



City of Shasta Lake

DEVELOPMENT SERVICES DEPARTMENT

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**Building & Planning
Divisions**

CLIMATIC & GEOGRAPHIC DESIGN CRITERIA FOR CITY OF SHASTA LAKE, CA UNDER THE 2019 CRC & CBC

RESIDENTIAL DESIGN CRITERIA

Ground Snow Load	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed (mph)	Topographic effects	Special wind region	Windborne debris zone		Weathering	Frost line depth	Termite					
Case Study*	85	No	No	No	D ₁	Moderate	Grade	Moderate	32	No	SLMC Title 15 Chapter 15.04	1500	61.9
MANUAL J DESIGN CRITERIA													
Elevation		Latitude	Winter heating	Heating temperature difference		Indoor Design Temperature		Design temperature cooling		Summer cooling	Cooling temperature difference		Daily Range
800		40.69	31	39		70		75		102	27		H

*Per California Residential Code, Ground Snow Loads, Figure R301.2(6), case study is required to establish ground snow load psf. Per Shasta County GIS Map, Snow load layer, **roof snow load** for the City of Shasta Lake is 35psf, non-reducible.

City of Shasta Lake is in Climate Zone 11

Soil bearing value: 1500 psf

Class A Roofing material required

Wildland Urban Interface (WUI) and Very High Fire Hazard Severity Zones: see CRC chapter 337 and CBC chapter 7A

City of Shasta Lake website: www.cityofshastalake.org GIS page with interactive map.