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**DESIGN CRITERIA**  
**BUILDING DIVISION**

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CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA - COCONINO COUNTY

Designations for Table R301.2 (1) as Follows:

- A. Ground Snow Load – The ground snow load shall be 15 pounds per square foot greater than the listed snow loads
- B. Wind Speed – 90 Miles per Hour
- C. Seismic Design Category – Do
- D. Weathering – Moderate
- E. Climate Zone – Climate Zone 5
- F. Frost Line – 30 inches into undisturbed soil for exterior footings in all areas of Coconino County with the exception of Oak Creek/Sedona, Marble Canyon and Grenehaven where the depth is 24 inches into undisturbed soils. All interior footings depth shall be 18 inches into undisturbed soil.
- G. Termite – Site Specific: When treatment is required by other agencies or lending institutions, then the report shall be filed with the permit from the County Building Department.
- H. Ice Barrier Underlayment Required – All areas of Coconino County Except: Marble Canyon and Grenehaven.
- I. Flood Hazard – The Flood Plain Administrator is the Director of Coconino County Community Development.

SNOW LOADS - Amend IBC 1608. by adding the following:

Snow Loads for roof design shall be considered as a non-reducible live load on the roof. The Ground Snow Load shall be a minimum of fifteen (15) pounds per square foot greater than the listed Snow Load for the following areas:

- A. Fifty (50) pounds per square foot:
  - 1. Hart Prairie
  - 2. Kendrick Park
  - 3. Jacob Lake and the North Rim
  - 4. Any building site at an elevation of 8000 feet or more above sea level.
- B. Forty (40) pounds per square foot:
  - 1. Areas surrounding Flagstaff
  - 2. Doney Park
  - 3. Valle
  - 4. Tusayan
  - 5. Parks
  - 6. Areas surrounding Williams
  - 7. Clear Creek Pines
  - 8. Starlight Pines
  - 9. Happy Jack
  - 10. Forest Lakes
  - 11. Mormon Lake

12. Kachina Village
13. Mountaineire
14. Pinewood

C. Thirty (30) pounds per square foot

1. Cameron
2. Tuba city
3. Areas between Twin Arrows and Winslow
4. Oak Creek Canyon
5. Areas surrounding Ash Fork and Seligman
6. Areas surrounding Fredonia
7. Alpine Ranchos and Leupp

D. Twenty (20) pounds per square foot

1. Greenhaven
2. Marble Canyon

MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS – Amend IRC Table R301.5 as follows:

- A. Attics made useable –
  - For ceiling height is 6 feet or less the Live Load shall be a minimum of 40 pounds per square foot.
  - For ceiling heights greater than 6 feet the Live Load shall be a minimum of 60 pounds per square foot.
  - When the attic truss is a bonus room (habitable space) the floor Live Load shall be a minimum of 40 pounds per square foot.
- B. Decks and Exterior Balconies – 60 pounds per square foot.
- C. Sleeping Rooms – 40 pounds per square foot.
- D. Habitable Space – 40 pounds per square foot.
- E. Storage Rooms – 60 pounds per square foot.

ADOPTED CODES – Ordinance 2007-12

- A. 2006 International Building Code
- B. 2006 International Residential Code
- C. 2006 International Mechanical Code
- D. 2006 International Fuel Gas Code
- E. 2006 International Plumbing Code
- F. 2006 International Energy Conservation Code
- G. 2005 National Electric Code