

	<h2 style="margin: 0;">COMMUNITY DEVELOPMENT DEPARTMENT</h2> <p style="margin: 0;">1030 Roe St, Steilacoom, WA 98388 P: (253) 581-1912 · F: (253) 582-0651 <a href="http://www.townofsteilacoom.org">www.townofsteilacoom.org</a></p>
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## Residential Design Criteria

The following establishes the basic climatic and geographic design criteria to assist in designing buildings and structures using the 2018 International Residential Code (IRC).

**Table R301.2(1)  
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

Ground Snow Load	WIND DESIGN				Seismic Design Category	Subject to Damage From				Winter Design Temp (°F)	Ice Shield Underlayment Required	Flood Hazards	Air Freezing Index	Mean Annual Temp (°F)
	Wind Speed (mph)	Topographic effects	Special Wind region	Wind-borne debris zone		Weathering	Frost Line Depth	Termite	Decay					
20	110 (mostly Exp. B)	NO	NO	NO	D <sub>2</sub>	Moderate	6"	Slight-Mod	Slight-Mod	26	No	1983FIRM (constr. N/A in 100yr. flood zone)	117	51.2

For SI: 1 pound per square foot = 0.0479 kPa, 1 mile per hour = 0.447 m/s.

### Additional design information for using the 2018 International Residential Code:

- **Foundation Drainage:**
  - Perimeter footing drains should be assumed as required by IRC R405, without soils study, when there is habitable space below grade.
  - Slope away from foundation is required for all structures: min. 6" fall in 10'.
- **Other:**
  - Specific setback requirements, height and lot coverage restrictions, and other zoning requirements will apply to each project. Contact the Community Development department for more information, or access the Builders Packet online via the Town's website: <https://townofsteilacoom.org/159/Community-Development>. **(Owners in the Historic District should also review Preservation Review Board requirements)**