

# Design Criteria

---

## Residential Design Criteria\*

Wind Speed (3sec gust)	117 Vult Figure R301.2(4)
Wind Speed	93 Vand Table R301.2.1.3
Frost Line	12 inches – Min.
Seismic	A Figure R301.2(2)
Ground Snow Load	10 Figure R301.2(5)
Weathering	Moderate Figure R301.2(3)
Termite Infestation	Moderate To Heavy Figure R301,2(6)
Winter design temperature	22°F **
Heating Degree Days	3421 **
Ice Barrier underlayment required	No
Flood hazards	Aug. 3, 2015 City Code Base 8ft + 3ft
Air freezing index	150
Mean annual temperature	59 F
Climate Zone	4A Table N1101.7

\*Design criteria for buildings constructed in accordance with the Virginia Residential Code,

\*\* Contained in Appendix D, Virginia Plumbing Code 2015

For all other buildings, see Chapter 16 of the Virginia Construction Code.

Doug Smith