

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
		Ss %g	S ₁ %g		
25 #/ft ²	115 mph	20%	7%	Severe	24"

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