

**International Residential Code (IRC)**  
**Table R301.2(1)**  
**Climatic and Geographic Design Criteria**

8/12/2016

The city may require additional information as needed. If you have any questions concerning your application submittal, please visit or call Permit Processing (425-452-4898) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Assistance for the hearing impaired: Dial 711.

The provisions of the 2015 IRC for one- and two-family dwellings apply to the construction, alteration, and enlargement of:

- detached one- and two-family dwellings, and
- townhouses\* not more than three stories above grade plane in height with a separate means of egress, and
- their accessory structures.

When a building or structure falls within the limitations of R301, the criteria noted in Table R301.2(1) must be used for design of the building or structure.

Buildings and structures must be constructed to safely support all loads (including dead loads, live loads, roof loads, flood loads, snow loads, wind loads, and seismic loads) as prescribed in the 2015 IRC. Design and construction must result in a system that provides a complete load path capable of transferring all loads from their point of origin through the load-resisting elements to the foundation.

\*A townhouse is a single-family dwelling unit constructed in a group of three or more attached units in which each unit extends from foundation to roof and with a yard or public way on not less than two sides. Townhouses not more than three stories in height with a separate means of egress fall under the provisions of the IRC. Accessory structures fall under the provisions of the IRC—under the code(s) applicable to the main structure that they are accessory to.

**TABLE R301.2(1)**

GROUND SNOW LOAD	WIND DESIGN		SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			Winter Design Temp	ICE BARRIER UNDER-LAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed (mph)			Weathering	Frost line depth	Termite					
25 (roof snow load shall also be 25 psf unless proven otherwise by the licensed structural engineer-of-record.	85	NO	D2	MODERATE	12	Slight to Moderate	22	NO	March 12, 1974 entry into National Flood Insurance Program. Current maps dated May 16, 1995 entitled "The Flood Insurance Study for King County"	170	51