

**Department of Code Administration
City of Alexandria, Virginia**

Residential Design Criteria										
Ground Snow Load	Wind Speed	Seismic Design Category	Subject to Damage From			Winter Design Temperature	Ice Barrier Underlayment required	Flood Hazard	Air Freezing Index	Mean Annual Temperature
			Weathering (for Concrete)	Frost-line Depth	Termite					
25 #/ft ²	115 mph	B	Severe	24"	Moderate to Heavy	17°	Yes	FIRM 4/30/1982	<1500	56°

Commercial Design Criteria					
Ground Snow Load	Wind Speed	Seismic – Spectral Response Acceleration		Weathering	Frost Line
		S _s %g	S ₁ %g		
25 #/ft ²	115 mph	20%	7%	Severe	24"

MANUAL J DESIGN CRITERIA							
Elevation	Latitude	Winter heating	Summer cooling	Altitude correction factor	Design temperature Heating	Design temperature cooling	Heating temperature difference
66 ft	38 N	17F	92F	—	68F	75F	51F
Cooling temperature difference	Wind velocity heating	Wind velocity cooling	Coincident wet bulb	Daily range	Winter humidity	Summer humidity	—
17F	15mph	7.5mph	76F	18M	—	—	—