

Agenda

Presented by Eugene H. Brislin Jr., P.E./S.E.

Existing Buildings Code

- Historic background
- Southern Building Code Congress International (SBCCI)
 - Building Officials and Code Administrators International (BOCA)
 - International Conference of Building Officials
 - International Code Council – International Existing Building Code
 - Addition, alteration, repair
 - Prescriptive compliance method
 - Work area compliance method
 - Performance compliance method

Seismic Review for Existing Buildings

- Background for evaluation
- ATC 14
 - FEMA 178
 - FEMA 310
 - FEMA 356
 - ASCE 31
- Background for rehabilitation
- FEMA 273
 - FEMA 310
 - ASCE 41
- Combined Standard ASCE 41

ASCE 41

- Tier 1 - evaluation / screening
- Performance objective
 - Hazard level
 - Quick checks
- Tier 2 - deficiency based evaluation and retrofit
- Review deficiencies from tier 1
 - Analysis procedures
 - Element acceptance criteria
 - Element checks based on deficiencies
- Tier 3 – systematic evaluation and retrofit
- Full review
 - Analysis to confirm compliance with performance objective
 - Retrofit included – reanalyze for compliance with performance objective
- Tier 1 – example
- Tier 2 – example of deficiency checks

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Seismic Requirements for Existing Buildings

Live, Interactive Webinar - Tuesday, August 6, 2024

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HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

- Explore** the development of existing building codes.
- Discuss** the treatment of seismic retrofit under the International Existing Building Code.
- Explore** seismic evaluation of existing buildings under FEMA 310, FEMA 356 and ASCE 31.
- Dig** deep into ASCE 41 on seismic evaluation and retrofit of existing buildings.



HalfMoon Education Inc., Your LIVE Education Leader Presents Seismic Requirements for Existing Buildings

Live, Interactive Webinar - Tuesday, August 6, 2024



- Explore** the development of the International Existing Building Code, and discuss the treatment of seismic retrofit.
- Go** in depth with ASCE 41 standard on seismic evaluation and retrofit of existing buildings.
- Discuss** seismic review of existing buildings under FEMA and ASCE standards.

Continuing Education Credits

- | | |
|---|---|
| Professional Engineers
6.0 PDHs | International Code Council
.6 CEUs (Building) |
| Architects
6.0 HSW CE Hours
6.0 AIA LU HSW | |

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Webinar Information

Tuesday, August 6, 2024 | 9:00 am - 4:00 pm CDT

Log into Webinar: 8:30 - 9:00 am CDT

First Session: 9:00 - 11:30 am CDT

Break: 11:30 am - 12:00 pm CDT

Second Session: 12:00 - 2:00pm CDT

Break: 2:00 - 2:30 pm CDT

Third Session: 2:30 - 4:00 pm CDT

Tuition

\$339 for individual registration.

\$309 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

How to Register

- Visit us online at www.halfmoonseminars.org
- Call customer service at 715-835-5900

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Faculty

Eugene H. Brislin Jr., P.E./S.E. *Structural Engineer in Summerville, SC*

Mr. Brislin has been a professional engineer for more than 21 years and has designed many structures and performed many different types of analysis in that time. He has worked for a steel fabricator, an architectural/engineering firm and a seismic consultant, and he has been in private practice for over 13 years. Mr. Brislin earned his BSCE degree from The Citadel in Charleston, South Carolina, and his MSCE degree from the University of South Carolina. He has completed all his course work for his PhD degree but has not completed his dissertation. His graduate study work has been in mathematical elasticity. Mr. Brislin has worked on a wide variety of projects from arenas such as Gund Arena in Cleveland, Ohio, and the Edward Jones Arena in St. Louis, Missouri, to renovation and seismic retrofit of the South Carolina State House and the design of the Columbia South Carolina Museum of Art. He has done stress analysis on weapons systems for the Department of Defense and has consulted on cellular telephone concealment projects. Mr. Brislin's company routinely performs modal analysis of structures to provide more accurate seismic loads and to reduce the cost of seismic requirements through more advanced analysis techniques. The company is knowledgeable concerning structural dynamics and can perform a full dynamic analysis for complicated structures, and ductility requirements in concrete and masonry as well as welded steel moment connection requirements on toughness of steel.

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00049300) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Building (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).

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:

6.0 HSW LUs (AIA)

Additional Learning

AIA Contract Document Workshop

- Monday, July 1, 2024 | 8:30 am - 4:30 pm CDT

Sustainable Site Design

- Monday, July 1, 2024 | 8:30 am - 4:30 pm CDT

Deep Dive into Retaining Wall Layout for Site Designers

- Tuesday, July 2, 2024 | 9:00 - 11:00 am CDT

Managing Construction Projects

- Tuesday, July 2, 2024 | 9:00 am - 5:00 pm CDT

Modular Design and Construction

- Tuesday, July 2, 2024 | 1:00 - 3:00 pm CDT

National Electrical Code 2023: Grounding and Bonding

- Thursday, July 11, 2024 | 9:00 am - 5:00 pm CDT

Restoring Natural Spaces

- Friday, July 12, 2024 | 8:30 am - 4:30 pm CDT

Servicing and Maintaining EV Battery-Backed Chargers

- Monday, July 15, 2024 | 1:00 - 3:00 pm CDT

Roadmap to Ethical Issues in Construction:

A Primer for Design Professionals

- Tuesday, July 16, 2024 | 11:00 am - 1:00 pm CDT

Shallow Foundation Design, Construction and Repair

- Tuesday, July 16, 2024 | 8:30 am - 4:30 pm CDT

Brownfield Planning and Redevelopment

- Wednesday, July 17, 2024 | 10:00 am - 12:00 pm CDT

Deep Dive into Cool Roofs and Cool Walls

- Wednesday, July 17, 2024 | 12:30 - 2:30 pm CDT

Applying the Building Code to Cannabis Facilities

- Friday, July 26, 2024 | 8:30 am - 3:30 pm CDT

Historic Preservation, Restoration and Rehabilitation

- Monday, July 29, 2024 | 9:00 am - 4:00 pm CDT

High-Performance Building Envelope Design and Construction

- Monday, July 29, 2024 | 8:30 am - 4:00 pm CDT

Modular Construction and Prefabricated Components:

Residential, Multi-Family and Commercial Buildings

- Tuesday, July 30, 2024 | 9:00 am - 3:50 pm CDT

Design-Build Project Delivery

- Wednesday, July 31, 2024 | 9:00 am - 4:00 pm CDT

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