Water Color Sand Hill Lot 13
Walton County, Florida
Current

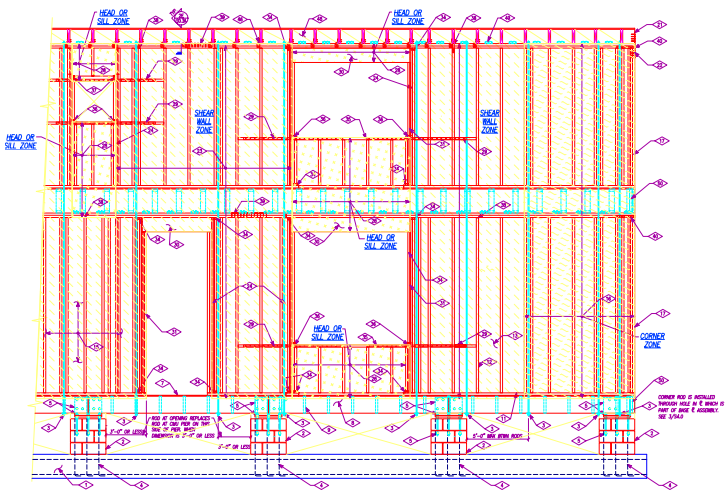
Owner: St. Joe Special Projects
Architect: 42|40 Architecture
EOR: Gregory P. Luth

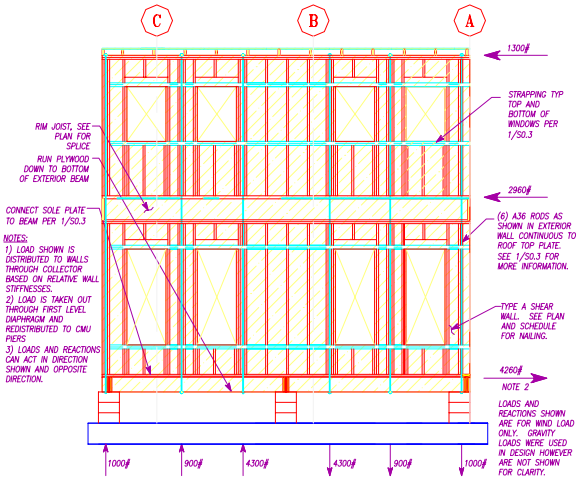
Water Color Sand Hill Lot #13

This 6500 sq. foot house is on the beach in Walton County Florida and is therefore exposed to 140 mph hurricane winds. The house is also on cmu piers and the entire first floor is elevated for protection against surging waters.

New Achitectural Style meets Existing Construction Methods

The current architectural trend for fine custom homes is large, open, main floors with little or no interior walls and large expanses of glass. The structural challenge in this house was to provide the architectural goal while meeting existing local constructon methods all under a 50 psf wind design load. Martino and Luth accomplished this by drawing full shear wall elevatons of every shear wall in the house thereby fine tuning the analysis down to the most economical solution possible.





Martino & Luth Consulting Structural Engineers