

Schedule A – Climatic Data

Elev. (m)	Design Temperature				15 Min. Rain (mm)	One Day Rain 1/50 (mm)	Ann. Rain (mm)	Moist Index	Ann. Total Ppn. (mm)	Driving Rain Pressure (Pa), 1/5	Hourly Wind Pressures (kPa)		Seismic Data S _{max} According to Site Class (2024 BCBC – Part 9)					
	January		July 2.5%								1/10	1/50	A	B	C	D	E	Unknown
	2.5% C°	1% C°	Dry C°	Wet C°														
45	-7	-9	28	19	12	150	1600	1.7	1700	160	0.36	0.48	0.441	0.544	0.855	1.14	1.2	1.2

Ground Snow Load					HDD below 18C°
Elevation (m)	Ss (kPa)	Sr (kPa)	Ss (psf)	Sr (psf)	
0 - 50	2.37	.3	50	6	2950
>50 – 100	2.65	.3	55	6	
>100 – 150	2.92	.4	61	8	
>150 – 200	3.20	.4	67	8	
>200 – 240	3.42	.5	71	10	
>240 – 280	3.64	.5	76	10	
>280 – 320	4.89	.6	102	13	3070
>320 – 360	6.24	.6	130	13	3450

Ground Snow Load Calculations over 360 meters:

- Ss (kPa) = - 5.86 + (0.0336 x Elevation in meters)
- Sr (kPa) = 0.22 + (0.0011 x Elevation in meters)

Seismic Data (2024 BCBC – Part 4)
Obtain the seismic hazard values from the 2020 NBCC Seismic Hazard Tool: https://www.earthquakescanada.nrcan.gc.ca/hazard-alea/interpolat/nbc2020-cnb2020-en.php

Seismic Data (2018 BCBC)				
S _a (0.2)	S _a (0.5)	S _a (1.0)	S _a (2.0)	PGA
0.818	0.721	0.410	0.250	0.356

Data is collated from the appendix of the 2018 and 2024 British Columbia Building Code, and Environment and Climate Change Canada.