



# Codes and Design Loads

## Codes and Standards

Virginia Uniform Statewide Building Code, 2018 Edition. *Submissions may use the 2015 code until 6/30/21*

- 2018 Virginia Construction Code (IBC) | USBC, Part I
- 2018 Virginia Residential Code (IRC)
- 2018 Virginia Energy Conservation Code
- 2018 Virginia Mechanical Code (IMC)
- 2018 Virginia Plumbing Code (IPC)
- 2018 Virginia Fuel Gas Code (IFGC)
- 2017 National Electrical Code | www.nfpa.org
- 2018 International Swimming Pool and Spa Code
- 2018 Virginia Existing Building Code (IBC) | USBC, Part II
- 2018 Virginia Maintenance Code (IBC) | USBC, Part III
- 2018 Virginia Statewide Fire Prevention Code (IFC)
- 2018 Virginia Industrialized Building Safety Regulations
- 2018 Virginia Amusement Device Regulations
- 2018 Building and Fire Code Related Regulation
- ICC A117.1—2009 Accessible and Usable Buildings and Facilities

City of Falls Church Code, adopted 9/30/2009

Code of the City of Falls Church, Virginia

## Local Design Load Criteria

Type	Criteria
Ground Snow Load	25 psf
Wind Speed for Risk Category II Buildings	
Nominal ( $V_{asd}$ )	90 mph
Ultimate ( $V_{ult}$ )	115 mph
Frost Depth	24 inches
Presumptive Soil Bearing Capacity	1500 psf
Design Lateral Soil Pressure (per foot of depth)	60 psf
Seismic spectral response accelerations	
Short Period ( $S_s$ )	0.120g
1-second Period ( $S_1$ )	0.051g
Residential Seismic Design Category (Site Class D)	A
Weathering Probability for Concrete	Severe
Termite Infestation Probability	Moderate to Heavy
Ice Shield Underlayment Required	Yes
Flood Hazard (NFIP entry date)	July 16, 2004
Winter Design Temperature	17°F
Air Freezing Index	≤1500°F
Mean Annual Temperature	50°F



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