

Course Syllabus:

<u>Course Title:</u>	Advanced Wind Mitigation Methodologies- Internet Course for Florida Contractors- Part II
<u>Number of Classroom Hours:</u>	1; 1 CEU
<u>Method of Presentation:</u>	Online Course
<u>Intended Target Group:</u>	Florida Certified & Registered Contractors

Provider Information:

Business Name: Infinity LC

Contacts: Steve Terepka & Meredith Ross

Business Address: 801 West Bay Dr. Suite #516
Largo, FL 33770

Phone Number: 888-405-7849 #102

Email: meredith@contractorclasses.com , steve.terepka@gmail.com

Provider Number: 0004591

Course Description:

This course is designed to provide Florida contractors with a thorough understanding of the Wind Mitigation Methodologies Retrofitting Techniques required by Florida Statute 553.844. By completing this course the Contractor will become familiar with the following improvements as outlined in the 2010 Florida Building Code- **Building**- Chapters 1 & 15, **Residential**-Chapters 3 &6, and **Existing**- Chapters 2, 3 & 6; Prescriptive techniques for improvement of roof-to-wall connections and Adding or strengthening opening protections, including a complete review pros and cons of approved products for opening protection. In addition to the Retrofitting requirements for those improvements, the Contractor will understand how to calculate component & cladding loads and will be provided with answers to the most frequently asked questions regarding these improvements, including appropriate licensure classification and scope of work.

Course Prerequisites: There are no prerequisites for this course.

Course Learning Objectives:

1. To explain the fundamentals and importance of providing a continuous load path among roof, wall and foundation of a home.
2. To specify the requirements and techniques for improvement of roof to wall connections.
3. To specify the requirements and approved products for adding or strengthening opening protections.
4. To explain calculations for component and cladding loads as required for opening protection.
5. To answer frequently asked questions about necessary licensure requirements for various activities involved in performing these improvements.

Course Outline:

Section 1- Course Introduction- outlines the learning objectives of the course; briefly reviews the Wind Mitigation Retrofitting Requirements outlined by **F.S. 553.844**; pinpoints the mitigation improvements covered in Part I of the course and what will be covered in Part II.

Section 2- Roof-to-Wall Connections- discusses the concept and importance of providing a continuous load path to resist the various pressures acting on a house during a high-wind event; reviews the code requirement (and exceptions) for implementing this improvement; reviews pertinent retrofitting definitions; explains the techniques for investigating roof-to-wall connections including accessing the roof-to-wall connections, repairing and patching holes, and assessing partially inaccessible straps; details the prescriptive techniques for improving roof-to-wall connections for Gable and Hip Roofs to Wood Frame and Masonry walls; answers frequently asked questions in regards to permitting for this improvement, licensure requirements, and the 15% cost of completion exception to the requirement.

Learning Exercise 1

Section 3- Opening Protection- explains the importance of protective barriers during a storm or high-wind event, reviews the code requirement for adding or strengthening opening protection; outlines approved products for providing opening protection and reviews the pros and cons of each including cost approximations; reviews and defines the testing standards

required for opening protection; reviews the insurance discounts related to wind mitigation improvements; discusses the option for glass replacement; explains how to calculate component and cladding loads required for glass replacement; and reviews labeling requirements for glazing products.

Learning Exercise 2

Course Timeline:

This is a 50-minute course with the following approximate time line:

• Section 1- Introduction	2.25 Minutes
• Section 2- Roof-to-Wall Connections	19.5 Minutes
• Section 3- Opening Protection	26 Minutes
Total:	47.75 Minutes
+ Est. 3 Minutes per Exercise:	6 Minutes
Total Est. Time:	53.75 Minutes

Method of Presentation: This is an online course, which uses narrated and animated PowerPoint Presentations that have been converted to Flash for web delivery.

Evaluation Method:

Licenseses will be evaluated on their comprehension of the material covered by participating in two (2) short learning exercises, interspersed throughout the course, upon which successful completion of each is required before advancement to the next segment is allowed and credit may be obtained for course completion.