

Detailed Course Outline:

<u>Course Title:</u>	Advanced Wind Mitigation Methodologies Part 2- Internet Course for Florida Contractors
<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:

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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.

References: **F.S. 553.844- Windstorm loss mitigation; requirements for roofs and opening protection.**

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.

References: www.floridadisaster.org, **2010 Florida Building Code- Residential Chapter 3- Sections 301**, **2010 Florida Building Code- Existing Chapter 2- Section 202**, **Chapter 6- Section 611**, **2010 Florida Building Code- Building Chapter 15- Section 1502**, Building Officials Association of Florida- Guidelines for Implementing of the Hurricane Damage Mitigation Provisions of HB 7057.

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; discusses the option for glass replacement and explains how to calculate component and cladding loads required for glass replacement.

References: floridadisaster.org, **2010 Florida Building Code- Building Chapter 1- Section 105**, **2010 Florida Building Code- Residential Chapter 3- Section 301** and **Chapter 6- Section 612**, **2010 Florida Building Code- Existing Chapter 3- Section 301 and 306**, www.astm.org, www.kawneer.com, www.dasma.com, www.stanweaver.com, www.ftl-inc.com, www.intrarisk.com, www.stormshutters.com, www.allaboutshutters.com, www.diyshutters.com

Learning Exercise 2