

CLIMATE AND GEOGRAPHIC DESIGN CRITERIA - MODELED AFTER TABLE R301.2(1)										
CLIMATE ZONE 6B - (T) = THERMOPOLIS (W) = WORLAND										
Ground Snow Load (PSF) <sup>1</sup>	Wind Speed (MPH) <sup>2</sup>	Seismic Design Category	Subject to Damage from			Winter Design Temperature <sup>4</sup>	Ice Barrier Underlayment Required <sup>5</sup>	Flood Hazards	Air Freezing Index <sup>6</sup>	Mean Annual Temp <sup>7</sup>
			Weathering	Frost Line Depth <sup>3</sup>	Termite					
30*	118 (3 SEC) EXPOSURE C	SITE SPECIFIC ASCE 7-22 SEISMIC DESIGN METHOD	SEVERE	4'0"	N/A	-8° F	YES	SITE SPECIFIC	(T) 2500 (W) 3000	(T) 50°F (W) 45°F

1. \*2021 IBC Figure 1608.2 - Part of Hot Springs County is 15 PSF, while some areas are "Case Study". Refer to ASCE Hazard Tool for site-specific data.
2. 2021 IRC - Based on Risk Cat. III, 33 ft above ground. Refer to ASCE Hazard Tool for precise data.
3. Per historic local standard and observations.
4. 2021 IPC - Appendix D, Table D101. (Used historic design criteria value.)
5. 2021 IRC - Per R905.1.2.
6. 2021 IRC - Table R403.3(2)
7. Used U.S. Climate Data - October 2023 (www.usclimatedata.com)

NOTE: USE THE ASCE 7 HAZARD TOOL TO DETERMINE SITE-SPECIFIC DESIGN CRITERIA (<https://asce7hazardtool.online>)

RISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES	
RISK CATEGORY	NATURE OF OCCUPANCY
I	Buildings and other structures that represent a low hazard to human life in the event of failure, including but not limited to: <ul style="list-style-type: none"> <li>• Agricultural facilities.</li> <li>• Certain temporary facilities.</li> <li>• Minor storage facilities.</li> </ul>
II	Buildings and other structures except those listed in Risk Categories I, III, and IV.
III	Buildings and other structures that represent a substantial hazard to human life in the event of failure, including but not limited to: <ul style="list-style-type: none"> <li>• Buildings and other structures whose primary occupancy is public assembly with an occupant load greater than 300.</li> <li>• Buildings and other structures containing Group E occupancies with an occupant load greater than 250.</li> <li>• Buildings and other structures containing educational occupancies for students above the 12th grade with an occupant load greater than 500.</li> <li>• Group I-2 occupancies with an occupant load of 50 or more resident care recipients but not having surgery or emergency treatment facilities.</li> <li>• Group I-3 occupancies.</li> <li>• Any other occupancy with an occupant load greater than 5,000.<sup>a</sup></li> <li>• Power-generating stations, water treatment facilities for potable water, wastewater treatment facilities, and other public utility facilities are not included in Risk Category IV.</li> <li>• Buildings and other structures not included in Risk Category IV containing quantities of toxic or explosive materials that: Exceed maximum allowable quantities per control area as given in Table 307.1(1) or 307.1(2) or per outdoor control area in accordance with the <i>California Fire Code</i>; and</li> </ul> <p>Are sufficient to pose a threat to the public if released.<sup>b</sup></p>
IV	Buildings and other structures designated as essential facilities, including but not limited to: <ul style="list-style-type: none"> <li>• Group I-2 occupancies having surgery or emergency treatment facilities.</li> <li>• Fire, rescue, ambulance, and police stations and emergency vehicle garages.</li> <li>• Designated earthquake, hurricane, or other emergency shelters.</li> <li>• Designated emergency preparedness, communications, operations centers, and other facilities required for emergency response.</li> <li>• Power-generating stations and other public utility facilities are required as emergency backup facilities for Risk Category IV structures.</li> <li>• Buildings and other structures containing quantities of highly toxic materials that: Exceed maximum allowable quantities per control area as given in Table 307.1(2) or per outdoor control area in accordance with the <i>California Fire Code</i>; and</li> </ul> <p>Are sufficient to pose a threat to the public if released.<sup>b</sup></p> <ul style="list-style-type: none"> <li>• Aviation control towers, air traffic control centers, and emergency aircraft hangars.</li> <li>• Buildings and other structures have critical national defense functions.</li> <li>• Water storage facilities and pump structures are required to maintain water pressure for fire suppression.</li> </ul>