

TABLE 301.2(1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN		SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP ^a	ICE BARRIER UNDERLAYMENT REQUIRED ^a	FLOOD HAZARDS ^g	AIR FREEZING INDEX ⁱ	MEAN ANNUAL TEMP ^j
	Speed ^d (mph)	Topographic effects ^e		Weathering ^a	Frost line depth ^b	Termite ^c					
30 PSF No Reduction	90 MPH	NO	B	Severe	40"	Moderate to Heavy	5°	Yes	1' Freeboard Effective Date 06/16/2009	1500 Or Less	50.1°F

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 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. The frost line depth may require deeper footings than indicated in Figure 403.1(1). The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.
- c. Indicates the need for protection depending on whether there has been a history of local subterranean termite damage.
- d. Wind exposure category shall be determined on a site-specific basis in accordance with Section 301.2.1.4.
- e. The outdoor design dry-bulb temperature shall be determined from the following table:

STATION	HEATING DEGREE DAYS (yearly total)	DESIGN TEMPERATURES	DEGREES NORTH LATITUDE
Akron-Canton	6,037	6°	41°00'
Cincinnati	4,410	6°	39°10'
Cleveland	6,351	5°	41°20'
Columbus	5,660	5°	41°00'
Dayton	5,622	4°	39°50'
Mansfield	6,403	5°	41°50'
Sandusky	5,796	6°	41°30'
Toledo	6,494	1°	41°40'
Youngstown	6,417	4°	41°20'

- f. The seismic design category shall be determined from Section 301.2.2.1.
- g. The jurisdiction shall fill in this part of the table with (a) the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas), (b) the date(s) of the Flood Insurance Study and (c) the panel numbers and dates of all currently effective FIRMs and FBFMs or other flood hazard map adopted by the authority having jurisdiction, as amended.
- h. In accordance with Sections 905.2.7.1, 905.4.3.1, 905.5.3.1, 905.6.3.1, 905.7.3.1 and 905.8.3.1.
- i. The air freezing index shall also be permitted to be determined from the 100-year (99%) value on the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°)" at www.ncdc.noaa.gov/fpsf.html.
- j. The 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)" at www.ncdc.noaa.gov/fpsf.html.
- k. In accordance with Section 301.2.1.4, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.