1021651184

TABLE R301.2—CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD[o]	WIND DESIGN				SEISMIC DESIGN CATEGORY[f]	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAYMENT REQUIRED[h]	FLOOD HAZARDS[g]	AIR FREEZING INDEX[i]	MEAN ANNUAL TEMP[j]
	Speed[d] (mph)	Topographic effects[k]	Special wind region[l]	Windborne debris zone[m]		Weathering[a]	Frost line depth[b]	Termite[c]				
36.4	119	NO	NO	NO	B	SEVERE	36 inches	MODERATE TO HEAVY	YES	SEE FLOOD MAPS	496	52.9

MANUAL J DESIGN CRITERIA[n]

Elevation	Altitude correction factor[e]	Coincident wet bulb	Indoor winter design relative humidity	Indoor winter design dry-bulb temperature	Outdoor winter design dry-bulb temperature	Heating temperature difference
30 FT.	1	75 degrees F	30%-40%	70 degrees F	18 degrees F	
Latitude	**Daily range**	**Summer design gains**	**Indoor summer design relative humidity**	**Indoor summer design dry-bulb temperature**	**Outdoor summer design dry-bulb temperature**	**Cooling temperature difference**
40.7 degrees	LOW	31	50%	75 degrees F	87 degrees F	

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

a. Where weathering requires a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code, the frost line depth strength required for weathering shall govern. The weathering column shall be filled in with the weathering index, "negligible," "moderate" or "severe" for concrete as determined from Figure R301.2(1). The grade of masonry units shall be determined from ASTM C34, ASTM C55, ASTM C62, ASTM C73, ASTM C90, ASTM C129, ASTM C145, ASTM C216 or ASTM C652.

b. [NY] Where the frost line depth requires deeper footings than indicated in Figure R403.1(1), the frost line depth strength required for weathering shall govern. The *authority having jurisdiction* shall fill in the frost line depth column with the minimum depth of footing below finish grade.

c. [NY] The *authority having 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. [NY] The *authority having jurisdiction* shall fill in this part of the table with the wind speed from the ultimate design wind speeds map [Figure R301.2(2)]. Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.

e. [NY] The *authority having jurisdiction* shall fill in this section of the table to establish the design criteria using Table 10A from ACCA Manual J or established criteria determined by the *authority having jurisdiction*.

f. [NY] The *authority having jurisdiction* shall fill in this part of the table with the seismic design category determined from Section R301.2.2.1.

g. [NY] To establish *flood hazard areas*, each city, town, or village regulated under Part 1203 of Title 19 of the Official Compilation of Codes, Rules and Regulations of the State of New York (NYCRR) shall adopt a flood hazard map and supporting data. The flood hazard map shall include, at a minimum, special *flood hazard areas* as identified by the Federal Emergency Management Agency in the Flood Insurance Study for the community, as amended or revised with:

   i. The accompanying Flood Insurance Rate Map (FIRM),
   ii. Flood Boundary and Floodway Map (FBFM), and
   iii. Related supporting data along with any revisions thereto.

h. [NY] In accordance with Sections R905.1.2, 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, the *authority having jurisdiction* shall fill in this part of the table with "YES." Otherwise, the *authority having jurisdiction* shall fill in this part of the table with "NO."

i. [NY] The *authority having 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)."

j. [NY] The *authority having jurisdiction* shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)."

k. [NY] In accordance with Section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the *authority having jurisdiction* shall fill in this part of the table with "YES." Otherwise, the *authority having jurisdiction* shall indicate "NO" in this part of the table.

l. [NY] In accordance with Figure R301.2(2), where there is local historical data documenting unusual wind conditions, the *authority having jurisdiction* shall fill in this part of the table with "YES" and identify any specific requirements. Otherwise, the *authority having jurisdiction* shall indicate "NO" in this part of the table.

m. [NY] In accordance with Section R301.2.1.2 the *authority having jurisdiction* shall indicate the wind-borne debris wind zone(s). Otherwise, the *authority having jurisdiction* shall indicate "NO" in this part of the table.

n. [NY] The *authority having jurisdiction* shall fill in these sections of the table to establish the design criteria using Table 1a or 1b from ACCA Manual J or established criteria determined by the *authority having jurisdiction*.

o. [NY] The *authority having jurisdiction* shall fill in this section of the allowable stress design table using the Ground Snow Loads in Figure R301.2(3) in accordance with Section R301.2.3.

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