

Chapter 15.16

DESIGN AND CONSTRUCTION STANDARDS

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15.16.005 Climatic and Geographic Design Criteria

Table R301.2(1)

SNOW LOAD	WIND SPEED (mph)	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM				WINTER DESIGN TEMP	ICE SHIELD UNDER-LAYMENT REQUIRED	FLOOD HAZARD	AIR FREEZING INDEX	MEAN ANNUAL TEMP
			Weathering	Frost line depth	Termite	Decay					
MIN. 35 PSF	85 mph	C	SEVERE	24"	SLIGHT TO MODERATE	NONE TO SLIGHT	5°	YES	YES	1060	51.5

15.16.010 Snow Load

The minimum snow load design standard is thirty-five (35) pounds per square foot. The building official may increase the snow load requirement on a case-by-case, when based upon location of the structure, the minimum standard is inadequate. Increased requirements shall be based on analysis of local climate and topography and the most current edition of the publication entitled *Snow Load Analysis for Washington*, as published by the Structural Engineers Association of Washington.

15.16.020 Wind Load and Exposure.

The minimum basic wind-speed design standard is eighty-five (85) miles per hour. The wind exposure category shall be determined by structure location.

15.16.030 Footing Depth.

The bottom of footings shall be a minimum of twenty-four (24) inches below finished grade.

15.16.040 Seismic Zone.

The seismic design category for Douglas County is C.