



Information for Designers

Local Design Criteria for the Town of Christiansburg

This information is provided for use by builders and designers and is in accordance with the 2012 editions of the Virginia USBC, the International Building Code, and the International Residential Code.

Residential 1 & 2 Family Construction Design Parameters

Ground Snow Load	Wind Speed MPH V ^{3s}	Seismic Design Category	Subject to Damage From				Winter Design Temp	Ice Shield Req?	Flood Hazards
			Weathering	Frost Depth	Termite	Decay			
30 psf	90	B	Severe	24"	Moderate-Heavy	Slight-Moderate	0°F	Yes	Note 1

Commercial Construction Design Parameters

Ground Snow Load	Wind Speed MPH V _{3s}	Spectral Response Acceleration		Frost Depth	Weathering	Flood Hazards
		S _s %g	S ₁ %g			
30 psf	90	28%	8%	24"	Severe	Note 1

Additional Design Information

Current Code Editions

2012 Virginia Uniform Statewide Building Code Effective 7/14/2015

Referenced Codes:

- 2012 International Building Code
- 2012 International Plumbing Code
- 2012 International Mechanical Code
- 2012 International Fuel Gas Code
- 2012 International Energy Conservation Code
- 2012 International Residential Code
- 2012 International Existing Building Code
- 2009 ANSI A117.1 Accessible & Usable Buildings & Facilities
- 20010 NFPA 13 Standard for the Installation of Sprinklers
- 2010 NFPA 72 National Fire Alarm Code
- 2011 NFPA 70 National Electrical Code

Miscellaneous Data

- Wind Exposure (IBC Sec. 1609.4) – Category B
- Yearly Heating Degree Days – 5,574
- Yearly Cooling Degree Days – 533
- Climate Zone – 4
- Mean Annual Temperature – 50°
- Air Freezing Index – 1000
- Latitude: 37° 8' 28" N
- Longitude: 80° 24' 28" W

Contact Information

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Notes:

1. IRM Community Panel 510101 0001-0007 (Map Index) – effective August 15, 1980