

## **CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

- 1. GROUND SNOW LOAD; 30#**
- 2. WIND DESIGN; Basic Speed (mph): 90 Topographic: B**  
Ultimate Design wind speed:
  - a. Category 1 & 2 structures; 115 MPH
  - b. Category 3 & 4 structures; 120 MPH
- 3. SEISMIC DESIGN CATEGORY; B**
- 4. SUBJECT TO DAMAGE FROM.**  
Weathering: MODERATE  
Frost line: 20”  
Termite: SLIGHT
- 5. WINTER DESIGN TEMP; 5 deg.**
- 6. ICE BARRIER UNDERLAYMENT REQUIRED; NO**
- 7. FLOOD HAZARDS; X, A, AE, ETC.**
- 8. AIR FREEZING INDEX; 5-10 deg.**
- 9. MEAN ANNUAL TEMP; 50 deg.**
- 10. SOIL LOAD; 2,000# PSF, unless testing provides otherwise. New commercial construction or additions for projects over 2500 sqft , may require a geo-technical survey for design. Check with the Village of Ruidoso for more information.**
- 11. ENERGY ZONE; Per 2018 IECC and NMAC 14.7.6.11, Ruidoso: Zone 5B for residential and commercial**