Climatic and Seismic Design Data

(for Structural and Environmental Building Design)

Design Temperature and Precipitation (@ 60 m)										
January		July 2.5%		Degree-Days Below 18 °C	15 Min. Rain mm	One Day Rain, 1/50, mm	Annual Rain, mm	Moist. Index	Annual Total Ppn., mm	DRWP Pa, 1/5
2.5% °C	1% °C	Dry °C	Wet °C							
-3	-5	26	18	2 860	8	95	895	1.06	915	160

Snow Load, kPa, 1/50 *		
approx. elev.	S_s	S_r
	2.1	0.2
*95m**	2.6	0.3
*130m**	3.4	0.3

Hourly Wind, kPa	
1/10	1/50
0.33	0.42

Snow Load

* Based on higher elevations, some areas have greater Ss & Sr values - See ***Snow Load Data*** bulletin

Seismic Data							
S_a (0.2)	S_a (0.5)	S_a (1.0)	S_a (2.0)	S_a (5.0)	S_a (10.0)	PGA	PGV
1.287	1.147	0.669	0.394	0.123	0.043	0.574	0.825

Windows & Doors (NAFS)				
Performance Grade (PG)	Design Pressure (DP), Pa	Water Test Pressure (WP), Pa	Maximum U Value	Maximum U Value, One Door
25	1200	220	1.8	2.6

Design data interpreted from:

- 2018 BCBC Division B – Appendix C;
- Water and Climate Services Division, Meteorological Service of Canada, Environnent Canada ; and,
- Earthquake Canada Seismic Design Tool, National Resources Canada

www.earthquakescanada.nrcan.gc.ca

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