

The City’s climatic and seismic data is provided for architects and engineers to design a building and site.

CLIMATIC DATA:

DESIGN TEMPERATURE:

January 2.5% Temperature	-8C
January 1% Temperature	-10C
July 2.5% Drybulb Temperature	30C
July 2.5% Wetbulb Temperature	20C
Degree Days Below 18 degrees C	2810 Days

PRECIPITATION:

Max one Day Rainfall	134mm
Max 15 Minute Rainfall	10mm
Annual Rainfall	1800mm
Annual Total Precipitation	1950mm
Driving Rain Wind Pressure 1/5	160 Pa
Moisture Index	1.9

SNOW LOADS:

Ground Snow Load, Snow Component Ss (50 years)	2.6 kPa
Ground Snow Load, Rain Component Sr (50 years)	0.2 kPa

HOURLY WIND PRESSURES:

Probability 1/10	0.34kPa
Probability 1/50	0.45kPa

SEISMIC DATA:

Site specific 2024 BC Building Code (2020 National Building Code of Canada) seismic hazard values can be determined by a professional engineer using National Resources Canada data available at:
<https://www.seismescanada.rncan.gc.ca/hazard-alea/interpolat/nbc-cnb-en.php>.

Determination of the exact seismic design values in 2024 BC Building Code requires professional engineering determination of technical parameters like “site designation” and of target probability of exceedance for each specific design.

Effective: February 6, 2025