



**Building Safety Division**  
 210 W. 6<sup>th</sup> Avenue, Kennewick, WA 99336  
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**CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

**Table R301.2(1) from 2015 IRC and from 2015 IBC General Design Criteria**

Roof and Ground Snow Load	20 psf, (drifting must be accounted for in IBC)
Wind Speed Commercial	110 mph w/3 sec gusts
Wind Speed Residential	110 mph w/3 sec gusts
Topographical Effect	No
Seismic Design Category	C
Weathering	Severe (see Ice Shield for roofs)
Frost Line Depth	24 inches
Termite Damage	Slight to Moderate
Decay Damage	None

**Design Temperatures:**

Mean Annual Design Temperature	53.9° F
Winter	13° F
Summer	101° F
Summer Degree Range	30° F (change)
Yearly Degree Average	53.9° F
Average # of Clear Days	225 (occurs primarily April 1 to November 1)
Air Freezing Index	801

Ice Shield Underlayment is **REQUIRED** because of occasional severe conditions, see R905.1.2.

**Other Design Information:**

Latitude	46° North
Elevation above sea level	350 feet

**Flood Hazard Information:**

	FEMA
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