

## MARINE DESIGN GUIDES

- Local Building Codes
- FEMA Maps
- Guidelines for the Design of Fender Systems: 2002 – Published by PIANC (may refer to design manuals by specific fender manufacturer, but they are normally based on PIANCs fender design guidelines.
- The following are DOD Documents:
  - o Unified Facilities Criteria
  - o UFC 1-200-01 General Building Requirements
  - o FC 1-300-09N Navy and Marine Corps Design Procedures
  - o UFC 3-301-01 Structural Engineering
  - o UFC 4-151-10 General Criteria for Waterfront Construction
  - o UFC 4-152-01 Design: Piers and Wharves
  - o UFC 4-152-07 Design: Small Craft Berthing Facilities
  - o UFC 4-150-07 Maintenance and Operation: Maintenance of Waterfront Facilities
- The AISC Steel Manual (typically use Allowable Stress design, since this is allowed by the Navy. The UFCs have been updated recently, so need to verify this.)
- ACI 318 Concrete Design
- For timber, mainly use the National Design Specification for Wood Construction.

The UFC's are available at this website [http://www.wbdg.org/ccb/browse\\_cat.php?o=29&c=4](http://www.wbdg.org/ccb/browse_cat.php?o=29&c=4)