



Building Safety Division
 210 W. 6th Avenue, Kennewick, WA 99336
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CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

Table R301.2(1) from 2018 IRC and from 2018 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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