



BUILDING SAFETY UNIT

POLICY

PB-16

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Date: 11/10/10

DESIGN CRITERIA CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

Roof Snow Load	Wind Speed (mph)	Seismic Design Category	SUBJECT TO DAMAGE FROM			Winter Design Temp	Ice Barrier Underlayment Required
			Weathering	Frost Line Depth	Termite		
20 to 50	90 MPH Exposure A, B, C	C	Negligible Below 3000 Moderate Above 3000	6 inches below 4500 12 inches above 4500	Moderate to Heavy	20°	NO

Flood Hazards	Air Freezing Index	Mean Annual Temp
Refer to Flood Plain Unit	194	53°

Yavapai County Snow Load by Elevation

NOTE: Actual elevation may vary. Specific site elevation will apply.	ELEVATION	SNOW LOAD	FOOTING DEPTH	ROOF SHEATHING
	3000 ft. to 5000 ft.	20 PSF	12" below 4500 ft. 18" above 4500 ft.	1/2"
	5001 ft. to 5900 ft.	30 PSF	18"	1/2"
	5901 ft. To 6200 ft.	40 PSF*	18"	1/2" or 5/8" With tile over 60#TL
	6201 ft. to 6500 ft.	45 PSF*	18"	5/8"
	Over 6501 ft.	50 PSF*	18"	5/8"

*These values may be considered as ground snow loads and reduces as appropriate per Section 1608 of the 2006 IBC. Design Snow Loads for reductions shall be determined in accordance with Chapter 7 of ASCE 7-05 to include snow drift and unbalanced loads. The minimum reduction permitted is to 30 PSF.