



Carson City Building Division

Kevin Gattis, Chief Building Official

ADOPTED CODES AND DESIGN CRITERIA

ADOPTED CODES

- 2012 Northern Nevada Amendments*
- 2011 Northern Nevada Amendments (regarding the International Energy Conservation Code)
- 2012 International Building Code
- 2012 International Residential Code
- 2012 International Existing Building Code
- 2012 International Property Maintenance Code
- 2012 International Swimming Pool and Spa Code
- 2009 International Energy Conservation Code
- 2012 International Fuel Gas Code
- 2012 Uniform Mechanical Code
- 2012 Uniform Plumbing Code
- 2011 National Electrical Code
- 2009 ICC/ANSI A117.1

* - Carson City, Lyon County, Washoe County, City of Fernley, City of Reno, and City of Sparks, with input from interested members of the construction and design communities drafted regional amendments to the adopted codes in the form of the “2011/2012 Northern Nevada Amendments”. Copies of the 2011/2012 Northern Nevada Amendments are available online at www.nnicc.org, through the Northern Nevada Chapter of the International Council (NNICC), under the ‘Multiple Jurisdictions’ page.

DESIGN CRITERIA

Climate and Geographic Design Criteria -

- Roof Snow Load – See Below
- Wind Speed (mph) – 126 mph (3-gust), with Exposure defaulting to “C” per ASCE 7-10
- Seismic Design Category – “E” (Unless a site specific analysis is performed and approved)
- Frost Depth – 24” minimum
- Winter Design Temperature – 10
- Ice Shield Under Layment Required – Yes > 5,500’ elevation
- Flood Hazards – Consult with the Engineering Division of Development Services
- Air Freezing Index – 500
- Mean Annual Temperature – 50
- Subject to Damage From –
 - Weathering – Severe
 - Termite – Moderate/Heavy
 - Decay – None/Slight

GROUND SNOW LOADS P_g , FOR CARSON CITY

Elevation In Feet	WEST of U.S. Hwy 395	EAST of U.S. Hwy 395
	P_g (Pounds Per Square Foot)	P_g (Pounds Per Square foot)
4,500	30	30
5,000	30	30
5,100	41	31
5,200	52	33
5,300	64	34
5,400	75	35
5,500	86	37
6,000	142	43
6,500	171	43
7,000	200	57
7,500	215	57
8,000	229	86
8,500	243	86
9,000	271	114
9,500	300	142
10,000	357	142

Footnotes:

1. Drift load design in the 30-psf zones may utilize ASCE 7 -10 table C7-1 ground snow values.
2. The final roof design loads shall not be less than 20 psf after all reductions are factored
3. Intermediate values may be interpolated by proportion.

The Carson City Building Division requires that all projects located above 5,099', or located within an area with a 40 psf or greater snow load, are to be designed by a Nevada licensed Architect or Engineer, using the structural provisions of the International Building Code (IBC).