

A. *IRC Table R301.2(1) Amended.* International Residential Code Table R301.2(1) is hereby amended to read as follows:

## TABLE R301.2

### CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD <sup>a</sup> (psf)	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARD <sup>e</sup>	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed <sup>b</sup> (mph)	Topographic effects <sup>c</sup>	Special wind region	Windborne debris zone		Weathering <sup>d</sup>	Frost line depth	Termite				
25	98	Yes	No	No	D2	Moderate	12"	Slight to Moderate	No	NA	113	53 °F
MANUAL J DESIGN CRITERIA												
Elevation		Altitude correction factor		Coincident wet bulb		Indoor winter design dry-bulb temperature		Indoor winter design dry-bulb temperature		Outdoor winter design dry-bulb temperature		Heating temperature difference
338 feet		0.99		66 °F		72 °F		72 °F		24 °F		48 °F
Latitude		Daily Range		Indoor summer design relative humidity		Summer design gains 50% RH		Indoor summer design dry-bulb temperature		Outdoor summer design dry-bulb temperature		Cooling temperature difference
47°34'39"		M		50%		5		75 °F		83 °F		8 °F

- a. This is the minimum roof snow load. When using this snow load it will be left to the engineer's judgment whether to consider drift or sliding snow. However, rain on snow surcharge of 5 psf must be considered for roof slopes less than 5 degrees.
- b. The basic wind speed is determined from the basic wind speed map in Figure R301.2(2). Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.
- c. Topographic effects (Wind Speed-up Kzt factor) shall be determined on a site-specific basis in accordance with Section R301.2.1.5.
- d. 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 C34, C55, C62, C73, C90, C129, C145, C216 or C652.
- e. The City of Mercer Island participates in the National Flood Insurance Program (NFIP); Regular Program (No Special Flood Hazard Area). Further NFIP participation information: CID 530083, Initial FHBM Identified 06/28/74, Initial FIRM Identified 05/16/95, Current Effective Map Date (NSFHA), Reg-Emer Date 06/30/97, 53033C0654G effective 8/19/2020.