



INFORMATION FOR DESIGNERS - (2015 Virginia Construction Code/Virginia Residential Code)

Residential 1 & 2 family Construction Design Parameters - IRC Table R301.2 (1)		
Type		Criteria
Ground Snow Load		30 PSF
Wind Design	Speed (MPH)	115 V _(ult)
	Topographic Effects	No
	Special Wind Region	No
	Wind borne Debris Zone	No
Seismic Design Category		B
Subject to Damage From	Weathering	Severe
	Frost Line Depth	24"
	Termite	Moderate-Heavy
Frost Depth		24"
Winter Design Temperature		16 ⁰
Ice Barrier Underlayment Required		Yes
Air Freezing Index		< 1500 ⁰ F
Mean Annual Temperature		51 ⁰
Commercial Design Parameters		
Ground Snow Load		30
Wind Speed: IBC/VCC Section 1609	Risk I	105 (V _{ult})
	Risk II	115 (V _{ult})
	Risk III & IV	120 (V _{ult})
Seismic Design (Structural Response Acceleration)		S _s %g: 28%
		S ₁ %g: 7%
Climate Zone		4
Wind Exposure - (VCC 1609.4)		Category B

Virginia Construction Code	2015
Virginia Residential Code	2015
Virginia Plumbing Code	2015
Virginia Mechanical Code	2015
Virginia Fuel Gas Code	2015
Virginia Existing Building Code	2015
Energy Conservation Code	2015
Virginia Maintenance Code	2015
Virginia Fire Prevention Code	2015
NFPA 70 National Electrical Code	2014
NFPA 13 Installation of Sprinklers	2013
NFPA 72 National Fire Alarm Code	2013
ANSI A117.1 Accessible and Usable Buildings	2009