

# Greenlee County Engineering

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October 19, 2012

To Whom it may concern:

Currently, Greenlee County has adopted no building codes. Because we have no codes, Greenlee County has not determined and does not recommend building loads, does not review plans, does not inspect construction, or issue a Certificate of Occupancy. I suggest that owners contract for inspections and use a conservative Building Code.

With some exceptions, Arizona Law requires the County to issue a building permit. We issue a building permit at no cost when a Zoning Use Permit and Floodplain Permit are issued. We have a fee for the Zoning Use Permit. An address is provided with the Zoning Use Permit. Please see Commonly Asked Questions regarding addressing.

In recent history (November 1967) the maximum snowfall was about 34 inches in Stargo (El 5400 feet). Stargo is immediately north of Morenci. About 24 inches fell in Clifton (EL 3400 feet). This storm produced very heavy loading and several roofs collapsed. Elevations (3,200 feet to 8,000 feet) and conditions vary greatly in the County.

For public buildings in a County codes and loading standards are controlled by A.R.S. 34-461, i.e., the code of the largest Municipality should be used. Snow loads for several "public" buildings are shown from plans in our files.

Building	Location	Snow Load
LDS Stake Center	Duncan	40 psf
Morenci High School	Morenci	30 psf (non reducible)
Morenci Swimming Pool	Morenci	30 psf (non reducible)

In 1970, the live load for future roof on the County Annex, Clifton, was set at 20 psf. No snow load was noted on the plans.

The following information was provided by Trueline Engineering on April 27, 2006. The Town of Duncan has adopted the 1997 UBC. By Figure 16-1, the Minimum basic wind speed is 70 mph. By Figure A-16-1, the Ground snow Load, Pg, shall be established by the building official, use: 10 psf.

Please call if you have questions.

Yours truly,



Philip Ronnerud  
Engineer

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**DESIGN CRITERIA**  
**CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**  
*as published by Yavapai County*

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 60	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 Live Load/Snow Load by Area**

<b>AREA – NOTE: Actual elevation may vary. Specific site elevations will apply.</b>	<b>ELEV</b>	<b>SNOW LOAD LIVE LOAD</b>	<b>FOOTING DEPTH</b>	<b>ROOF SHEATH</b>
Antelope Lakes, Ashfork, Bagdad, Black Canyon City, Camp Verde, Cornville, Chino Valley, Congress/Congress Junction, Cordes Junction/Cordes Lakes, Cottonwood, Dewey, Humboldt, Kirkland/Kirkland Junction, Lake Montezuma, Long Meadow, Mayer, McGuireville, Morgan Ranch, Paulden, Peach Springs, Peeples Valley, Poland Junction, Prescott Country Club, Rimrock, Sedona, Seligman, Stanton, Walnut Grove, Wickenburg, Wilhoit, Yarnell	3000 ft. to 5000 ft.	20 PSF	12” below 4500 ft.  18” above 4500 ft.	½”
Castle Canyon Mesa, Creekside Drive, Crossroads Ranch, Diamond Valley, Granite Oaks, Idylwild, Inscription Canyon, Jerome, Kingswood Heights, Lynx Estates, Mint Creek Ranch, Pine Lakes, Pinion Oaks, Prescott Royal Oaks, Talking Rock Ranch, Whispering Canyon, Wildwood Estates, Williamson Valley	5001 ft. to 5400 ft.	30 PSF	18”	½”
Camp Wood, Mountain Club, Oak Knoll, Rancho Vista Hills	5401 ft. to 6000 ft.	40 PSF	18”	½” or 5/8” w/tile over 60#TL
Breezy Pines, Groom Creek, Iron Springs, Ponderosa Park, Walker	6001 ft. to 6500 ft.	45 PSF	18”	5/8”
Copper Basin, Deering Park, Highland Pines, Mingus Mountain, High Valley Ranch, Crown King	Over 6501 ft.	50 PSF	18”	5/8”