Credit Information

Designing in Accordance with ACI 318-19 (22): Building Code Requirements for Structural Concrete

This webinar is open to the public and is designed to qualify for 3.0 PDHs for professional engineers and 3.0 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 3.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .3 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: 3.0 HSW LUs (AIA)

Designing and Constructing Reinforced Concrete Retaining Walls

This webinar is open to the public and is designed to qualify for 3.0 PDHs for professional engineers, 3.0 HSW continuing education hours for licensed architects, and 3.0 HSW continuing education hours for landscape 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, architects and landscape architects via its registration with the American Institute of Architects Continuing Education System (AIA/CES) and the Landscape Architecture Continuing Education System (LA/CES). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 3.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 3.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .3 CEUs in the specialty area of Building (Preferred Provider No. 1232).

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Structural Concrete Webinars
- Designing in Accordance with ACI 318-19 (22)
- Designing and Constructing Reinforced Concrete Retaining Walls

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Structural Concrete Webinars

Designing in Accordance with ACI 318-19 (22): Building Code Requirements for Structural Concrete

- Monday, October 7, 2024 | 10:00 am - 1:15 pm CDT

Designing and Constructing Reinforced Concrete Retaining Walls

- Monday, October 7, 2024 | 2:00 - 5:15 pm CDT

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Designing in Accordance with ACI 318-19 (22): Building Code Requirements for Structural Concrete

Monday, October 7, 2024 | 10:00 am - 1:15 pm CDT

Tuition: $179 per registrant

Credits: Professional Engineers: 3.0 PDHs
Architects: 3.0 HSW CE Hours | AIA: 3.0 LU|HSW
International Code Council: .3 CEUs (Building)

Agenda:

- Terminology and Referenced Standards
- Structural System Requirements
- Loads
- Structural Analysis
- Slabs
- Beams and Columns
- Walls and Diaphragms
- Foundations
- Anchors and Connections
- Reinforcement Design

24 SWACI318 10 7 WEBR TD

Designing and Constructing Reinforced Concrete Retaining Walls

Monday, October 7, 2024 | 2:00 - 5:15 pm CDT

Tuition: $179 per registrant

Credits: Professional Engineers: 3.0 PDHs
Architects: 3.0 HSW CE Hours | AIA: 3.0 LU|HSW
Landscape Architects: 3.0 HSW CE Hours | LA CES: 3.0 HSW PDHs
International Code Council: .3 CEUs (Building)

Agenda:

- Applications for Concrete Retaining Walls
- Complying with Building Codes and Standards
- Determining Loads
- Designing Concrete Components
- Designing Reinforcement
- Workshop: Designing a Concrete Retaining Wall for a Parking Lot

24 SWDCRCRW 10 7 WEBR TD

Faculty

Paul Bennett, MS, PE, CBIE most recently was a principal engineer of Building and Structures with Exponent, but he has now founded BaseCamp AEC. He is a licensed civil engineer in 19 states and a licensed general contractor who has 20 years of experience in the design and construction industry. Mr. Bennett has a diverse background in civil, mechanical, and architectural engineering as those disciplines apply to buildings and infrastructure. He has hands-on construction experience working in the construction trades, including framing, excavation, concrete, adhered masonry veneer, construction of water resistive building envelopes, flooring, roofing, plumbing, mechanical, and finish carpentry. As an engineer, he has experience in the structural and architectural design of new buildings and the repair design of damaged structures. He has experience in the building code development process and has expertise in interpreting and applying building codes. Mr. Bennett has investigated structural and architectural damage induced by expansive soils, hail, wind, tornadoes, seismic events, fires and explosions, rain, progressive ponding, construction vibrations, and snow events, as well as failures caused by design or construction defects. He has investigated building envelope failures caused by defects in flashing, stucco, exterior insulating finish systems (EIFSs), windows/doors, cladding, roofing, water-resistive barriers, and plaza deck failures. Mr. Bennett has conducted hundreds of investigations of both steep and low-slope roofing systems for damage caused by snow, hail, wind, and construction errors. He has performed building product research on engineered wood products (such as OSB and plywood) and the effects moisture has on the strength and moisture transmission properties of those materials. He has experience in investigating building product failures for such products, spray foam insulation (SPF), engineered wood, roofing products, and fiber cement siding. Mr. Bennett has experience in investigating window and door performance and manufacturing problems. He has investigated window wall, curtain wall, and storefront glass systems in high rise and commercial buildings as well as typical residential windows. He is a member of the ASTM E06.51 Subcommittee on Performance of Windows, Doors, Skylights and Curtain Walls. Mr. Bennett understands building physics, hygrothermal analysis, and diagnosing moisture and condensation problems in buildings. He has investigated HVAC system problems and their impact on the indoor environment as well as occupant thermal comfort complaints. With experience as a general contractor, expertise in the building codes, and having designed architectural and structural repairs for structures, Mr. Bennett has evaluated and performed damage cost estimates and cost allocation reports for damaged structures. Mr. Bennett has offered opinions regarding the standard of care of the general contractor and the engineer of record. As a civil engineer Mr. Bennett has experience in design of grading, drainage, transportation, and utility system infrastructure. He has experience in site design for commercial, industrial, mixed-use, single family, and multi-family projects. Mr. Bennett has investigated several personal injury cases that occurred in and around structures including slip, trip, and fall incidents. With his hands-on experience in construction job site safety and an OSHA 30 certificate, he has investigated numerous incidents with construction-related injuries.

Dr. Evan Gerbo, PE is a project engineer with Basecamp AEC. He is a licensed civil engineer in Colorado who has five years of experience in the design and construction industry. He has a wide background in civil and architectural engineering as those disciplines apply to buildings and infrastructure. Dr. Gerbo has hands-on construction experience in the construction trades, including framing, excavation, and concrete and steel erection. As an engineer, he has experience in the repair design of damaged structures, strengthening of existing buildings, construction engineering fields, and interpretation and application of building codes. Dr. Gerbo has investigated structural and architectural damage induced by expansive soils, water intrusion, fires, construction defects, and vehicular impact. He has been involved with several litigation investigations regarding property damage as well as personal injury. Dr. Gerbo has experience in the strengthening of open web steel joist roof systems, evaluation and repair of wood and concrete deterioration in both conventionally reinforced and prestressed concrete structures, investigation of heaving/subsidence of residential and commercial properties, rehabilitation of historic steel and masonry structures, investigation of façade distress on tall commercial buildings, inspection of steel and concrete bridges, and load testing.

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