

Snow Load Design Data

(for Structural Building Design in Central Saanich)



The BC Building Code provides Climatic Data for various locations across the province, collected from the Atmospheric Environment Service, Environment Canada. Central Saanich, located in-between the recorded areas of Sidney and Victoria, has consulted with Environment Canada to provide data specific to this area. This review has resulted in a more accurate assessment of the ground snow load based on the elevations as well as the historical data of snow depth, weight and rain loads. Due to the topography of the area, Central Saanich is now divided into a few different zones for the ground snow load (snow and rain component), used in structural calculations.

The majority of properties in Central Saanich will use
Ss (50 years) = 2.1 kPa (43.9 psf)
Sr (50 years) = 0.2 kPa (4.2 psf)

For Higher elevations areas (see map for details)
Ss (50 years) = 2.6 kPa (54.3 psf) or 3.4 kPa (71.0 psf)
Sr (50 years) = 0.3 kPa (6.3 psf)



