Overview of FEMA P-550, 2009 Edition

Recommended Residential Construction for Coastal Areas

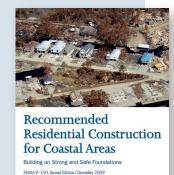
BUILDING SCIENCE BRANCH

May 2019

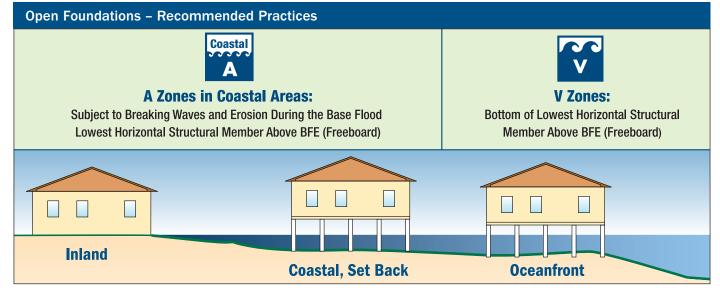
Key Topics:

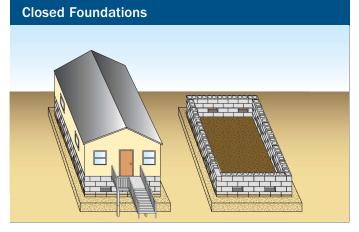
- Types of hazards (Chapter 1)
 - High winds
 - Storm surge
 - Floods
- Foundation design criteria (Ch. 2)
- Foundation types in coastal areas (Section 2.3)
 - Piles
 - Piers
 - Perimeter walls
 - Slab-on-grade
- Recommended foundation types for coastal areas (see reverse side) (Ch. 4)

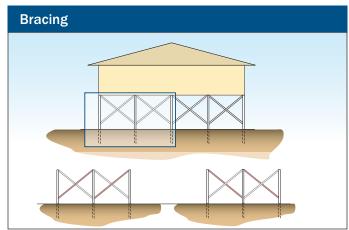
- Foundation design loads (Ch. 3)
 - Wind loads
 - Flood loads
 - Hydrostatic loads
 - Wave loads
 - Hydrodynamic loads
 - Debris impact loads
 - Erosion and localized scour
- Foundation selection, considerations and cost estimating (Ch. 5)



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Description

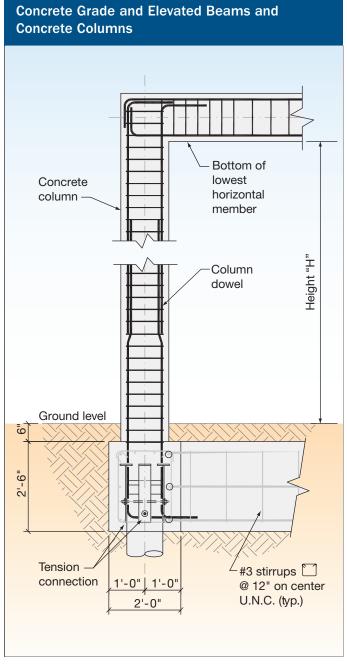
FEMA P-550 provides a series of recommended foundation designs that will help create safer and stronger buildings in coastal areas. The designs are intended to help support rebuilding efforts after coastal areas have been damaged by floods, high winds, or other natural hazards.

Target Audience

Homebuilders, contractors, and engineering professionals.







Example Foundation Type - Timber Pile with

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