

Appendix C Climatic and Seismic Values from 2024 BCBC

	Climatic and Seismic Values	Ladysmith General Elev: 80m
1.	2.5% January Design Temperature	-7 °C
2.	1% January Design Temperature	-9°C
3.	2.5% July Design Dry-Bulb Temperature	27°C
4.	2.5% July Design Wet-Bulb Temperature	19°C
5.	Annual Total Degree Days Below 18 OC	2920
6.	15 Min. Rainfall	8 mm
7.	One Day Rainfall (1/50)	97 mm
8.	Annual Rain	1075 mm
9.	Moisture Index	1.2
10.	Annual Total Precipitation	1160 mm
11.	Driving Rain & Wind Pressure (1/5)	180 Pa
12.	Ground Snow Load, S _s (1/50)	2.4 kPa
13.	Associate Rain Load, S _r (1/50)	0.4 kPa
14.	Hourly Wind Pressures: Probability 1/10..... Probability 1/50.....	 0.32 kPa 0.40 kPa
15.	For 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	
16.	For Part 9 Seismic Design Parameter, S _{max} According to Site Class: Site Class A..... Site Class B..... Site Class C..... Site Class D..... Site Class E or Unknown Site Class.....	0.636 0.773 1.28 1.65 1.7