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

ROOF SNOW LOAD [a] (psf)	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP (°F)	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARD [e]	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed [b] (mph)	Topographic effects [b]	Special wind region	Windborne debris zone		Weathering [c]	Frost line depth [d]	Termite					
25	110	Yes	No	No	D2	Moderate	18”	Slight to Moderate	22	No	NA	170	51

MANUAL J DESIGN CRITERIA							
Elevation	**Latitude**	**Winter heating**	**Summer cooling**	**Altitude correction factor**	**Indoor design temperature**	**Design temperature cooling**	**Heating temperature difference**
459 feet	**47°53’**	**72°F max**	**75°F min**	**0.99**	**72°F**	**75°F**	**50°F**
Cooling temperature difference	**Wind velocity heating**	**Wind velocity cooling**	**Coincident wet bulb**	**Daily range**	**Winter humidity**	**Summer humidity**	
7°F	**N.A.**	**N.A.**	**66**	**Medium**	**75%**	**68%**	

a. The minimum roof and ground snow load shall be 25 pounds per square foot (non-reducible). For elevations greater than 700 feet, the minimum roof snow load shall be 35 psf.

b. Wind exposure category and topographic effects (Wind Speed-up Kzt factor) shall be determined on a site-specific basis by the Engineer of Record.

c. Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The grade of masonry units shall be determined from ASTM C 34, C 55, C 62, C 73, C 90, C 129, C 145, C 216 or C 652.

d. The frost line depth may require deeper footings. Designer to verify if deeper frost depth is required based on geotechnical reports and studies.