

**TABLE R301.2(1) - CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

Ground and Roof Snow Load	Wind Design*		Seismic Design Category	Subject To Damage From			Winter Design Temp	Ice Barrier Underlayment Required	Flood Hazards	Air Freezing Index	Mean Annual Temp
	Speed (mph)	Topographic Effects		Weathering	Frost line depth	Termite					
Varies See Table	129 mph** V <sup>ult</sup> Exp. B	Yes	"B"	Severe	36"	Slight to Moderate	1° F	Yes	Varies	532	50.5° F
<b>Manual J Design Criteria</b>											
Elevation	Latitude	Winter Heating 99% Dry Bulb	Summer Cooling 1% Dry Bulb	Altitude Correction Factor	Indoor Design Temperature	Design Temperature Cooling	Heating Temperature Difference				
Below 7400 ft.	39° North	-7	95	Varies	72°	75°	79°				
Above 7400 ft.	39° North	-11	90	Varies	72°	75°	83°				
Cooling Temperature Difference	Wind Velocity Heating	Wind Velocity Cooling	Coincident Wet Bulb	Daily Range	Winter Humidity	Summer Humidity	--				
20°	15 mph	7.5 mph	59	High (H)	50%	50%	--				
15°	15 mph	7.5 mph	59	High (H)	50%	50%	--				
<p>* Rocky Mountain Metropolitan Airport area between Simms St. and Wadsworth Blvd. and north of 108<sup>th</sup> Ave. shall be 155 mph V<sup>ult</sup> Exposure C (approx. 120 mph three second gust Exposure C)</p> <p>** Approximately Equivalent to 100 mph V<sup>asd</sup> (three second gust) Exposure B (see Table R301.2.1.3 for conversion)</p>											