



INFORMATION FOR DESIGNERS - (2018 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 ^o
Ice Barrier Underlayment Required		Yes
Air Freezing Index		≤ 1500 ^o F
Mean Annual Temperature		51 ^o
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	2018
Virginia Residential Code	2018
Virginia Plumbing Code	2018
Virginia Mechanical Code	2018
Virginia Fuel Gas Code	2018
Virginia Existing Building Code	2018
Energy Conservation Code	2018
Virginia Maintenance Code	2018
Virginia Fire Prevention Code	2018
NFPA 70 National Electrical Code	2017
NFPA 13 Installation of Sprinklers	2016
NFPA 72 National Fire Alarm Code	2016
ANSI A117.1 Accessible and Usable Buildings	2009