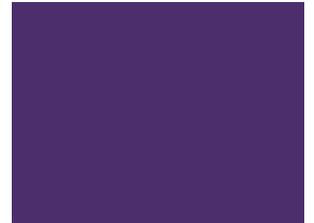
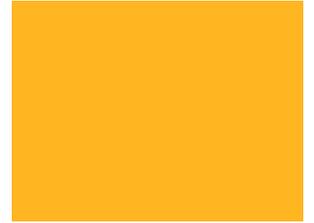


Johnson County Contractor Licensing program
with the Heart of America Chapter, ICC present

2022 Spring Education Seminar



March 14, 15 and 16, 2022
Overland Park Convention Center
6000 College Boulevard Overland
Park, Kansas



Each year the Johnson County Contractor Licensing Program holds two (2) education sessions for its membership in order to obtain the necessary hours for licensure. These sessions are in-person events held at the Overland Park Convention Center typically in March and again in October. As everyone is aware, the COVID-19 outbreak has changed the landscape of continuing education drastically. The 2022 Spring session has been on the minds of staff and the Contractor Review Board ever since. We have encountered concerns on how to hold the session at the convention center, meet the needs of the membership and adhere to health guidelines related to COVID-19.

****Under the present recommendation from the Health Department, masks are suggested when sitting in classes at the convention center. There is no requirement for vaccinations but we do encourage the wearing of masks if you are able to please.****

Contractor License Review Board	Education Committee Members	Staff
<ul style="list-style-type: none">• August Huber III, Chair Class “A” Contractor• (unoccupied) Class “B” Contractor• Brett Standard Class “C” Contractor• William Jones Class “D” contractor• Jim Brown Building Official• Mitch Dringman Building Official• Don West Class “D” contractor• David Elliott General public representative• Matt Wild Architect/engineer	<ul style="list-style-type: none">• Caleb McCandless, Chair• Don West• Dr. David Jones• David Elliott• Michael Sandifer• Paul Alvarado, Sr.• Jason Wright• Bill Jones	<ul style="list-style-type: none">• Jay C. Leipzig Director• Samantha Nichols Asst. Program Manager• Shiloh Wells License Monitor• Wendy Hamilton License Monitor

Monday, March 14, 2022

14-1A NEC Article 700, 701 & 702 - Emergency and Standby Electrical Systems, Based on the 2020 National Electrical Code

8 a.m. to 5 p.m. 8 Hours Code Credit (A, B, C, DE)

This presentation will cover Emergency and Standby Electrical Systems as referenced in NEC Article 700 – Emergency Systems, Article 701 – Legally Required Standby Systems, and Article 702 – Optional Standby Systems, and include the following:

- Why Emergency & Standby Power?
- Building Egress
- Building Safety Systems
- Prevention of Catastrophic, Life Threatening, Industrial Process Failure
- Building Safety Systems
- Building Mechanical Systems
- Industrial Processes
- Business Continuity
- Occupancy Comfort

Instructor: Michael Panethiere

14-1B NEC Article 430 - Motors and Article 450 - Transformers, Based on the 2020 National Electrical Code

8 a.m. to 5 p.m. 8 Hours Code Credit (A, B, C, DE)

This presentation will cover Motors referenced in NEC Article 430 – Motors, Motor Circuits, and Controllers, and Article 450 – Transformers and Transformer Vaults, and will include the following:

- Motor Branch-Circuit Conductors
- Motor and Branch-Circuit Overload Protection
- Motor Branch-Circuit Short-Circuit and Ground-Fault Protection
- Motor Feeder Conductors
- Motor Feeder Short-Circuit and Ground-Fault Protection
- Motor Control Circuits and Motor Starting
- Reduced Voltage Starting
- Variable Frequency Drives
- Single-Phase Transformers
- Three-Phase Transformers
- Wye and Delta Configurations
- High-Leg Delta Transformers
- Transformer Sizing
- Transformer Overcurrent Protection
- Transformer Grounding

Instructor: Michael Panethiere

14-2A Cutting Corners Never Pays - Complying with the Kansas Consumer Protection Act

8 a.m. to 10 a.m. 2 Hours Non-Code Credit

This course will present an overview of the Kansas Consumer Protection and compliance with Kansas law. The history, purpose and application of the KCPA will be discussed, as well as specific examples of home improvement-related cases prosecuted by the District Attorney's Office under the authority of the KCPA. Other topics to be discussed are contract formation, advertising compliance, special rules during times of disaster and mediation of consumer complaints.

Instructors: Jerry Howland, Tivol Lewis, and Dave Parker

14-2B Business Succession and Preparing for Proposed Tax Law Changes: Assuring the Successful Continuation of Your Company

10 a.m. to 12 p.m. 2 Hours Non-Code Credit

In understandable language, business owners will learn about proposed tax law changes that could have a direct impact on their overall wealth. In addition, there will be discussion surrounding vital strategies in the areas of business succession and wealth preservation as well as eventual transition of assets (with special focus on their businesses). Typically, the more successful business owners become, they also become more vulnerable. Accordingly, techniques will be discussed showing how to combat those vulnerabilities and assure that the business remains ongoingly successful! Among the areas of focus will be why profitable businesses ultimately fail, the importance of business owners coordinating business succession plans with estate plans, addressing active vs. inactive children within a family business (does it make sense to leave the business and related businesses to all your children?), liquidity issues, valuation methodologies that will satisfy the IRS while lowering the tax bill, the proper type of buy-sell agreement that allows for maximum tax savings/cost efficiency and frequent insurance funding mistakes that oftentimes result in massive tax liabilities that could have been legally avoided. The session concludes by tying in many of the areas of the seminar discussion into a compelling real life family business case!

***Special attention will be given to the recent proposed changes to the federal estate tax law and capital gains tax, the adverse impact it creates for business owners, and how to combat the change!

Instructor: Leon Resnick

14-2C Inside or Out? Building a Better Residential Envelope

1 p.m. to 5 p.m. 4 Hours A, B, C, DM, DR, DW Code Credit

Johnson County and its member communities have adopted different variations of the 2018 IECC. As home builders in our mixed humid climate, what are your options for new residential construction components from the ground to the roof in order to satisfy code compliance, avoid call-backs, and ensure your homeowners stay happy? Today's home buyers have access to all the information that we have, as contractors. In his book To Sell Is Human, Daniel Pink explains how we've moved from a world of caveat emptor, buyer beware, to one of caveat vendor, seller beware- where honesty, fairness, and transparency are often the only visible path. As a result of this class, you will be better informed on what your choices are to insulate and air seal your houses for better performance, durability, health, and comfort. This class deals specifically with the envelope. The mechanical equipment will be covered in Part 2 of this presentation, Lean, Mean, Conditioning Machines.

Instructor: Rick Jenkins

14-3A General Engineering Wood Products/Floor Framing

8 a.m. to 10 a.m. 2 Hours A, B, C, DW Code Credit

We will go over reading and understanding layouts and the framers guide as well as general floor framing details. We will look at floor ratings and how that relates to them. We will also talk some do's and don't's.

Instructor: Paul Cast

14-3B Engineered Wood Products (Tall Wall Action)

10 a.m. to 12 p.m. 2 Hours A, B, C, DW Code Credit

We will be going over some sizing of tall wall members, general tall wall details and framing, and the hardware these walls require. This class will include some wall bracing discussions

Instructor: Paul Cast

14-3C Commercial Roof Membranes

1 p.m. to 5 p.m. 4 Hours A, B, C, DR, DW Code Credit

This class will describe many approved roof membranes in market compliance with IBC and the roofing industry. We will discuss the most common commercial roof membranes such as single-ply roofing, metal roofing, spray polyurethane foam and roof coatings.

Instructor: Ed Stork and Craig Raiford

14-4A Medical Gas Piping and Installation according to NFPA 99 Health Code

8 a.m. to 12 p.m. 4 Hours A, B, C, DP Code Credit

This will include basic information for the installation and testing for medical gas piping systems in accordance to the code. The changes that have taken place between the code changes also.

Instructor: Bobby Doran

14-4B Multipurpose residential fire sprinkler systems in accordance to NFPA 13D systems and IRC chapter 29 of the code

1 p.m. to 5 p.m. 4 Hours A, B, C, DP Code Credit

This will include the installation and safety requirements for the residential fire sprinklers. We will discuss the changes in the code, costs and benefits of multipurpose residential fire sprinklers.

Instructor: Bobby Doran

14-5A Venting for Gas Appliances

8 a.m. to 12 p.m. 4 Hours A, B, C, DM, DP, DS Code Credit

Course includes extensive coverage of the proper, code required installation of venting for gas burning appliances. A unique picture gallery, The Wall of Shame, is used to show the common mistakes made in venting. The course starts with an introduction to carbon monoxide exposure and continues with discussion of vent and chimney inspection, vent connectors and common flues, manifolds and offsets, clearances and masonry chimney kits.

Instructor: Don West

14-5B Mechanical Contractors Guide to the Codes

1 p.m. to 5 p.m. 4 Hours A, B, C, DM Code Credit

Considering we all work in the permitting and inspection environment almost every day, it is interesting that as contractors, we know so little about the world of building inspection. During this class, your instructor will explain and discuss the administrative and inspection provisions of the codes we all work with. Develop a better understanding of little known, but important features and requirements of the code, during this course led by an experienced mechanical contractor. You will learn practical information designed to help you navigate the codes, permits, and the inspection process, while you gain valuable tools for working as a contractor in the code environment.

Instructor: Don West

14-6A 2018 IEBC Essentials

8 a.m. to 5 p.m. 8 Hours A, B, C, DF Code Credit

This session will introduce to the attendee the important concepts of the 2018 Existing Building Code. The instructor will provide a basis for the correct use and application of this code, an important tool in dealing with existing buildings. This course will cover the classifications of work in existing buildings using the compliance alternative tabular method of evaluation the building. Sections covered will include fire protection system that should be upgraded, vertical openings to be protected, the replacement of unsafe interior finishes, adequate means of egress, improvements to structural system and needed accessibility alterations. This is an important course for those that frequently work in the existing building structure environment.

Instructor: Tim Ryan

2018 IRC Significant Changes

8 a.m. to 5 p.m. 8 Hours A, B, C, DE, DF, DM, DP, DR, DS, DW Code Credit

Class reviews many of the significant changes that occurred during the 2015 and 2018 code development cycles.

Instructor: Mike Davis

Tuesday, March 15th, 2022

15-1A NEC Article 220 - Dwelling Unit Electrical Load Calculations, Based on the 2020 National Electrical Code

8 a.m. to 12 p.m. 4 Hours A, B, C, DE Code Credit

This presentation will be an overview of Electrical Load Calculations for Dwelling Units as referenced in NEC Article 220 – Branch-Circuit, Feeder, and Service Load Calculations, and will include the following:

- Lighting Loads and what's included.
- Utilization Voltages for Calculations, Designing with NEC Requirements.
- Loads for Additions to Existing Dwelling Unit Installations.
- Receptacle Outlet Calculations, Maximum Demand.
- General Lighting Load Demand Factors.
- Small Appliance, Large Appliance, and Laundry Loads
- Electric Clothes Dryers, and Electric Cooking Appliance Load and Demand Factors.
- Utilizing the Optional Feeder and Service Load Calculations for New and Existing Installations for Single Family Dwellings and Duplexes.
- Utilizing the Optional Feeder and Service Load Calculations Multifamily Dwellings, Apartments, Townhouses and Condominiums.

Instructor: Michael Panethiere

15-1B NEC Article 220 - Commercial Building Electrical Load Calculations, Based on the 2020 National Electrical Code

1 p.m. to 5 p.m. 4 Hours A, B, C, DE Code Credit

This presentation will be an overview of Electrical Load Calculations for Commercial Buildings as referenced in NEC Article 220 – Branch-Circuit, Feeder, and Service Load Calculations, and will include the following:

- Lighting Loads and what's included.
- Utilization Voltages for Calculations, Designing with NEC Requirements.
- Review of Three-Phase Power
- Receptacle Outlet Demand Calculation
- General Lighting Load and Demand Factors.
- Calculation of Continuous and Non-Continuous Loads
- Feeder Sizing
- Selection of Overcurrent Protection and the 80% Factor
- Commercial Kitchen Equipment Demand Calculation

instructor: Michael Panethiere

15-2A 2018 International Plumbing Code Review

8 a.m. to 5 p.m. 8 Hours A, B, C, DP Code Credit

This course will cover the International Plumbing Code and the elements without the code that most effects your daily work. Hear from an experienced instructor and code official and cover sections related to general applications, materials, piping, venting and fixtures.

Instructor: Joseph Montoya

15-3A Deck Design and Construction

8 a.m. to 12 p.m. 4 Hours A, B, C, DW Code Credit

This session will provide Class C contractors, designers, building inspectors, and plan reviewers with the information needed to determine if the minimum requirements for deck construction set forth in the 2018 International Residential Code and the most recent revision of the Johnson County Deck Design and Construction brochure have been met. Participants will learn:

- o The mechanics of wood used in deck construction
- o How to size joists, beams, posts, and piers
- o Proper specification and use of fasteners
- o How to draw construction and plot plans for permitting process

While this course is aimed at Class C and DW contractors, both Class A and B contractors will find the instruction interesting and will receive code credit for the class.

Instructor: Dave Utterback

15-3B How to Fail Your Next Rough-In

1 p.m. to 5 p.m. 4 Hours A, B, C, DE, DF, DM, DP, DR, DW Code Credit

This session provides contractors, designers, and code enforcement officials with the needed information to determine if the minimum requirements for wood framing set forth in the 2018 International Residential Code have been met. Many of the most common framing errors that will cause you to fail your next rough-in will be covered in this 4-hour program. Not all problems have an easy solution; engineering may be required. Non-engineered solutions will be presented where possible. This class will be of greatest interest to Class C and framing contractors, but roofing, electrical, plumbing, and mechanical subcontractors working in wood framed structures, as well as building inspectors will find this class very useful. This course will also provide code credit to Class A and B contractors.

Instructor: Dave Utterback

15-4A Rainwater Collection

8 a.m. to 5 p.m. 8 Hours A, B, C, DP Code Credit

This course will give you the opportunity to learn about the design, benefits and installation, along with treatment of rainwater harvesting. We will discuss an innovative alternative water supply approach anyone can use. Implementing rainwater harvesting is beneficial because it reduces demand on existing water supply, and reduces run-off, erosion, and contamination of surface water. Rainwater can be used for nearly any purpose that requires water. These include landscape use, storm-water control, wildlife and livestock watering, in-home use, and fire protection.

Instructor: Bobby Doran

15-5A Overview of Automatic Fire Sprinkler Systems based on the 2018 IBC & IFC, and the Application of NFPA 13, 13R & 13D 2016 Editions

8 a.m. to 12 p.m. 4 Hours A, B, C, DF, DP Code Credit

This course provides an over view of 2018 IBC, IFC and NFPA provisions addressing the use of automatic fire sprinkler system. NFPA 13 is an installation standard and does not specify which buildings or structures require a sprinkler system. NFPA 13 specifies how to properly design and install a sprinkler system using the proper components and materials after it has been determined that a sprinkler system is required. NFPA 13 is applicable to a variety of commercial buildings—both residential and nonresidential—NFPA 13R is essentially only applicable to low-risk residential structures that consist of four stories or less. IBC and IFC will be identifying which building or structures requires to have Automatic Fire Sprinkler system.

Instructor: To Be Announced

15-5B Overview of Automatic Fire Alarm & Detection Systems based on 2018 IBC, IFC, and the Application of NFPA 72, 2016 Edition

1 p.m. to 5 p.m. 4 Hours A, B, C, DE DF Code Credit

This course provides an overview of 2018 IBC, IFC and NFPA 72 provisions addressing the use of Automatic Fire Alarm system. NFPA 72 only provides requirements for the installation, performance, testing, inspection, and maintenance of the fire alarm system. IBC , IFC and other codes determine whether a fire alarm system is required in a given occupancy. The requirements contained in these codes govern when such systems shall be installed and maintained on the premises and the occupancies as specified.

Instructor: To Be Announced

15-6A Essential Skills for Rising Leaders

8 a.m. to 5 p.m. 8 Hours A, B, C, DE, DF, DM, DP, DR, DS, DW Code Credit

If you aspire to hold a leadership role or have recently assumed one, now is the time to build upon your skill set. This session will help learners gain valuable insights and take your skills up a few notches. This training will help you be the best leader you can be while also providing you the tools to develop a plan for getting even better! Objectives will focus on:

- Techniques that will assist in earning respect from co-workers.
- Identify and discuss skills and characteristics of successful leaders.
- Develop a strategy to master these skills.
- Advance your professional development by brushing up on some soft skills.
- Describe what constitutes the “right mindset”.
- Boost your project management skills.

Our instructor has many years as a top leader in his organization and is a frequently sought after presenter. Come see if you can become a better leader for your organization or company.

Instructor: Tim Ryan

15-7A 2018 IRC Life and Fire Safety

8 a.m. to 12 p.m. 4 Hours A, B, C, DW Code Credit

Class will concentrate on the fire and life safety provisions contained in Chapter 3 of the IRC including requirements for means of egress, emergency escape and rescue, smoke detectors, CO detectors, safety glazing and fire sprinklers.

Instructor: Mike Davis

15-7B 2018 IRC Electrical Essentials

1 p.m. to 5 p.m. 4 Hours A, B, C, DE Code Credit

Class covers essential code provisions contained in chapters 34 through 43 of the 2018 International Residential Code that home builders, remodelers and others should be aware of before beginning the planning or construction of a project on a residence regulated by the International Residential Code.

Instructor: Mike Davis

Wednesday, March 16th, 2022

16-1A NEC Article 250 - Grounding and Bonding, Based on the 2020 National Electrical Code and Soares Book on Grounding

8 a.m. to 5 p.m. 8 Hours A, B, C, DE Code Credit

This presentation will be an overview of Grounding and Bonding as referenced in NEC Article 250 – Grounding and Bonding, and will include the following:

- System Grounding and Earth Grounding
- Equipment Grounding
- Grounding Electrode Conductors
- Types of Grounding Electrodes
- Grounding Electrode Conductors
- Main Bonding Jumper
- The Low-Impedance Path
- Equipment Grounding Conductors
- Supply-Side Bonding Jumper
- Metal Piping and Bonding
- Bonding Jumpers
- Electrical Service Grounding
- Transformer Grounding

Instructor: Michael Panethiere

16-2A Accessible Design Growth Edges in the Age of Pandemics

8 a.m. to 5 p.m. 8 Hours A, B, C Code Credit

The course covers historic pandemic responses by government, designers, and society at large. The responses of groups like health care engineers, the International Code Council, the American Institute of Architects and other industries is discussed. The program offers targeted and specific pathogen control strategies for persons with vision, hearing and mobility impairments, chemical sensitivities, and other types of disabilities. The content includes compliant design accommodations that create obstacles among different types of disabilities and questions how better to address those conflicts with pathogen management as the theme. Topics include touching of surfaces; the intersection of time and exposure; HVAC and plumbing systems; virus viability on surfaces, queuing strategies, public way finding apps, and more.

Instructor: Richard Sternadori

16-3A Erosion & Sediment Control Certification

8 a.m. to 12 p.m. 4 Hours A, B, C, DE, DF, DM, DP, DR, DS, DW Code Credit

This course will cover the history of the Clean Water Act, principles of erosion control and sedimentation, common erosion and sediment controls and inspections criteria. The permitting requirements for construction site and land disturbance will be covered. The attendee will be able to complete a Notice of Intent under the State of Kansas General Permit, and complete a storm water pollution prevention plan (SWPPP). Participants who attend the course and pass an exam at the end will receive a certificate.

Instructor: Doug Carpenter

16-3B 2018 IBC Post Frame Construction; It's not just a Pole Barn

1 p.m. to 5 p.m. 4 Hours A, B, C, DR, DW Code Credit

Class will look at the IBC and IRC requirements for post frame construction, what types Occupancy Classifications they are compatible with and review typical industry standard designs of this building structure type then look at the Miami County Post Frame building standard to see how it addresses the design issues.

Instructor: Mike Davis

16-4A Anchors for Residential Use

8 a.m. to 10 a.m. 2 Hours A, B, C, DW Code Credit

This class will look at the various anchor solutions used for residential construction for framing and in conjunction with metal connectors. After reviewing various applications, attendees will get an inside look at anchor failures and why anchor choices matter.

Instructor: Josh McIntyre

16-4B Troubleshooting Tough Wall Bracing Areas

10 a.m. to 12 p.m. 2 Hours A, B, C, DW Code Credit

Attendees will learn about wall bracing principles, requirements in the code, limitations of prescriptive bracing methods, and solutions for troublesome areas of the structure

Instructor: Jackie Flemming

16-4C Commercial Kitchen Ventilation Systems

1 p.m. to 5 p.m. 4 Hours A, B, C, DM Code Credit

Whether it is a restaurant, school, or office building, many projects have commercial kitchens. Despite the project location, the same challenges exist and must be accounted for in building codes. Building codes address fire and life safety, kitchen conditions, and IAQ. To discuss those codes, this presentation will include:

- The purpose and theories of commercial kitchen ventilation equipment
- Differentiation between Type I, Type II, and residential exhaust hoods
- How NFPA and IMC codes guide commercial kitchen equipment design and installation

Instructor: Jayce Tschirgi

16-5A Understanding Common Concrete Slab Problems and How to Avoid Them

8 a.m. to 10 a.m. 2 Hours A, B, C Code Credit

Placing and finishing interior and exterior concrete slabs that meet the customers' expectations can be challenging. Often things such as cracking, scaling, discoloration and delamination can occur resulting in customer complaints and costly call backs. Understanding the causes of these problems and learning how to avoid them can help reduce the number of complaints.

Instructor: Dave Suchorski

16-5B Industry Standards & Application for Concrete Curing & Concrete Repair

10 a.m. to 12 p.m. 2 Hours A, B, C Code Credit

The first part of the seminar will address common mistakes and resulting surface defects made when curing concrete. It will cover the industry recommended methods and best practices for curing concrete to ensure better performance and longevity of the material. The seminar will also cover best management practices for existing concrete for assessment, repair, and rehabilitation, using industry standards and ACI 562 as a guide.

Instructor: Matthew Carter

16-5C Lean, Mean, Conditioning Machines, HVAC Systems Success

1 p.m. to 5 p.m. 4 Hours A, B, C, DM, DR, DW Code Credit

Johnson County and its member communities have adopted different variations of the 2018 IECC. As home builders in our mixed humid climate, what are your options for new residential heating, ventilation, and air conditioning components from the equipment to the delivery system (ductwork) to satisfy code compliance, avoid call-backs, and ensure your homeowners stay happy? Ventilation will be addressed in depth. Today's home buyers have access to all the information that we have, as contractors.

In his book *To Sell Is Human*, Daniel Pink explains how we've moved from a world of caveat emptor, buyer beware, to one of caveat vendor, seller beware- where honesty, fairness, and transparency are often the only visible path. As a result of this class, you will be better informed on what your choices are for heating, cooling, and ventilating your houses for better performance, durability, health, and comfort. This class deals specifically with the HVAC plan and execution.

Instructor: Rick Jenkins

16-6A Overview of Solar Technologies and Solar Construction

8 a.m. to 12 p.m. 4 Hours A, B, C, DE, DW Code Credit

More and more homes are incorporating solar as a method to reduce energy usage and lower energy rating index numbers. This course will provide a primer on the various types of solar energy used in residential homes, passive solar, active solar, solar thermal (water & space heating), and solar photovoltaic systems will be introduced and explained. The history of solar systems and room construction will be covered as well as what the future looks like for solar in residential housing stock.

Instructor: Ken Riead & Sharla Riead

16-6B What does Electrification of Everything mean for residential contractors, builders and code officials?

1 p.m. to 5 p.m. 4 Hours A, B, C, DE, DM, DW Code Credit

The term Electrification of Everything describes a new concept of aggressive electrification of all energy end uses. This includes water heating, space heating, cooking and other energy uses in new and existing housing stock. What is this concept about? How does it work? Why is it a thing? And how will it affect contractors, builders, and code officials? This session will provide a background of the "Electrification of Everything" concept, details about the impact to residential construction and remodeling, demand side management electric structures and potential costs, benefits and impacts of mass electrification.

Instructor: Ken Riead & Sharla Riead

16-7A 2018 Type A & B Units in Multi-Family Dwellings

8 a.m. to 12 p.m. 4 Hours A, B, C, DE, DF, DM, DP, DR, DS, DW Code Credit

In Group R-2 apartment buildings, it is often necessary to provide both Type A and Type B dwelling units. This seminar will identify under what conditions Type A and B units are required, as well as the technical requirements for these specific types of dwelling units. The discussion will focus on both the scoping provisions in 2018 IBC Chapter 11, as well as the technical criteria set forth in ICC A117.1-2009. The scoping requirements for public and common-use areas associated with apartment buildings, including parking and recreational facilities, will also be addressed.

Instructor: Jay Woodward

16-7B 2018 IBC Use of Fire and Smoke Separations

1 p.m. to 5 p.m. 4 Hours A, B, C, DE, DF, DM, DP, DR, DS, DW Code Credit

This seminar identifies the many and varied conditions identified in the IBC where fire and/or smoke separations are required. The discussion will focus on those required locations where fire-resistance-rated wall and horizontal assemblies, as well as smoke-resistive wall and horizontal assemblies are either required by the IBC or utilized by design professionals as alternative approaches to code compliance. Such locations include the selective or mandated use of fire walls, fire barriers, fire partitions, smoke barriers, horizontal assemblies and other separation elements.

Instructor: Jay Woodward

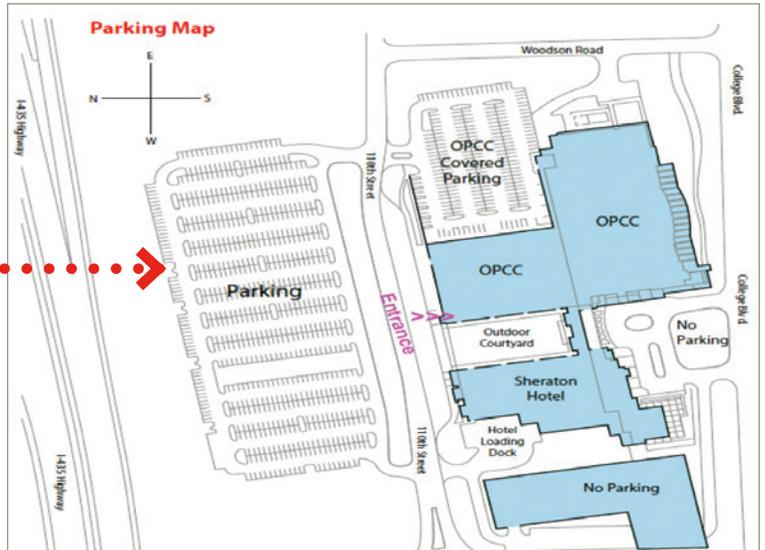
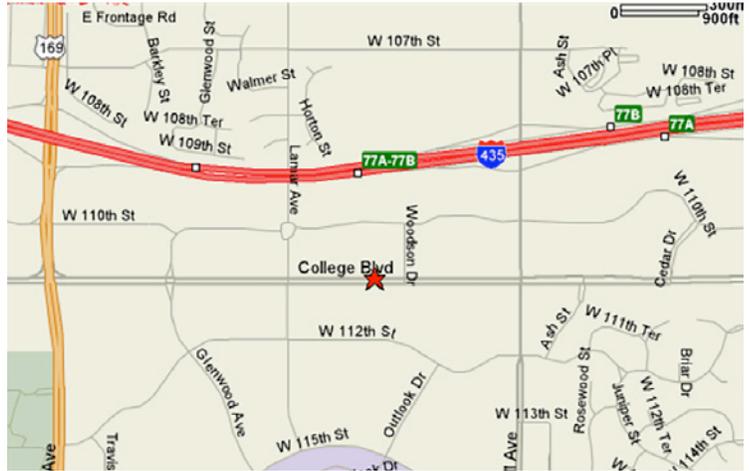
Seminar site information

Overland Park Convention Center

6000 College Boulevard
Overland Park, KS 66211

The convention center is located on the south side of I-435 between the Metcalf and Nall highway exits.

Parking guidelines are also available.



Accommodations

Hyatt Place Convention Center is offering a group rate of \$109.00 (plus tax), per night for the Johnson County Licensing Group. Guests can feel free to contact our central reservations department to make their reservations at 1-888-492-8847.

What you'll enjoy:

- Spacious guest rooms with 42" TVs for movie nights and much more.
- Complimentary amenities: Make the most of free Wi-Fi, daily breakfast and access to a 24-hour StayFit® gym.
- Less than a mile from meetings at the Overland Park Convention Center.

Additional hotels

There are a number of area hotels close to the Overland Park Convention Center. Here are some options:

- Sheraton OP Convention Center
6100 College Blvd.
Overland Park, KS
913-234-2100 • 800-325-3535
- Hilton Garden Inn Overland Park
5800 College Blvd.
Overland Park, KS
913-345-2661 • 800-445-8667
- Courtyard Marriott Convention Center
11001 Woodson, Overland Park, KS
913-317-8500 • 888-236-2427
- Cloverleaf
6300 W. 110 St., Overland Park, KS
913-491-3333 • 888-433-9765
- Holiday Inn Suites Convention Center
10920 Nall, Overland Park, KS
913-312-0900 • 866-276-8038
- Extended Stay America KC OP
5401 W. 110th St., Overland Park, KS
913-661-7111 • 800-804-3724
- Super 8 Motel
10750 Barkley St., Overland Park, KS
913-341-0100 • 800-441-1618
- Hampton
10750 Barkley St., Overland Park, KS
913-491-9002 • 800-833-1516
- Days Inn Overland Park
6800 W. 108 St.
Overland Park, KS
913-341-4440 • 800-800-8000

Instructors:

Carpenter: Doug Carpenter is a senior design and construction specialist in the water environment group at George Butler Associates. He has worked at GBA for the past 14 years and has provided design consultation and project management for many storm water and sanitary projects around Kansas City and the Midwest. Carpenter has a bachelors degree in Geology from the University of Kansas and is both a certified professional in erosion and sediment control as well as a certified professional in storm water quality.

Carter: Matthew Carter has over 16 years' experience in various roles of the concrete construction industry and has worked for Dayton Superior Corporation since 2012. Matthew is the Technical Service Manager with the Chemical Division with Dayton Superior, which is a single-source provider of concrete accessories, chemicals, forming and paving products for the construction industry. Matthew is an active member of ICRI at both the national level, serving on multiple committees, and with ICRI Great Plains as the Technical Chair for several years prior to becoming the 2020 Chapter President. Matthew is also a member of the ACI Kansas chapter including serving as the 2021 Vice President, being an ASTM C09 voting member and a member of the Concrete Promotional Group.

Doran: Bobby Doran has been a master plumber for over 30 years and began his teaching career with Texas A&M University Engineering Extension Service (TEEX) in 1994. He has been involved in the Continuing Education program since the initial 1993-1994 program. He taught with TEEX in the beginning and became an Individual Provider approved by the state in 2000. In addition, he instructs at the Builders Professional Institute on subjects related to code, along with other conventions or sessions as requested. Bobby currently writes chapters for the Texas and Louisiana continuing education books. Bobby is requested to offer Plumbing Continuing Education to customize his courses given to specialized groups throughout the state due to his ability to deliver a concise and highly informative presentation in a straightforward, business-like manner. He represents various law firms as a professional plumbing witness in reference to Licensing laws and codes.

Montoya: Joseph Montoya has over 30 years' experience in building, plumbing, and mechanical installation, service and inspections. He has been licensed as a plumbing contractor in the state of California and holds a current master plumber license in the state of Colorado. Currently Montoya works for the town of Castle Rock as chief building official and in his free time, he teaches plumbing, mechanical, and fuel gas code classes at Red Rocks Community College, and building code classes at Community College of Denver. He also bicycles.

Panethiere: Michael Panethiere, P.E., serves as a professor of practice at the University of Kansas, School of Engineering. He teaches courses in electrical power distribution and construction engineering management, and is the director of electrical power systems laboratory, at the Lawrence campus. Panethiere is also the principal of M Panethiere & Associates, P.A., Architecture and Engineering Consultants, Olathe, Kansas, and Lake Ozark, Missouri, and has over 35 years of experience in the electrical engineering and construction fields. He holds a bachelor's degree in electrical engineering and earned a master's degree in electrical engineering from Kansas State University. He is finishing his dissertation for a Ph.D. in systems engineering through Colorado State University. He is a registered engineer in 22 states, is a licensed master electrician, a certified electrical inspector, a member of IAEE, NFPA and a senior member of IEEE.

Mike also serves as a board member for the Johnson County Board of Code Review. He is well known as an expert witness and electrical forensic investigator and has written papers on the subject of electrocution and electrical shock hazards associated with grounding issues. His firm provides electrical design-build services, arc-flash analysis and electrical plan review. He also regularly lectures and presents seminars and certified training covering electrical grounding and bonding, electrical safety with emphasis on NFPA 70E and OSHA requirements regarding arc-flash hazard analysis, mitigation, labeling and protection.

Resnick: Leon B. Resnick is a partner in Resnick Associates / Resnick Succession Group, a nationally recognized business succession, estate planning, and life insurance advisory and implementation planning firm with offices in Overland Park, KS and Philadelphia, PA. Lee has spoken before and worked extensively with over 250 trade Associations, including Johnson County Contractors and Home Builders Association of Kansas City, and their business owner members individually. Coca-Cola has also had the firm present to their privately owned bottling company owners. The firm has written and been interviewed for many articles in business magazines, newspapers, and trade journals on the topics of business succession, estate planning, and proper due diligence and acquisition of life insurance for the privately held business owner. Lee has been featured in Nation's Business, as well as in the book, Streetwise Marketing Plan. The firm is a co-founder of the Elizabethtown College Family Business Center in Elizabethtown, Pennsylvania, one of the largest college based family business centers in the United States.

Riead: Ken Riead is the owner/manager of Doff Industries and primary developer of DesignCharrette.com and Energy Mortgage Network, plus is a co-developer of the EnergySmart Institute. Ken Riead has been well known in the fields of energy conservation, renewable energy and environmental practices for over 30 years. His focus has been on promoting education for both consumers and professionals. During his tenure on the board of the Colorado Thermal Insulation Association, Ken helped write the first set of energy codes for Denver, which were later enacted into law. He also served on the board of the Denver Solar Energy Association. While at DSEA he helped organize the first Denver Passive Solar Home tour, which eventually evolved into the National Sustainable Homes Tour. Ken Riead worked in the late 1970s and early 1980s as the Director of the Denver Energy Conservation Laboratory and taught energy conservation courses at the Red Rocks Solar program, which at that time was the largest solar program in the United States with over 500 students. He has worked or consulted for several energy utilities, including Intermountain Rural Electric Association, the City of Independence, Missouri Power & Light and the Kansas City Board of Public Utilities. Ken is the recipient of many energy and environmental awards and recognitions.

Riead: Ms. Riead's energy and environmental experience began with her first energy audit in 1979 and spans years of progression from working as an energy auditor through construction and installation of solar panels to directorships and management of energy conservation and consulting companies and culminates in her leadership of Hathmore Technologies, LLC. Coming from a long line of women entrepreneurs, and with a strong social conscience and interest in alternative energy and energy conservation; Sharla started her company, performing on-site energy inspections and providing customers with punch-lists of improvements that could be made to improve the energy efficiency of their homes and lower their utility bills. For over five decades she has performed heat load calculations, residential energy diagnostics, solar and alternate energy design, energy conservation instruction, contracting and consulting. As a Certified Building Analyst and Envelope Specialist, Sharla assisted hundreds of homeowners with energy retrofit improvement analysis and design.

As a Certified Home Energy Rater, Ms. Riead and her team provides testing, certification, and program compliance services for national energy and environmental programs such as ENERGY STAR, NAHB Green Build, US Green Building Council's LEED® for Homes Program and Federal Energy Tax Credits. Sharla and her company have supported several hundred builders with their Green Building goals. Ms. Riead is a recognized leader in the fields of renewable energy, sustainable technology, energy efficiency and green construction. Hathmore Technologies, LLC is a Small Business Enterprise (SBE), a Woman-owned Business Enterprise (WBE) and a Disadvantaged Business Enterprise (DBE).

Ryan: Tim Ryan served the City of Overland Park for 40 years; all in the Building Safety Division. He served that community as a field inspector, plans examiner, field supervisor and as Code Administrator from 1998 until 2017. He currently serves as the Executive Director of the International Association of Building Officials and as a National and International Code Consultant. Tim graduated from Pittsburg State University with a Bachelor of Science Degree in Construction Management and Technology. He is certified in 15 separate categories of building code administration and management. He is well recognized as a public speaker and is highly regarded as an instructor on several topics of building and fire codes, legal aspects, emergency response, leadership and management. He served on the Board of Directors for the Building Officials and Code Administrators (BOCA), Intl. from 1993 through 2002, including as President of the board. He served 7 years on the Board of Directors for the International Code Council (ICC). He was appointed to the Board of Directors for the National Institute of Building Sciences in 2006 and is currently serving as one of six board members to be appointed to that Board by the President of the United States; Tim was appointed by President Obama in 2012. Tim was awarded ICC's Bob Fowler award for his outstanding leadership in furthering a safer built environment in 2012. Tim was awarded the Mortimer M. Marshal Award from the National Institute of Building Sciences in January 2018 for outstanding life time achievement.

Suchorski: Dave Suchorski is the Senior Technical Services Manager/Sales Manager with Ash Grove Cement Co, a graduate of the University of Wisconsin and a registered professional engineer in Kansas and Wisconsin. Dave has over 40 years' experience in the cement and concrete industry. He is involved as an active member and speaker in many national and local concrete industry organizations. He is a Fellow of the American Concrete Institute, is a past member of the Board of Directors and past chairman of the Curing Concrete Committee. He is also a member of the Parking Lot, Pervious Concrete, Cold Weather and Hydraulic Cements, Certification Programs and Chapter Activities Committees. Dave is a past president of the Kansas and Iowa-Minnesota ACI chapters.

Sternadori: Richard is the Senior Program Coordinator and Researcher for the University of Missouri (MU) Great Plains ADA Center since 2008. He has a Master of Architecture from MU where he is an honorary faculty instructor with the Department of Architectural Studies. He has a Master of Education in counseling psychology, specializing in disabilities rehabilitation. He recently concluded a five-year study researching 387 city and county governments across a four-state region, analyzing accessibility, design, and community livability for persons with disabilities. Richards background includes high rise and commercial construction as a master carpenter with the United Brotherhood of Carpenters and Joiners. Leaving the trades, he served 15 years as a Chief Building Official, garnering two awards and 13 certifications from the International Code Conference. (ICC) He chaired the Contractor Licensing Committee, which led to the ICBO contractor licensing exams used in all 50 states. He served 3 years on the Kansas State Board of Architects/Technical Professions. Richard is on the International Code Council Assisted Toileting and Bathing Task Force and the Texas state chapter of the American Institute of Architects (AIA) Equity, Diversity, and Inclusiveness Commission. He is a published author and consultant in issues of accessible design. His educational programs are approved by the ICC and AIA for continuing educational credits.

Tschirgi: Jayce is a technical and product knowledge expert who values dedication, service, and excellence. Jayce earned an engineering degree from the University of Missouri-Columbia which has furthered his understanding of mechanical and HVAC equipment. After joining the CaptiveAire Mechanical Direct Office, he has aided in the successful design of countless commercial kitchen ventilation systems to help end users achieve their dreams and visions as restaurant owners.

Utterback: Dave is a retired Building Inspector and Plans Analyst who was employed by the City of Lenexa, Kansas. He is also the proprietor of TimberTek Consulting, a firm specializing in building codes, educational seminars and developing best practice manuals. He holds a bachelor’s degree in Business Administration from Simpson College and a bachelor’s degree from Iowa State University where he studied residential architecture and design. During his carrier as an instructor, he has presented hundreds of seminars worldwide on building codes and wood frame construction. He has been invited to speak at industry conventions and trade shows and has had articles published in Fine Homebuilding, Journal of Light Construction, and Builder magazines. His article, “Field Guile to Common Framing Errors,” has been referenced as industry standards in the book Residential, and Light Commercial Construction Standards. He is also the author of Deck Construction and Design Guidelines, and other guidelines put together for the Contractor Licensing Program and endorsed by the Johnson County Building Officials Association.

West: Don has been the President of Don West Cooling and Heating, Inc., since 1991. A Block Certified Master Mechanic, Don has been one of the most popular instructors at the Contractor Licensing Seminars for years. Recognized nationally, Don has received the prestigious HARDI Guest Educator 2009 award for excellence and is a former Adjunct Instructor for Johnson County Community College. While Don has a well-deserved reputation for his expertise in the International Mechanical Code and the International Fuel Gas Code, he is widely considered one of the nation’s masters in the field of venting gas appliances. His unique ability to communicate the requirements of the code makes him highly sought after as a speaker. Don serves the Johnson County Contractor Licensing Program as a member of the Contractor Licensing Review Board, representing Class D Contractors.

Lunch menu

Monday, March 14

Mom's meatloaf with brown gravy
 Mashed potatoes
 Green beans
 Garden salad
 Cinnamon rolls

Tuesday, March 15

Chef's Brisket Chili
 Garden Green Salad
 Baked Potato Bar
 Broccoli &
 Cauliflower with
 Cheese Sauce
 Cornbread

Wednesday, March 16

Roasted whole hog
 Potato chips
 Coleslaw
 Macaroni & cheese
 Fruit salad
 Kaiser rolls
 Cinnamon rolls