

## **FLORIDA BUILDING CODE – PLUMBING, 5<sup>th</sup> EDITION (2014) ADVANCED CODE OVERVIEW OF CHANGES**

### **COURSE SYLLABUS**

#### **COURSE DESCRIPTION**

This course will provide contractors and construction industry professionals with one hour of advanced code training, specifically regarding the significant changes found in the Florida Building Code, Plumbing, 5<sup>th</sup> edition (2014).

#### **NUMBER OF HOURS**

There is one 50-minute classroom hour.

#### **COURSE OBJECTIVES**

Upon completion, contractors and construction industry professionals will be able to:

- Define key terminology recently changed in the Florida Building Code, Plumbing.
- Identify key provisions that have been updated from the previous version of the Florida Building Code, Plumbing.
- Recognize areas of applicability that require compliance by the Florida Building Code, Plumbing with an emphasis on significant changes.
- Understand significant changes and modifications that have the greatest impact with respect to residential construction.
- Apply existing provisions and incorporate recent modifications to ensure code compliance.

#### **COURSE DETAIL AND TOPICAL OUTLINE**

10 minutes     *Summary of provisions of the Florida Building Code - Plumbing, 5<sup>th</sup> Edition, (2014):*

##### **CHAPTER 2 - DEFINITIONS:**

Section 202 – Definitions

Bedroom; Combination Waste and Vent System; Design Flood Elevation; Gray Water; Grease Interceptor (Hydromechanical); Individual Sewage Disposal System; Plumbing Appliance; Plumbing Fixture; Reduced Pressure Principle Backflow Prevention Assembly.

##### **CHAPTER 3 – GENERAL REGULATIONS:**

Section 301 – General

Section 301.3 Connections to drainage system (and Exception)

Section 303 – Materials

- Section 303.1 Identification
- Section 305 - Protection of Pipes and Plumbing System Components
  - Section 305.1 Corrosion (and Exception)
    - Section 305.1.1 Penetration
    - Section 305.4.1 Sewer Depth
- Section 308 - Piping Support
  - Section 308.9 Parallel Water Distribution Systems
- Section 309 – Flood Hazard Resistance
  - Section 309.2 Flood Hazard (and Exception)
- Section 316 – Alternative Engineered Design
  - Section 316.1 Alternative Engineered Design
    - Section 316.1.1 Design Criteria

- 10 minutes *Summary of provisions of the Florida Building Code - Plumbing, 5<sup>th</sup> Edition, (2014):*
- CHAPTER 4 - FIXTURES, FAUCETS & FIXTURE FITTINGS:**
- Section 403 - Minimum Plumbing Facilities
    - Table 403.1 Minimum Number of Required Plumbing Fixtures
    - Footnotes to Table 403.1
- CHAPTER 4 - FIXTURES, FAUCETS & FIXTURE FITTINGS:**
- Section 403 - Minimum Plumbing Facilities
    - Section 403.2 Separate facilities (and Exceptions)

- 10 minutes *Summary of provisions of the Florida Building Code - Plumbing, 5<sup>th</sup> Edition, (2014):*
- CHAPTER 5 – WATER HEATERS:**
- Section 504 – Safety Devices
    - Section 504.4 Relief Valve
      - Section 504.4.1 Installation
    - Section 504.7 Required Plan
- CHAPTER 6 – WATER SUPPLY AND DISTRIBUTION:**
- Section 605 - Materials, Joints and Connections
    - Section 605.1 Lead Content of Water Supply Pipe and Fittings
    - Section 605.2.1 Lead Content of Drinking Water Pipe and Fittings
  - Section 607 - Hot Water Supply System
    - Section 607.2 Hot or Tempered Water Supply To Fixtures
      - Section 607.2.1 Hot Water System Controls
      - Section 607.2.2 Recirculating pump
  - Section 608 - Protection of Potable Water Supply
    - Section 608.8 Identification of Nonpotable Water

10 minutes

*Summary of provisions of the Florida Building Code - Plumbing, 5<sup>th</sup> Edition, (2014):*

**CHAPTER 7 – SANITARY DRAINAGE:**

Section 704 - Drainage Piping Installation

Section 704.3 Connections to Offsets and Bases of Stacks

Section 706 - Connections Between Drainage Piping And Fittings

Section 706.1 Connections and changes in direction

Section 706.2 Obstructions

Section 708 – Cleanouts

Section 708.3 Where Required

Section 708.3.1 Horizontal drains within buildings

Section 708.3.2 Building sewers

Section 708.3.3 Changes in Direction

Section 708.3.4 Base of Stack

Section 708.3.5 Building Drain and Building Sewer junction

Section 708.3.6 Manholes

Section 711 - Offsets in Drainage Piping in Buildings of Five Stories or More

Section 711.2 Horizontal stack offsets

Section 711.2.1 Omission of vents for horizontal stack offsets

Section 715 - Backwater Valves

Section 715.1 Sewage backflow

10 minutes

*Summary of provisions of the Florida Building Code - Plumbing, 5<sup>th</sup> Edition, (2014):*

**CHAPTER 8 – INDIRECT / SPECIAL WASTE:**

Section 802 - Indirect Wastes

Section 802.1 Where Required

Section 802.1.8 Food utensils, dishes, pots and pans sinks

Section 802.2 Installation

Section 802.3 Waste Receptors

**CHAPTER 9 – VENTS:**

Section 903 – Vent Terminals

Section 903.1 Roof Extension

Section 915 - Combination Waste and Vent System

Section 915.2 Installation

Section 915.2.1 Slope

Section 915.2.2 Size and Length

Section 915.2.3 Connection

Section 917 - Single Stack Vent System

Section 917.1 Where Permitted

Section 917.2 Stack Size

10 minutes *Summary of provisions of the Florida Building Code - Plumbing, 5<sup>th</sup> Edition, (2014):*  
**CHAPTER 10 – TRAPS, INTERCEPTORS AND SEPARATORS:**  
Section 1002 – Trap Requirements  
    Section 1002.1 Fixture Traps (and Exceptions)  
Section 1003 – Interceptors and Separators  
    Section 1003.1 Where Required  
    Section 1003.3.4 Hydromechanical grease interceptors and automatic grease removal devices  
    Section 1003.5 Grease interceptors for onsite sewage treatment and disposal systems  
**CHAPTER 11 – STORM DRAINAGE**  
Section 1102 – Materials  
    Section 1102.6 Roof Drains  
    Section 1102.7 Fittings  
Section 1105 – Roof Drains  
    Section 1105.1 General  
Section 1106 Size of Conductors, Leaders and Storm Drains  
    Section 1106.5 Parapet Wall Scupper Location  
Section 1108 - Secondary (Emergency) Roof Drains  
    Section 1108.1 Secondary (Emergency Overflow) Drains or Scuppers  
**CHAPTER 13 – GRAY WATER RECYCLING SYSTEMS**  
Appendix C now Chapter 13

*Total Time: 60 minutes*

#### **METHOD OF PRESENTATION**

This seminar will be delivered classroom style through an instructor lecturing on the topics using a slide show presentation. Students will observe the presentation which will show static text and photos. Participant discussion will be allowed continually through the course.

#### **METHOD OF EVALUATION**

Concepts will be discussed and questions will be answered prior to moving on to the next subject. This will ensure that the student will grasp the topic and will be afforded an opportunity to ask specific questions prior to moving on to the next topic.

#### **QUALIFICATION OF INSTRUCTORS**

See attached resumes and credentials.

**MINIMUM QUALIFICATIONS FOR ANY FUTURE INSTRUCTORS**

Any future instructor shall be qualified by education or experience to teach a course within their area of expertise (or parts of the course assigned) as it relates to our course content pursuant to qualification by the respective licensing standards boards.

Qualifications for these instructors shall include: An active or inactive state certified or registered contractor's license with at least five years experience may teach any technical course within the scope of their license. No contractor whose license has been suspended or revoked shall teach or serve as a continuing education instructor.