



BUILDING DIVISION

8047 W Main Street
 Rathdrum, ID 83858
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CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

Roof Snow Load	40 psf
Ground Snow Load	56 psf
Wind Speed	115 mph, 3 second gust for residential, Commercial is established by calculation
Exposure	B
Seismic Design Category	C
Weathering	Severe (see Ice Shield for roofs below)
Frost Line Depth	24 inches
Termite Damage	Slight to Moderate
Soil Bearing Capacity	1500 psf (without soils investigation)
Concrete	2500 psi (not exposed to the weather) 3000 psi (vertical exposed to the weather) 3500 psi (porches, slabs, steps, garage slabs)
Design Temperatures:	
Mean Annual Design Temperature	45 °
Winter	25 °
Summer	63 °
Summer Degree Range	40 ° (change)
Yearly Degree Average	50 °
Heating Degree Days	6513
Cooling Degree Days	502
Average # of Clear Days	169
Air Freezing Index	1000
Ice Shield Underlayment is required because of occasional severe conditions, reference R905.2-7.1	
Other Design Information:	
Latitude/Longitude	47 ° 48'30N, 116 ° 53'33W
Elevation above sea level	2211
Flood Hazard Information: Title 13 City Code Ordinance 513, 4-13-2010 eff; 5-3-2010	
Date of currently adopted flood maps	May 3, 2010