

**Water Color Cerulean  
Landing Lot #25  
Santa Rosa County Florida  
2005**

Owner: St. Joe Special Projects  
Architect: 4240 Architecture  
EOR: Russel A. Martino

**Open Floor Plan in High Velocity Hurricane Region**

The Architect and owner wanted an open floor plan with many windows and french doors to capture the benefit of the enormous exterior porch that surrounds the entire residence. To accomplish this, the first floor has no interior walls. The house is "L" shaped and the main feature of the entry is a grand free standing wrap around stair case. The open nature of the house, combined with the stair opening in the critical section of the diaphragm, provided some unique engineering challenges when faced with the 140 MPH hurricane wind load. In addition, the structure is raised on piers to keep the floor dry during the possible storm surge associated with high velocity winds. Martino & Luth, Inc pulled out every trick in the book to meet the architectural intent while resisting lateral loads.

