

Agenda

Presented by Michael J. Fiebig

Fire Protection and Life Safety Design

- History of fire protection in building codes
- National and statewide fire codes
 - International Fire Code
 - National Fire Protection Association (NFPA) codes
 - International Building Code and International Residential Code
 - Local codes and ordinances
- Scope and purpose of codes and ordinances
- Code adoption and enforcement

Construction Types and Occupancy Classifications

- Overview of construction types for fire protection
- Overview of occupancy classifications
- Life safety issues specific to different occupancies
 - Separated versus non-separated occupancies
- Design specifications and scenarios

Means of Egress

- Evaluating the three components of a means of egress
 - The exit access
 - The exit
 - The exit discharge
- Calculating and determining occupant loads
 - Occupant load factors
 - Gross vs. net occupant loads
 - Egress capacity factors
- Arrangement and number of exits

Fire Protection Features and Equipment

- Passive fire protection
 - Combustible vs noncombustible construction
 - Fireproofing types and materials
- Active fire protection
 - Fire suppression/sprinkler systems
 - Fire and smoke alarm systems

Code Compliance Exercises

- Case studies:
- New construction
- Changing occupancy of existing buildings

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Complying with Fire Protection and Building Codes

Live, Interactive Webinar - Monday, June 13, 2022

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Learning Objectives

You'll be able to:

Review national and statewide fire codes.

Learn life safety issues associated with different occupancies.

Calculate and determine occupant loads.

Discuss passive and active fire protection.

Understand the changing occupancy of existing buildings.

HalfMoon Education Live Webinars

Complying with Fire Protection and Building Codes

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Discuss the history of fire protection in building codes

Understand fire protection features and equipment

Review construction types and occupancy classifications

Get a better understanding of codes with compliance exercises

Evaluate the three components of a means of egress

Continuing Education Credits

Professional Engineers
7.0 PDHs

International Code Council
.7 CEUs (Fire)

Architects
7.0 HSW CE Hours
7.0 AIA LU | HSW

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Faculty

Michael J. Fiebig holds a bachelor of Environmental Design degree from the University of Colorado, Boulder, and a Master of Architecture degree from the University of Colorado, Denver. He is a licensed architect in several states, and he provides both consulting and design services to clients throughout the country. Mr. Fiebig is an active member of the American Institute of Architects, as well as an NCARB certificate holder. He is a LEED green associate, as well as a certified fire protection specialist, credentialed through the National Fire Protection Association. As a forensic architect, Mr. Fiebig provides analysis of architectural standard of care in design and construction projects, with special emphasis on multi-family residential projects. He performs cause and origin analyses of building system installations and failures, including roofing systems, window and door systems, exterior wall cladding systems, waterproofing, and foundation systems, with a specialization in passive fire-resistive assemblies and active fire-protection systems. He provides premises liability analysis regarding slip/trip and fall accidents and accessibility code compliance, and provides maintenance and inspection procedure analysis with an emphasis on NFPA 25: Standard for the Inspection, Testing, and Maintenance of Water-based Fire Protection Systems. As well, he performs damage assessments on existing facilities related to storms, accidents, fire, and natural disasters. As a design architect, Mr. Fiebig provides traditional design services for residential and light commercial buildings, and he provides code consulting for clients, specializing in life/safety, egress, and fire protection code requirements to assist clients in properly designing and detailing these critical elements of design and construction. He also provides traditional services during construction including construction observations and special inspections when required by the jurisdiction of authority. Mr. Fiebig's experience includes several trial and deposition testimonies regarding design, construction, and the built environment, as well as mediation and arbitration support for litigation purposes. Mr. Fiebig holds active memberships in many professional organizations including AIA, NCARB, NFPA, USGBC, NICET, and others. He is a published writer in *Common Ground*, the national magazine for the Community Associations Institute.

Webinar Information

Log into Webinar 8:00 - 8:30 am CDT	Break 11:45 am - 12:15 pm CDT
Morning Session 8:30 - 11:45 am CDT	Afternoon Session 12:15 - 4:30 pm CDT

Tuition
\$319 for individual registration
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Additional Learning

- IBC Significant Changes:
Accessibility, Systems, and Materials**
- Fri, May 13, 2022 | 11:00 am - 3:30 pm CDT
- Revit Basics of Building Modeling**
- Fri, May 13, 2022 | 9:00 am - 1:00 pm CDT
- Fri, May 20, 2022 | 9:00 am - 1:00 pm CDT
- International Existing Building Code 2021**
- Tues, May 17, 2022 | 9:00 am - 4:30 pm CDT
- Managing Construction Projects**
- Thurs, May 19, 2022 | 8:30 am - 5:00 pm CDT
- Designing a Smarter Home**
- Mon,, May 23, 2022 | 8:00 am - 4:00 pm CDT
- Passive House: Planning, Design and Construction**
- Tues, May 24, 2022 | 8:30 am - 4:30 pm CDT
- Universal Residential Design**
- Wed, May 25, 2022 | 8:30 am - 4:30 pm CDT
- For more information
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Continuing Education Credit Information
This webinar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to licensed architects in all states.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU | HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

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The International Code Council has approved this event for .7 CEUs in the specialty area of Fire (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

Added Value:
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Registration

Complying with Fire Protection and Building Codes
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