

# Agenda

*Presented by Jeffrey D. Vernon, MCP, CBO*

## Introduction

### Means of Egress General

Ceiling height • Projections • Continuity

### Definitions

Exit access • Exit • Exit discharge • Floor area gross  
Floor area net • Public way • Ceiling height

### Occupant Load

Design occupant load • Cumulative occupant load  
Establishing occupant load with Table 1004.5 • Occupant load options  
Stairways • Mezzanines • Other egress components

### Means of Egress Sizing

Minimum width • Continuity • Egress convergence • Doors

### Required Means of Egress From a Space, Floor, or Building

Exiting from multi levels • Exiting from mezzanines  
Exiting from outdoor areas • Exit continuity

### Exits and Exit Access Doorways

Egress from spaces • Spaces with one exit or exit access doorway  
Stories with one exit • Distribution of exits  
Egress based on common path and occupant load

### Egress Configuration

Multiple exits or exit access doorway • Location of exits

### Exit Access

Egress through intervening spaces • Exit access travel distance • Measurement  
Exit access stairways

### Doors and Door Hardware

Door identification • Size of doors • Door swing • Landings  
Door arrangement • Door handles, latches and hardware • Hardware height  
Locks and latches • Bolt locks • Delayed egress locking  
Sensor release door locks • Electrically locked doors  
Panic and fire exit hardware

### Stairways

Width • Tread run and riser height • Landings  
Dimensional uniformity • Vertical rise • Roof access

### Exit Signs

Where required • Low level exit signs • Illumination • Power source

### Handrails

Where required • Height • Graspability • Continuity • Extensions

### Guards

Where required • Height • Opening limitations • Window openings

### Exit access

Egress through intervening space • Exit access travel distance  
Exit access stairways • Enclosures

### Corridors

Construction • Fire resistive rating • Minimum width • Air movement

### Exits

Interior exit stairways • Fire resistance • Termination  
Exit discharge • Emergency escape and rescue

## Architectural Application for Means of Egress in 2018 IBC

Live, Interactive Webinar - Thurs., February 11, 2021

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## Learning Objectives

### *You'll be able to:*

**Determine** occupant loads, including design occupant load and cumulative occupant load.

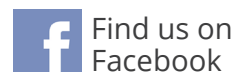
**Comply** with provisions on sizing for means of egress.

**Determine** means of egress from spaces, floors and buildings.

**Meet** requirements for exits, exit access doorways, and for doors and door hardware.

**Comply** with code provisions on corridors, stairways, handrails and guards.

**Consider** code requirements for exit signage.

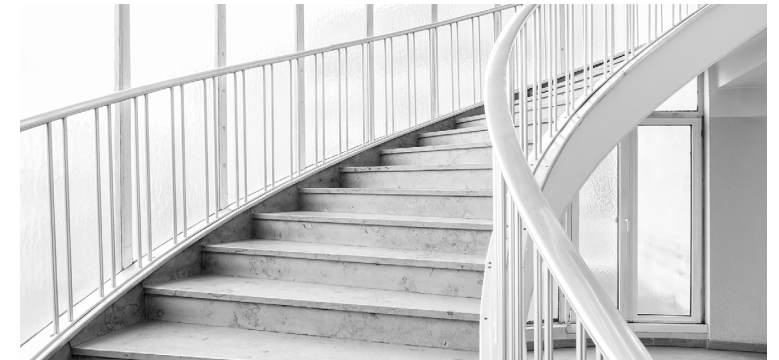


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## HalfMoon Education Online Learning

# Architectural Application for Means of Egress in 2018 IBC

*Live, Interactive Webinar - Thursday, February 11, 2021*



**Learn** to navigate effectively through the means of egress requirements and apply them efficiently to design application

**Establish** occupant loads

**Discuss** required number of exits from a space, floor and building

**Study** application of fire resistive elements in the means of egress

**Explore** means of egress in assembly occupancies

**Learn** about accessible means of egress

### Continuing Education Credits

#### **Professional Engineers**

7.0 PDHs

#### **Architects**

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#### **AIA**

7.0 LU | HSW

#### **International Code Council**

.7 CEUs (Building)



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# Faculty

**Jeffrey D. Vernon, MCP, CBO**  
*Building Code Administrator with Mecklenburg County Code Enforcement*

Mr. Vernon is a master code professional and a certified building official, and he holds North Carolina Level III certifications in all five trades (building, electric, mechanical, plumbing and fire). Mr. Vernon has been in the construction industry for over 40 years beginning with a six-year stint in the US Army where he served in Germany, Honduras, Alabama and at the US Army Engineer School in Ft. Belvoir, Virginia. He has worked in Prince William County in Virginia and in Lincoln, Gaston and Mecklenburg Counties in North Carolina. Through the years, he has been an inspector, a plan reviewer, a senior plan reviewer, and a department director among other job titles. Mr. Vernon is currently employed by Mecklenburg County Code Enforcement where he serves as the building code administrator. He has been a part-time instructor at Central Piedmont Community College for over a decade, and has served as a code consultant for University of North Carolina Charlotte’s fifth year Architecture students.

# Webinar Information

Log into Webinar	Break
8:00 - 8:30 am CST	11:30 am - 12:30 pm CST
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<b>Practical Site Engineering: Science &amp; Techniques</b> - Thurs., Jan. 14, 2021   11:00 am - 3:15 pm CST - Fri., Jan. 15, 2021   11:00 am - 2:15 pm CST	<b>Project Management Fundamentals for Engineers</b> - Tues., Jan. 26, 2021   8:30 am - 4:00 pm CST
<b>Commercial Provisions of the IECC</b> - Thurs., Jan. 14, 2021   11:00 am - 3:30 pm CST - Fri., Jan. 15, 2021   11:00 am - 2:00 pm CST	<b>International Building Code 2021</b> - Tues., Jan. 26, 2021   10:00 am - 2:30 pm CST - Wed., Jan. 27, 2021   10:00 am - 1:30 pm CST
<b>Engineered Lumber Design and Construction</b> - Fri., Jan. 22, 2021   8:30 am - 5:00 pm CST	<b>Basics of Structural Steel</b> - Wed., Jan. 27, 2021   9:00 am - 5:00 pm CST
<b>Structural Design Loads under the ASCE 7 Standard</b> - Fri., Jan. 22, 2021   8:30 am - 5:00 pm CST	<b>Designing Interiors for Human Wellness</b> - Thurs., Jan. 28, 2021   11:00 am - 3:05 pm CST - Fri., Jan. 29, 2021   11:00 am - 1:25 pm CST
<b>Designing for Accessibility under ADA Standards and the IBC</b> - Mon., Jan. 25, 2021   11:00 am - 2:45 pm CST - Tues., Jan. 26, 2021   11:00 am - 2:45 pm CST	<b>National Electrical Code 2020</b> - Fri., Jan. 29, 2021   8:00 am - 4:00 pm CST

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Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

# Registration

**Architectural Application for Means of Egress in 2018 IBC**  
Live, Interactive Webinar - Thursday, February 11, 2021

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<b>Phone:</b> 715-835-5900	<b>Additional Registrants:</b> Name: _____ Occupation: _____ Email: _____ Phone: _____  Name: _____ Occupation: _____ Email: _____ Phone: _____  Name: _____ Occupation: _____ Email: _____ Phone: _____	
<b>Fax:</b> 715-835-6066	<b>Code:</b>	<b>Complete the entire form.</b> Attach duplicates if necessary.
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
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