

REINFORCED CONCRETE TRAINING SYLLABUS

Class Date: Monday's and Wednesday's, 04/29/2024 – 05/29/2024

Class Time: 6:00PM – 9:00PM

Location & Address: Online through Teams

COURSE DESCRIPTION

This five-week course is intended to follow the Concrete Placement/Batch plant Inspector course and will cover the International Building Code, ACI 318, structural plan reading and the workmanship and general placing of reinforcing steel in concrete. Note: retake exams will not be offered for this course.

INSTRUCTOR

Jerry Abson is a Structural Building Inspector with the City of Seattle Department of Construction & Inspections, with extensive knowledge of building codes, construction methods and standards. He has 25+ years professional experience in structural inspection and materials testing including both residential and commercial structures involving most building materials, including reinforced concrete, pre- and post-tensioned concrete, shotcrete, structural masonry, structural steel and welding, spray-applied fireproofing, and lateral wood. He has been an instructor at the ICC Building Safety Conferences and Certification Test Academies to help inspectors prepare for the ICC Reinforced Concrete Exam. He is also a member of the American Concrete Institute. Member of the WABO Special Inspection Registration Advisory Board and both WABO Firestop and Heavy Timber Committee.

Note: In the event a student fails a final exam, they will be required to retake the course to receive class credit. There are no exceptions for retakes of the final exam.

COURSE OBJECTIVE

1. To teach students the duties and responsibilities of a reinforced concrete special inspector.
2. Educate students on the International Building Code requirements for reinforced concrete construction.
3. To familiarize students with reading and interpreting structural drawings.
4. To prepare students to take (and PASS) the ICC reinforced concrete exam.

COURSE TOPICS

1. Reinforcing Steel Identification
2. Sizes and grades
3. Code requirements
4. Placement requirements and practices
5. Plan reading
6. Practical field inspections and procedures
7. Post-tensioning, Masonry, Structural Steel, Anchor Bolts and Pre-Cast Concrete lifting devices as they pertain to Reinforced Concrete inspection.

TEXTBOOK AND REQUIRED SUPPLIES

1. 2018 International Building Code
2. 2019 ACI 318 – VERY IMPORTANT! Other versions will not work!
3. ICC Manual of Special Inspection
4. 3 ring binders with paper for taking notes
5. Pens and pencils

COST

Determined by enrollment. Invoice will be emailed no later than one week after course has ended.

REGISTRATION

Please fill out the attached registration application and email to Thanh Kieu at thanh@nwcel.org

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CONTACT INFORMATION

Name: _____

Company: _____

Phone Number: _____

Email: _____

BILLING CONTACT INFORMATION

CHECK IF SAME AS ABOVE

Name: _____

Phone: _____

Email: _____

STUDENT REGISTRATION

Name: _____

Email: _____

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