

**HUMBOLDT COUNTY BUILDING DEPARTMENT  
CITY OF WINNEMUCCA BUILDING DEPARTMENT  
DESIGN CRITERIA  
2018 INTERNATIONAL BUILDING CODE  
2018 INTERNATIONAL RESIDENTIAL CODE**

Frost Depth – 24"

Wind Load

IRC - 89 mph Vasd nominal design wind speed/115 mph Vult ultimate design wind speed, Exposure C

IBC – Per Table 1604.5

Risk Category I (Ag buildings, storage buildings, garages, etc)– 90 mph basic design wind speed, Exposure C

Risk Category II (Buildings & Other Structures except those listed in Risk Categories I,III,IV– 95 mph basic design wind speed, Exposure C

Risk Category III ( Buildings and structures that represent substantial hazard to human life in the event of a failure) – 105 mph basic design wind speed, Exposure C

Risk Category IV(Buildings and other structures designated as essential facilities) – 100 mph basic design wind speed, Exposure C

Seismic Zone

IRC – D1

IBC - D

Roof Load – 20 lb live load with 5 lb dead load (or calculate as required by IBC requirements, Section 1607)

Ground Snow Load

Up to 5,000 ft. elevation – 5 lb roof load

Over 5,000 ft. elevation – 10 lb roof load

Soil Classification – 2018 IBC Table 1804.2

General (City and County – See exception below) – 2,000 psf

SW, SP, SM, GM and GC – Sand, silty sand, clayey sand, silty gravel, and clayey gravel

Other Areas – North (Denio/Virgin Valley); Sand Dunes Area (Artemesia, Delaney, Lambert) – 1,500 psf

CL, ML, MH, and CH – Clay, sandy clay, silty clay, clayey silt, silt and sandy silt

Note: Geotechnical reports may be required on commercial or large residential projects to determine soil capacity.

Construction documents shall contain the following and comply with Chapter 16 of the 2018 International Building Code

1. Floor and roof live loads
2. Ground snow loads
3. Basic wind load per hour
4. Earthquake design data (IBC Section 1603.1.5) Required regardless if other loads govern.
5. Flood zone- if applicable
6. Special loads
7. Indicate Risk Category – IBC Table 1604.5
8. Dead load
9. Concentrated loads – IBC Table 1607.1
10. Reducible loads – IBC Section 1605.3.2