

3.02.030 - Design loads.

(a) In addition to the criteria set forth in the codes adopted by this title, buildings and structures shall be constructed in accordance with the criteria set forth in the following table:

Ground Snow Load	Wind Speed (Gust)	Seismic Design Category	Weathering	Frost Line Dept	Termites	Decay	Winter Design Temp	Ice Shield Underlay	Flood Hazards	Air Freeze Index	Mean Annual Temp
39 lbs/ft ² (b)	85 mph 70 fastest	ISO 33 C*	Severe	24"	Slight	None to Slight	10° F	Yes	1612.3 IBC FEMA Map Res. 03-0800(c)	1232	47.2° F

* Portions of the unincorporated areas of Spokane County are located within Seismic Design Category B. Code provisions applicable to Category B may be utilized upon demonstration by the applicant that a project is located within Category B.

- (b) Snow Loads. The basic minimum roof snow load for the county is established as thirty pounds per square foot except as otherwise provided for in this title. The director in all cases shall determine snow loads where the minimum figure hereby established appears inadequate. Such determinations shall be based on analysis of local climate and topography and the "Snow Load Analysis for Washington" as published by the Structural Engineers Association of Washington.
- (c) Flood Damage Protection. Flood loads and flood resistant construction requirements contained within the codes adopted herein shall be used in conjunction with the requirements of Chapter 3.20. In case of conflict, the requirements of Chapter 3.20 shall prevail.

(Res. 04-0625 Attachment A (part), 2004)

3.02.040 - Foundation requirements.

Frost depth shall be a minimum of twenty-four inches below finished grade to the bottom of the footing. Where greater depth is indicated by a foundation investigation, or by conditions where ground will be uncovered or compacted, such greater depth shall be used.

EXCEPTIONS: (a) Frost depth for detached Group U Occupancy buildings and detached accessory buildings regulated under the IRC shall not be less than eighteen inches.

- (b) As to not undermine existing foundations, footings for additions to residences and attached garages may be placed at the same depth as the existing footings but in no case less than eighteen inches below finished grade.
- (c) A concrete slab of the thickness required by Section 1911 of the IBC may be used without the required footings for Group U occupancies and detached accessory buildings regulated under the IRC not exceeding one thousand square feet in area when separated from a main building, provided the edge of said slab is twelve inches in width and twelve inches in depth. Alternative methods of construction for footings and foundations on detached Group U structures and detached accessory buildings regulated under the IRC may be authorized by the director.

(Res. 04-0625 Attachment A (part), 2004)