TABLE R301.2(1)

CLIMATE AND GEOGRAPHIC DESIGN FOR APACHE COUNTY, ARIZONA

The following areas of Apache County are considered to be case study for the recommendation of ground snow loads. The Apache County Building Department adopted the (Snow Load Data for Arizona) manual, Published by the STRUCTURAL ENGINEERS ASSOCIATION OF ARIZONA, 1973.

Area	Elevation	Ground Snow Load	Required Roof Snow Load
* McNary	7200	55 PPSF	50PPSF
*Alpine	8020	50 PPSF	40 PPSF
*Greer	8490	50 PPSF	40 PPSF
*Nutrioso	8500	50 PPSF	40 PPSF
Eagar, Springerville			
*Vernon & Surrounding areas	7200 to 6000	35 PPSF	32 PPSF
All other areas below			
* 6,000 Ft. elevation		20 PPSF	20 PPSF

WIND DESIGN: Speed (MPH) 90 w/30 second gust. Topographic effects: YES

SEISMIC DESIGN CATEGORY: B

WEATHERING: Moderate

FROST LINE DEPTH: 18" (inches) below finished grade. (i.e. footings, plumbing pipes.)

TERMITE: None to slight

WINTER DESIGN TEMP: 4 degrees

ICE BARRIER UNDERLAYMENT REQUIRED: NO

FLOOD HAZARDS: The NFIP, as adopted by the Apache County Board of Supervisors Oct 2, 2007 and Administered by the Apache County Engineer.

AIR FREEZING INDEX: 1500

MEAN ANNUAL TEMP: 56 degrees

* Roofs must be designed to support loads as specified in R301.6 **or** the snow load shown here, whichever is greater. (Ground Snow Load x .8 ≈ Roof Snow Load)