



## Assigned Design Values 2003 IRC

### Prescriptive Design

- **International Residential Code – limitations.** Buildings designed under International Residential Code provisions are limited to one and two family dwellings as well as multiple single-family dwellings (townhouses) not more than three stories in height.
- **IRC Table R301.2(1)** Prescriptive design values are determined as required by climatic and geographical design criteria based upon local conditions and established in IRC table R301.2(1).

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

GROUND SNOW LOAD <sup>a</sup>	WIND SPEED (mph)	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM				WINTER DESIGN TEMP	ICE SHIELD UNDER-LAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
			Weathering	Frost line depth	Termite	Decay					
30	90	A	Severe	36"	Moderate/Heavy		10	Yes	Per Local Ordinance	1500	50

### Engineering Design

- **Design of portions.** When a building of otherwise conventional construction contains structural elements exceeding the limits of IRC Section R301 or otherwise, not conforming to this code, these elements shall be designed in accordance with accepted engineering practice. The extent of such design need only demonstrate compliance of non-conventional elements with other applicable provisions and shall be compatible with the performance of the conventional framed system. Engineered design in accordance with the *International Building Code* is permitted for all buildings and structures, and parts thereof, included in the scope of this code.