

GROUND SNOW LOAD <sup>o</sup> :	20 PSF.
Design roof load shall not be less than a uniform snow load of 25 psf.	
WIND DESIGN	
SPEED <sup>d</sup> (mph):	90
Wind speed from the basic wind speed map [Figure R301.2(4)A]. Wind exposure category shall be determined in accordance with Section R301.2.1.4 WIND DESIGN	
TOPOGRAPHIC EFFECTS <sup>k</sup> :	NO
In accordance with Section R301.2.1.5	
SPECIAL WIND REGION <sup>l</sup> :	NO
WIND-BORNE DEBRIS ZONE <sup>m</sup> :	NO
SEISMIC DESIGN CATEGORY <sup>f</sup> :	B
In accordance with Section R301.2.2.1	
SUBJECT TO DAMAGE FROM:	
WEATHERING <sup>a</sup> :	Severe as determined from the Weathering Probability Map [Figure R301.2(3)]. The grade of masonry units shall be determined from ASTM C34, C55, C62, C73, C90, C129, C145, C216 or C652.
FROST LINE DEPTH <sup>b</sup> :	24 inches
TERMITE <sup>c</sup> :	Slight to Moderate Based on history of local subterranean termite damage.

WINTER DESIGN TEMP <sup>e</sup> :	10 degrees F
The outdoor design dry-bulb temperature shall be selected from the columns of 97½-percent values for winter from Appendix D of the International Plumbing Code or as determined by the Building Official.	
ICE BARRIER UNDERLAYMENT REQUIRED <sup>h</sup> :	NO
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 21 R905.8.3.1, where there has been a history of local damage from the effects of ice damming.	
FLOOD HAZARDS <sup>g</sup> :	Floodplain ordinance effective 4/18/2011, with current revisions and FIRM maps as currently adopted.
AIR FREEZING INDEX <sup>i</sup> :	860
Based on the 100-year return period air freezing index (BF-days) from Figure R403.3(2) or from the 100-year (99%) value on the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32° Fahrenheit)" at <a href="http://www.ncdc.noaa.gov/fpsf.html">www.ncdc.noaa.gov/fpsf.html</a> .	
MEAN ANNUAL TEMP <sup>j</sup> :	51.8 degrees F
Based on the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)" at <a href="http://www.ncdc.noaa.gov/fpsf.html">www.ncdc.noaa.gov/fpsf.html</a> .	
MANUAL J DESIGN CRITERIA <sup>n</sup> :	
Elevation:	2867
Latitude:	44 deg. N.
Winter heating:	11 deg.
Summer cooling:	95 deg.

Altitude correction factor:	.98
Indoor design temperature heating:	70 deg.
Indoor design temperature cooling:	75 deg.
Heating temperature difference:	60 deg.
Cooling temperature difference:	20 deg.
Wind velocity heating:	15.0
Wind velocity cooling:	7.5
Coincident wet bulb:	63 deg.
Daily range:	High
Winter humidity:	50%
Summer humidity:	50%