

# Design Criteria

Type	Requirements
Multifamily and Commercial	Design per IBC 2018
One and Two Family Dwellings	Design per IRC 2018
Seismic Zone	Residential: "A" Multi-Family and Commercial: use Code Central Seismic Design Parameters version 3.10
Wind Load - Exposure "C" (3-second gust in miles per hour)	Risk Category I: 105 MPH Risk Category II: 115 MPH Risk Category III-IV: 120 MPH
Foundation Depth	36 in. frost depth - to top of footings
Roof Snow Load	Minimum design roof snow load after allowed reductions shall be 30 psf (i.e. $P_f = 30$ psf) For drift / unbalanced loading: $P_g = 35$

## International Energy Conservation Code 2012 (IECC)

Structure	Default Values
Ceilings	R - 49
Walls	R - 21 or R - 13 + 5 Continuous
Floor over unheated space	R - 30
Crawl Space walls	R - 15 - Continuous R - 19 - Framed
Basement walls	R - 15 - Continuous R - 19 - Framed
Windows	U - 0.32