



LOCAL DESIGN CRITERIA

Residential and Commercial Buildings under the IBC

For both residential and commercial buildings constructed under the IBC, the structural design criteria shall be performed in accordance with IBC Chapter 16, ASCE 7-16, and the project geotechnical investigation. Please note that design criteria shall be site specific.

Single Family, Two Family, and Townhomes under the IRC

For residential buildings and structures constructed under the IRC, the climatic and geographic design criteria shall be as provided in the completed IRC Table R301.2(1) provided below.

IRC TABLE R301.2(1)		
CLIMACTIC AND GEOGRAPHIC DESIGN CRITERIA		
Roof and Ground Snow Load		20psf
Maximum Wind Speed	Speed (mph)	V _{ult} 110
	Topographic Effect	No
	Exposure Category	C
	Special Wind Region	No
Seismic Design Category		C
Subject to Damage	Weathering	Severe
	Frost Line Depth	24 inches
	Termite Damage	Slight to Moderate
Ice Shield Underlayment Required		No
Flood Hazards		See Map *
Air Freezing Index		808
Mean Annual Design Temperature		55.8 Degrees F
ACCA MANUAL J DESIGN CRITERIA		
Elevation		531
Latitude		46°14'
Winter Heating		11°F
Summer Cooling		96°F
Altitude Correction Factor		1.0
Indoor Design Temperature		70°F
Design Temperature Cooling		75°F
Heating Temperature Difference		21°F
Cooling Temperature Difference		96°F
Wind Velocity Heating		15 mph
Wind Velocity Cooling		7.5 mph
Coincident Wet Bulb		67°F
Daily Range		High
Winter Humidity		N/A
Summer Humidity		-11 (grains of moisture)

*<https://www.pasco-wa.gov/DocumentCenter/View/62930/Critical-Areas-And-Resource-Lands-Map>