTRUCTORS: *CONTINUED*

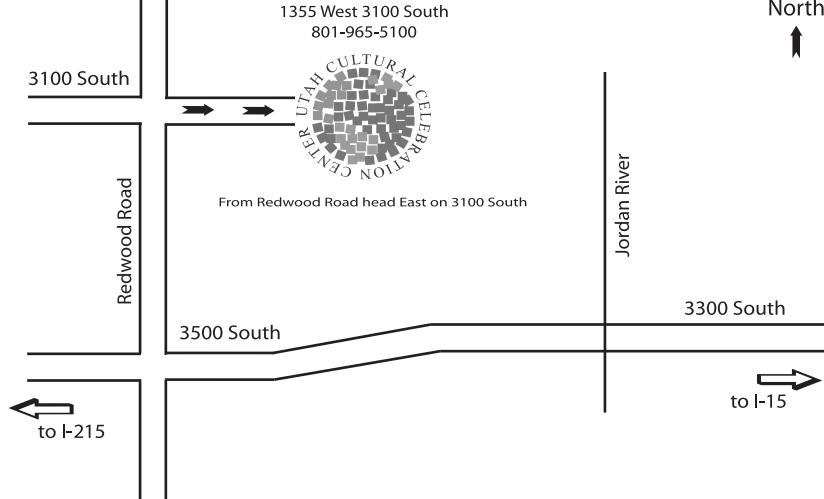
Nate May

Nate May graduated from the University of Maryland with both Bachelor and Master of Science degrees in Fire Protection Engineering. He is certified as a Fire Inspector I and II and Fire Plans Examiner through ICC. Mr. May is an Engineer-in-Training in Fire Protection Engineering, having worked previously as both a designer and researcher in the field of fire protection engineering. Prior to joining West Coast Code Consultants as a Fire & Life Safety Plans Examiner, Mr. May was a Fire Inspector with the Salt Lake City Fire Department.

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.

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

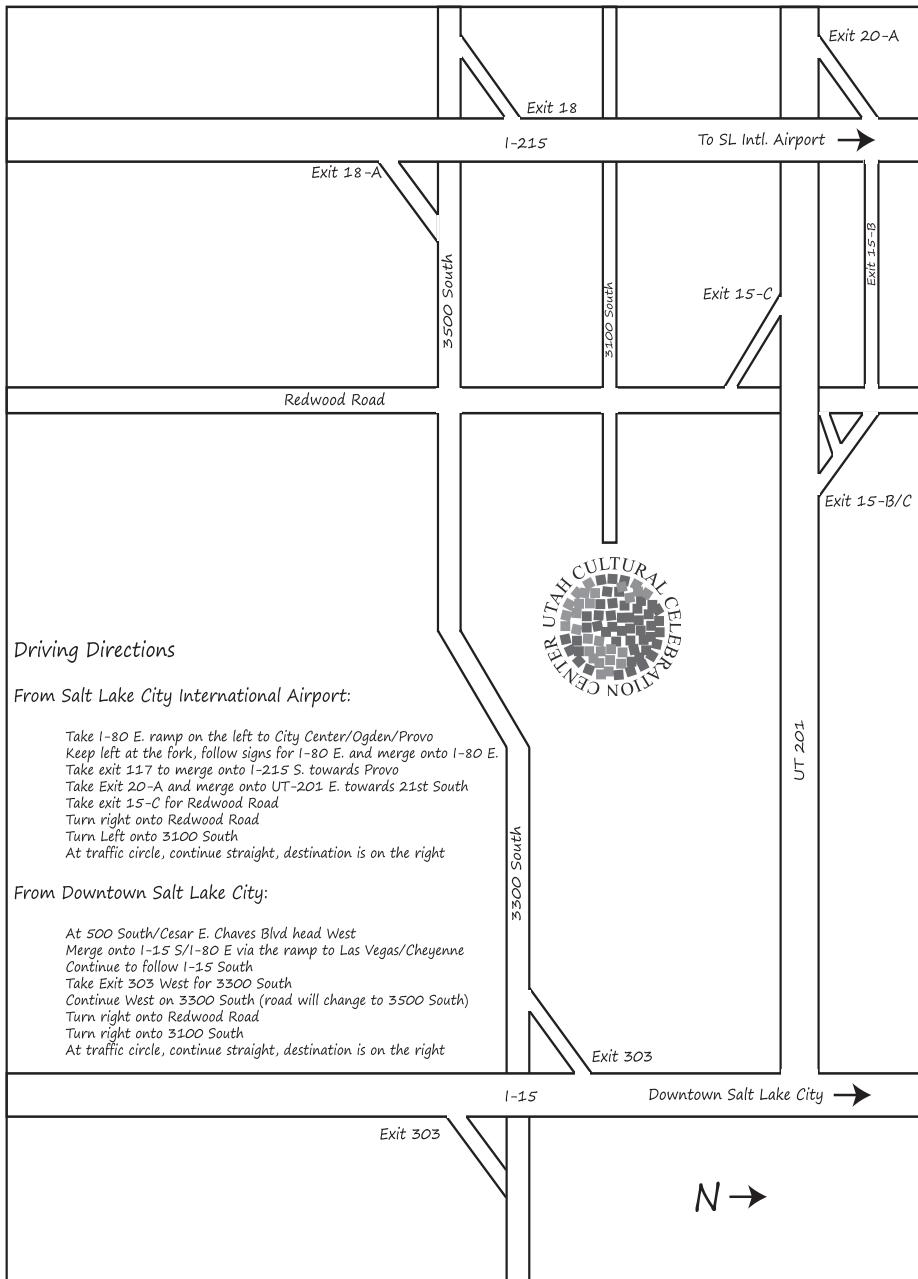
Costa Vida
Chili's
AppleBee's
IHOP
Cracker Barrel
Bout Time Pub & Grub
Greek Souvlaki (corner of Decker Lake & 3500 S)

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





Registration Form

Name: _____

Title: _____ Representing: _____

Address: _____

City: _____ State: _____ Zip: _____

E-mail: _____

Telephone: _____ Fax: _____

Fees: \$85 Per Person Per Day. **Contractors must add \$10.00 processing fee per license for the State contractor reporting. Late Registration \$95.00 per day after 11/14/2018.** 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 \$85.00. 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!!

25th Annual***Fall Educational Institute***

Bonneville Chapter – ICC

Utah Cultural Celebration Center – West Valley City, Utah

November 27-29, 2018***All classes listed are full day classes***

Path	November 27th	November 28th	November 29th
IBC Advanced	<input type="checkbox"/> Multi-Family Residential	<input type="checkbox"/> 2018 IBC Special Use Groups	<input type="checkbox"/> 2018 IBC Sig. Changes
Code Updates	<input type="checkbox"/> 2018 IPC/IFGC Significant Changes	<input type="checkbox"/> 2017 NEC Update	<input type="checkbox"/> 2018 IMC Significant Changes
Fundamentals	<input type="checkbox"/> 2018 Solar Plan Review	<input type="checkbox"/> Plan Review Essentials	<input type="checkbox"/> Multi-Family Plan Review
Fire Stopping	<input type="checkbox"/> IBC Ch. 7 – Fire-Res. Const	<input type="checkbox"/> 2018 IFC Update & UT Amendments	<input type="checkbox"/> Fire & Life Safety Review

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 November 1, 2018. Thereafter, maximum 80% for exceptional reasons. REQUESTS MUST BE IN WRITING.

TO ENSURE PROPER CEU CREDIT HOUR REPORTING, ALL CLASS PARTICIPANTS MUST HAVE THEIR STATE LICENSURE NUMBER TO ENTER ON THE CLASS ATTENDANCE LOG AT THE TIME OF THE CLASS.

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



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.icchogn.org

Visit the ICC
Vendor Booth