1309.0301 SECTION R301, DESIGN CRITERIA.

Subpart 1. [Repealed, 39 SR 91]

Subp. 2. **IRC Table R301.2(1).** Table R301.2(1) is amended to read as follows:

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

ROOF SNOW LOAD[f]	WIND DESIGN		SEISMIC DESIGN CATEGORY[l]
	Speed[d] (mph)	Topographic effects[k]	
$p_f = 0.7 * p_g$	90	YES	A

SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP[e]
Weathering[a]	Frost line depth[b]	Termite[c]	
Severe	See MR part 1303.1600	See Footnote "c"	See MR chapter 1323

ICE BARRIER UNDERLAYMENT REQUIRED[h]	FLOOD HAZARDS[g]	AIR FREEZING INDEX[i]	MEAN ANNUAL TEMP[j]
Yes	See MR chapter 1335	See Table R403.3(2)	41.16

For SI: 1 pound per square foot = 0.0479 kPa, 1 mile per hour = 0.447 m/s.

a. Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The weathering column shall be filled in with the weathering index, such as "negligible," "moderate," or "severe," for concrete as determined from the Weathering Probability Map [Figure R301.2(3)]. 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.

b. See Minnesota Rules, part 1303.1600 – Footing Depth for Frost Protection to verify whether the county requires Zone I or Zone II frost protection.

c. The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.

d. The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map [Figure R301.2(4)A]. Wind exposure category shall be determined on a site-specific basis in accordance with section R301.2.1.4.

e. See Minnesota Rules, chapter 1322 - Table R403.5.17 Climate Data Design Conditions to verify by city.

f. The ground snow loads to be used in determining the design snow loads for buildings and other structures are given in Minnesota Rules, part 1303.1700 - Ground Snow Load to verify by county. The roof snow load is a uniform load on the horizontal projection of the roof.

g. See Minnesota Rules, chapter 1335, Flood Proofing Regulations.

h. In accordance with sections R905.2.7.1, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1, and R905.8.3.1, where there has been a history of local damage from the effects of ice damming.

i. The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from Figure R403.3(2) or from the 100-year (99 percent) value on the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32° F)" at www.ncdc.noaa.gov/oa/fpsf.

j. The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table "Average Mean Temperature Index" at http://www.esrl.noaa.gov/psd/data/usclimate/tmp.state.19712000.climo.

k. In accordance with section R301.2.1.5.

l. Assigned to allow the application of the least restrictive topographic provisions of the code.

Subp. 3. **IRC Figure R301.2(5).** Figure R301.2(5), Ground Snow Loads, Pg, for the United States (lb/ft^2), is deleted in its entirety.

Subp. 4. [Repealed, 39 SR 91]

Statutory Authority: *MS s 16B.59; 16B.61; 16B.64; 326B.02; 326B.101; 326B.106; 326B.13*

History: *27 SR 1475; 32 SR 12; L 2007 c 140 art 4 s 61; art 13 s 4; 39 SR 91*

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