TRUMBULL COUNTY BUILDING DEPARTMENT
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301.2 CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	20-25
WIND SPEED (mph)	115
SEISMIC DESIGN CATEGORY	B

SUBJECT TO DAMAGE FROM

Weathering a –	SEVERE
Frost line depth b –	40”
Termitec-	MODERATE TO HEAVY
Decay d-	MODERATE

WINTER DESIGN TEMP	4’F
ICE SHIELD UNDERLAYMENT REQUIRED	YES
FLOOD HAZARDS h	NOTE# L
AIR FREEZING INDEX	1,500
MEAN ANNUAL TEMP	48.5

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

b. 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 grade of masonry units shall be determined from ASTM C34, C55, C62, C73, C90, C129, C145, C216 or C652.

c. Where the frost line depth requires deeper footings than indicated in Figure 403.1(1), the frost line depth strength required for weathering shall govern. The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.

d. *Indicates* the need for protection depending on whether there has been a history of local subterranean termite damage.

e. Wind exposure category shall be determined on a site-specific basis in accordance with Section 301.2.1.4.

f. The outdoor design dry-bulb temperature shall be *determined from the following table:*

g. The jurisdiction shall fill in this part of the table with the seismic design category determined from Section 301.2.2.1.

h. 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 the currently effective FIRMs and FBFMs or other flood hazard map adopted by the authority having jurisdiction, as amended.

i. In accordance with Sections 905.1.2, 905.4.3.1, 905.5.3.1, 905.6.3.1, 905.7.3.1 and 905.8.3.1, *all jurisdictions in Ohio have* a history of local damage from the effects of ice damming,

j. The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from Figure 403.3(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)."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)."

k. The 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 jurisdiction.

l. The jurisdiction shall fill in this section of the table using the Ground Snow Loads in Figure 301.2(6).

1. contact Trumbull County Planning Commission Julie Green, Nick Coggins

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