City of Jenks Climate and Geographic Design Criteria

Ground Snow Load	Wind Design Speed (mph)	Wind Design !Topographic Effects	Seismic Design Category	Subject To Damage From Weathering	Subject To Damage From Frost Line	Subject To Damage From Termite	Winter Design Temp	Ice Barrier Underlayment	Flood Hazards	Air Freezing Index	Mean Annual Temp
10	90 (d)	No (k)	B (f)	Mod (a)	18" (b)	Mod-Hvy	13 (e)	No (h)	• Yes (g)	442 (i)	60.3 (j)

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 (i.e., "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. The frost line depth may require deeper footings than indicated in Figure R403.1(1). The frost line depth is the minimum depth of footing below finish grade.

c. The need for protection depends on whether there has been a history of local subterranean termite damage.

d. The wind speed from the basic wind speed map [FigureR301.2(4)]. Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.

e. The outdoor design dry-bulb temperature shall be selected from the columns of 971/2-percent values for winter from Appendix D of the International Plumbing Code. Deviations from the Appendix D temperatures shall be permitted to reflect local climates or local weather experience as determined by the building official.

f. The seismic design category determined from Section R301.2.2.1.

g. The National Flood Insurance Program Flood Map panel numbers and dates of all currently effective FIRMs and FBFMs or other flood hazard map adopted by the City of Jenks, See * Below.

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, there has been no history of local damage from the effects of ice damming.

i. 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')" at www.ncdc.noaa.gov/fpsf.html.

j. 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 R301.2.1.5, there is No local historical data documenting structural damage to buildings due to topographic wind speed-up.

- 2012 FIRM Map Index No. 401431NDOC- Map Panels 342L, 344L, 361L, 362L, 363L, 364L, 407L, 426L, 427L, 428L, 429L, 431L, 433L