



# Codes and Design Loads

## Codes and Standards

**Virginia Uniform Statewide Building Code, 2015 Edition, effective September 4, 2018 with one year grace period.**

- 2015 Virginia Construction Code (IBC) | USBC, Part I
- 2015 Virginia Residential Code (IRC)
- 2015 Virginia Energy Conservation Code
- 2015 Virginia Mechanical Code (IMC)
- 2015 Virginia Plumbing Code (IPC)
- 2015 Virginia Fuel Gas Code (IFGC)
- 2014 National Electrical Code | www.nfpa.org
- 2015 International Swimming Pool and Spa Code
- 2015 Virginia Existing Building Code (IBC) | USBC, Part II
- 2015 Virginia Maintenance Code (IBC) | USBC, Part III
- 2015 Virginia Statewide Fire Prevention Code (IFC)
- 2015 Virginia Industrialized Building Safety Regulations
- 2015 Virginia Amusement Device Regulations
- 2015 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



The City of Falls Church is committed to the letter and spirit of the Americans with Disabilities Act. This document will be made available in alternate format upon request. Call 703 248-5080 (TTY 711).