

Learning Objectives

Course Name:

Three Building Envelope Construction Methods for Increased Windstorm Resistance: Case Studies and Practices

The objective of this course is to showcase at some current building systems in Florida that can be used to improve the performance of homes in high wind loaded conditions. These systems can increase the hurricane resistance of homes and provide a safer alternative to homeowners who choose to ride out severe storms within their homes if they reside outside storm surge locations. In addition to reviewing some enhanced structural wind loading building systems, this course will review some simple measures that can be implemented in any home design to reduce the risks of property damage or personal injury in severe storm conditions. As the 2004 hurricane season showed, water intrusion was another major point of failure in homes exposed to severe storms. The course will finish with a brief review of the common water intrusion risks and ways to build that can minimize these risks.

This course has been designed to appeal to both the building professional and the lay person, and as such does not focus heavily on the code issues already covered in detail in the seven-hour structural wind loading course.