

# Design criteria for Morgan County

- SNOW: Site specific depending on elevation. The chart below may be used to find the minimum loads at higher elevations.

$$\text{Ground Snow} = P_g - [P_o^2 + S^2 (A - A_o)^2]^{1/2}$$

P<sub>o</sub>=57

S=63

A<sub>o</sub> = 4.5

Normal or Common roof snow loads = ground snow (P<sub>g</sub>) x .7

Sheltered or Protected roof snow loads = ground snow (P<sub>g</sub>) x .9

A= Elevation x .001

Elevation	Location	Ground Snow	Sheltered Roof	Common roof
4800'	Mountain Green Exit	60	54	42
4900'	Lamb's subdivision	62	56	44
	Kent Smith Memorial Park			
	Heinz Quick Stop			
5000'	Trappers Loop/Old Highway intersection	65	59	46
5100'	Morgan County Fairgrounds	68	62	48
	Young Street/Morgan Valley Dr. Intersection			
5200'	Trappers Pointe Subdivision	72	65	50
	Mountain Green Airport			
	Enterprise-low areas			
	Stoddard lane			
	Peterson Exit			
	Richville Lane			
	Hardscrabble/Morgan Valley Dr. Intersection			
	Round Valley Golf Course			
	Taggarts Camp			
	Highway 66/Morgan Valley Drive Intersection			
	Cottonwoods Phse II - IV			
5300'	Top of Woodland Heights	76	68	53
	White's Crossing			
5400'	Croydon Park	80	72	56
5500'	Croydon Cemetary	85	76	59
	Holcim Cement Plant			
5700'	East Canyon Reservoir Spillway	95	85	66
5800'	East Canyon Resort	100	90	70
6000'	Lost Creek Reservoir Spillway	110	99	77
9300'	Top of Strawberry Bowl Ski Lift	308	277	215

## Design Criteria for Morgan County (continued)

- WIND
  - Speed: 90 MPH, 3-second wind gust.
  - Exposure: Site specific
- SEISMIC:
  - Seismic Design Category: Site specific.
- SOILS:
  - Frost depth: 36 inches minimum
  - Site class: Site specific
  - Geotechnical information: All commercial projects require site-specific geotechnical reports meeting the requirements of Section 1802.2.7 of the IBC. Many of the residential (and other) projects require site specific geotechnical reports. Information regarding possible geotechnical requirements should be asked for before designing any structures in Morgan County.
- MISCELLANEOUS:
  - All professionally designed plans must be wet signed, on the first page only, by the architect or engineer of record who drew them. All other sheets shall be stamped, signed, and dated but may be electronically reproduced.
  - Commercial remodels over 3,000 square feet must be designed by an architect, stamped, signed and dated.
  - All commercial additions, regardless of size, must be signed by an architect, stamped, signed and dated.
  - All commercial site plans must be engineered. Many residential (and other) site plans are required to be engineered and inquiries should be made prior to designing a structure about site plan requirements.