



Build Inside the Triangle®

CITY OF TRACY

Development Services Department

333 Civic Center Plaza
Tracy, CA 95376

Building Safety Division

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Climatic and Geographic Design Criteria

Ground Snow Load	Zero
Wind Design Using CRC	93 mph: Ultimate / 72 mph Nominal: Design Wind Speed (3-second gust)
Wind Design Using CBC	Per appropriate wind speed maps and based on risk category. One source of obtaining wind speeds in Tracy is https://hazards.atcouncil.org/
Wind Exposure	C
Topographical Effects	No
Special Wind Region	No
Windborne Debris Zone	No
Seismic Design Category Using CRC	D ₁ or D ₂ based on seismic ground motion values and table R301.2.2.1.1
Seismic Design Category Using CBC	D
Seismic Ground Motion Values	One source of obtaining seismic values is https://hazards.atcouncil.org/
Soil Type caution:	Most of Tracy exhibits expansive and corrosive soils (Ferrous underground piping shall be appropriately protected from corrosion). Liquefaction has been noted to occur. Generally, per soils reports or 1500 psf - requires AHJ approval
Climate Zone:	12
Subject to damage from:	
Weathering	Negligible
Frost Line Depth	0
Termite Damage	Very Heavy
Winter Design Temperature	36.6 Degrees F
Ice Barrier Underlayment Required	No
Flood Hazards	Refer to Flood Insurance Rate Maps, 2009, published by FEMA. Most of Tracy is in Zone X, outside the 0.1 % annual-chance floodplain. General area lying north of I-205 and small portions at the south edge of Tracy are in the 1% annual chance of 100-year floodplain, and in the 200-year floodplain published by the Department of Water Resources.
Air Freezing Index	3 Degrees F-Days at 100-year 99% probability
Mean Annual Temp	60.7 Degrees F
2% Average Dry Bulb High Temp	38.4 Degrees C, 101.2 Degrees F ambient temperature for correction factors of conductor ampacity calculations
Extreme Average Low Temp	-3.33 Degrees C, 26.0 Degrees F