

Structural Building Code Compliance and Coordination

Local building codes shall be consulted in the planning and implementation of changes to the building and its mechanical, electrical, and life safety systems.

All loads on the structure are divided into various types:

- Dead loads, soil loads, hydrostatic pressure loads
- Live loads
- Flood
- Snow
- Rain
- Ice
- Seismic
- Wind

The magnitude of forces on any structure is a function of its geographic location. Rwanda Housing Authority identify the forces expected to be applied to buildings and nonstructural components. The applied forces are a function of probability at a given location for environmental loads (e.g., wind, ice, snow, flood, tsunami, and earthquake).

Critical facilities requiring higher performance should consider loads and performance requirements contained in the UFC 3-310-04(Seismic Design of Buildings) and UFC 3-301-01(structural engineering), or regional equivalent.

Additional loads that may warrant consideration for data centers include tsunami and ice impact loads because of shedding on adjacent structures such as telecommunication towers.

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