



Building Services
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BUILD-21
Engineering Design
Standards

What are Engineering Design Standards? They are the standards used by those who design buildings to ensure that they have adequate strength to resist the loads placed upon them. For example, before you build a roof, you will want to know the amount of snow (in our area) that the roof will need to withstand without bending or collapsing.

The City of Spokane has adopted the following Engineering Design Standards:

Ground Snow Load: 39 pounds per square foot

Basic Wind Speed (mph): 85 mph (3-second gust) Exposure B (Urban and Suburban areas)

Seismic Design Category: C

Weathering: Severe

Frost Line Depth: 24 inches

Termite: Slight

Decay: Slight

Winter Design Temperature: 4 degrees Fahrenheit

Ice Shield Underlayment Required: Yes

Air Freezing Index: ~1250

Mean Annual Temperature: 47.2 degrees Fahrenheit