TABLE R301.2 CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD [a] (psf)	WIND DESIGN		SEISMIC DESIGN CATEGORY [d]	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX [f]	MEAN ANNUAL TEMP [g]
	Speed [b] (mph)	Topographic effects Special region Debris [c]		Weathering [e]	Frost line depth	Termite				
155	105	No	B	Severe	36”	Slight	Yes	n/a	3500	35°F

MANUAL J DESIGN CRITERIA[i]

Elevation	Latitude	Altitude correction factor [h]	Indoor winter design dry-bulb temperature	Outdoor winter design dry-bulb temperature [i1]
9,400’	38.9122 °N	Varies	68°F	-16°F
Daily range	**Coincident wet bulb [i2]**	**Indoor summer design relative humidity & Summer design gains**	**Indoor summer design dry-bulb temperature**	**Outdoor summer design dry-bulb temperature [i3]**
High	60°F	n/a	75°F	87°F

a. Ground snow load per 2016 SEAC Colorado Design Snow Loads, to be used calculations in ASCE 7-16.

b. In accordance with Figure R301.2(2). Value is nominal design 3-second gust wind speed in miles per hour (m/s) at 33 feet (10 m) above ground for Exposure C Category for Risk Category II Buildings. Value should be adjusted per ASCE 7-16 for different Risk Categories.

c. In accordance with Section R301.2.1.2.

d. Per ASCE 7-16 Hazard tool with Risk Category II and Site Soil Class C.

e. Weathering severity is per Figure R301.2(1). The grade of masonry units shall be determined from ASTM C34, ASTM C55, ASTM C62, ASTM C73, ASTM C90, ASTM C129, ASTM C145, ASTM C216 or ASTM C652.

f. Per the 100-year return period air freezing index (BF-days) from Figure R403.3(2) or from the 100-year (99 percent) value on the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)."

g. Per the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)."

h. This value varies depending on equipment type and system configuration. Per Equipment Manufacturer/Design Professional.

i. Design criteria for load calculations (ACCA Manual J or other method permitted by the jurisdiction.) Values are per the 2021 ASHRAE Handbook — Fundamentals. World Meteorological Organization station 724677, Gunnison Airport.
    i1. Reflects the 99.6% Heating dry bulb temperature.
    i2. Reflects the mean annual maximum Cooling wet bulb temperature.
    i3. Reflects the mean annual maximum Cooling dry bulb temperature.