



BUILDING DIVISION

Climatic and Geographic Design Criteria

Public Services Department
 408 N. Spokane St. – Post Falls, ID 83854
 Phone: (208)773-8708 Fax: (208)777-8378
 www.postfallsidaho.org

Table R301.2(1) from 2009 IRC and from 2009 IBC General Design Criteria

| | |
|--|---|
| Roof Snow Load | 40 psf |
| Ground Snow Load | 56 psf |
| Wind Speed | 90 mph, 3 second gusts |
| 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° North, 116° West |
| Elevation above sea level | 2198 feet |
| Flood Hazard Information: (Reference Municipal Code Chapter 15.44) | |
| Date City of Post Falls entered NFIP | August 17th, 1981 |
| Date of currently adopted flood maps | February 17th, 1982 (FIRM maps) |