

Okeechobee County
Community Development Department
Code Compliance
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Guidelines for SEAWALL CONSTRUCTION

The purpose of this guideline is to provide information for the minimum required submissions to applicants for Seawall Construction.

- 1) Applications for building permits for construction of all structural elements for seawall construction are required to be certified by a design professional stating on the plans that the design plans and specifications for the construction are in compliance with the criteria established by the applicable Florida Building Code, relevant laws, ordinances, rules and regulations.
The plans are required to be a complete and concise illustration of the proposed work indicating the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of the code.
- 2) Submit TWO complete sets of plans sealed, signed and dated by a design professional being an architect or engineer, with the completed building permit application form.
- 3) Submit TWO copies of the site plan/survey indicating the location of the work.
- 4) Structural Calculations will be required to conform to the Free Earth Method in Granular Soil per US Sheet Piling Design Manual, 1984 Edition or equal. Hand calculations per Equivalent Beam Method or Computer Analysis SPW 911 is acceptable.
- 5) Calculations are required to show the following with a minimum Safety Factor of 2.0:
 - a) Bending Stress in piling chosen.
 - b) Concrete cap will not have concrete in tension.
 - c) Tie-back load on dead man will not exceed 200 PSF/Foot of Depth.
- 6) The concrete cap is required to be designed as a continuous beam, loaded sideways by the pilings with intermittent supports (tiebacks). Design the same as the perimeter beam with longitudinal steel and stirrups.
- 7) Tieback Rods are required to be bituminous coated steel, stainless steel, galvanized or in a PVC sleeve.
- 8) Site drawings are required to state the water depth and the dredge line shown.
- 9) State on the plans that: All disturbed areas are required to be sodded.