

PRESTRESSED/POST-TENSIONED CONCRETE TRAINING SYLLABUS

Class Date: Wednesday's, 08/05/2020 – 09/23/2020

Class Time: 5:00 – 8:00 PM

Location & Address: Renton Technical College, 3000 NE 4th St., Renton, WA 98056, Building C, Room C110

COURSE DESCRIPTION

This course is designed for working special inspectors with a sound, general knowledge of concrete construction who wish to gain knowledge of pre-stressed concrete construction. The goals of this course are to provide practical knowledge of post-tensioned/pre-stressed concrete terminology, procedures & construction and to assist inspectors in preparing for and passing the ICC Pre-stressed Concrete Special Inspector exam. Topics will include the following:

1. Overview of and principles behind pre-stressed concrete
2. Understanding design and shop drawings
3. Pre-construction considerations and meetings, Seattle DPD forms
4. The inspection processes
5. Inspection and testing during post-tensioned concrete placement
6. The tensioning operation
7. The literature, specifications, and passing the test
8. Test questions and summaries of listed reference materials

ABOUT THE INSTRUCTOR

Aaron VanderPol is a WABO / OBOA Special Inspector with 13 years of experience. He is certified in Reinforced Concrete, Pre-Stressed Concrete, Shotcrete, Structural Masonry, Structural Steel and Bolting, Structural Welding, Spray Applied Fire Resistive Materials, Proprietary Anchors; ASNT: Level II Ultrasonic Testing; NICET: Level III Asphalt, Level III Concrete and OSHA 10.

MATERIALS REQUIRED

- Field Procedures Manual for Single Strand Tendons, 3rd edition
- Specification for Unbonded Single Strand Tendons (PTI M10.2-17)
- Manual for Quality Control, For Plants and Production of Structural Precast Concrete Products
- Recommendations for Prestressed Rock and Soil Anchors, 4th edition

MATERIALS RECOMMENDED

- 2015 International Building Code
 - ACI 318-14 Building Code Requirements for Structural Concrete and Commentary
 - Concrete Manual: Based on the 2015 IBC and ACI 318-14
 - ASTM Standard A416 / A416 M-06
 - ASTM Standard A421 / A421-02
 - Listed ASTM Standards may be found in ASTM Standards: As Referenced in the 2009 IBC, ACI Publication SP-71, or at www.astm.org. ASTM Standards are those referenced in the 2009 IBC.

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

First: _____

Last: _____

Email: _____

First: _____

Last: _____

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