CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

SNOW		
Ground Snow Load	**Roof Snow Load**	**Minimum Roof Live Load shall comply with IBC 1607.11**
(Pg) = 21 psf	(Pf) = 15 psf	

WIND	
Wind Speed (mph)	**Exposure**
110 mph, 3-second wind gust	Site specific Typically B or C

SEISMIC	
Seismic Design Category	Because ground motions tend to vary substatially throughout the city, the mapped spectral accelerations (Ss & S1) should be obtained by inputting the site-specific latitude and longitude values rather than the zip code of the site.
Site Specific. Typically **C** or **D**	

FLOOD

ð Date of jurisdiction's entry into the National Flood Insurance program
- 11/15/1984

ð Adoption of the first code or ordinance for management of flood hazard areas
- 6/14/1989

ð Currently effective:
- F.I.R.M. April 2, 2009
- F.B.F.M. April 2, 2009
- Flood hazard map adopted April 2, 2009

SOILS

ð All projects require a site-specific soils report meeting the requirements of IBC 1802

Frost Depth	Soil Sulfate Content	Table 4.3.1 of ACI 318-05 requires concrete in contact with "sever" concentrations of sulfate to meet the following durability requirements:
6 inches	Severe (unless stated otherwise in the project specific soils report).	ð Type V cement required ð 4,500 psi minimum concrete compressive strength ð 0.45 maximum water-cement ratio

ð ***All soils reports submitted for permit issuance must be dated no later than one year from the application date of the building permit. Outdated reports must be accompanied by a letter from a qualified geotechnical engineer stating that the report requirements are still valid, or stating what items may have changed. All building code references must be updated to the current code adopted by the State of Utah.***

ð If the soils report or the Utah Geologic Survey (UGS) Washington County Fault map show a known fault traversing the project site, a special hazard study must be performed in accordance with the UGS "Guidelines for Evaluating Surface-Fault-Rupture Hazards in Utah. A report of this study must be submitted to the city for review. To learn more please visit the UGS website at http://geology.utah.gov/

Addition IRC Criteria (Table 301.2(1))

			Design Temperatures		
			Winter	Summer	
Weathering	**Termite**	**Decay**	**Temperature**	**Dry Bulb 2.5%**	**Wet Bulb 2.5%**
Moderate	Moderate/Heavy	None	26 °F	102 °F	70 °F
Elevation 2,750' Washington County Climate Zone -- **3**					

I.S.O. Rating: 4

Santa Clara City uses the following design criteria when reviewing a project of development within the corporate limits of Santa Clara City.

Santa Clara City follows current adopted state codes for IBC and IRC.

Santa Clara City
Revised 10/2021