2022 California Residential Code - Table R301.2
Climatic and Geographic Design Criteria for City of Tracy

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGOREY	SUBJECT TO DAMAGE FROM			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				
0	93	NO	NO	NO	D1-D2	Negligible	NA	Very Heavy	NO	See note below	3 Deg F-Day	60.7 Deg. F

MANUAL J DESIGN CRITERIA"						
Elevation	Altitude correction factor	Coincident wet bulb	Indoor winter design relative humidity	Indoor winter design dry-bulb temperature	Outdoor winter design dry-bulb temperature	Heating temperature difference
140	1.0	69	35%-45%	70	32	38
Latitude	Daily Range	Summer design grains	Indoor summer design relative humidity	Indoor summer design dry-bulb temperature	Outdoor summer design dry-bulb temperature	Cooling temperature difference
38	38	2	50%	75	94	19

Note: For 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.

MANUAL J DESIGN CRITERIA

Elevation = Based on ACCA Manual J – Table 1B (Tracy Carbona)

Altitude Correction Factor = Based on ACCA Manual J – Table 10A

Coincident Wet-bulb = Based on ACCA Manual J – Table 1B (Tracy Carbona)

Indoor Winter Design Relative Humidity = Based on ACCA Manual J – Section 27

Indoor Winter Design Dry-bulb Temperature = Based on ACCA Manual J – Section 18-2 (Default)

Outdoor Winter Design Dry-bulb Temperature = Based on ACCA Manual J – Table 1B (Tracy Carbona), 99% of hours (around the year) when outdoor dry-bulb temperature is warmer than 32 degrees

Heating Temperature Difference = Indoor Winter Design Dry-bulb Temperature – Outdoor Winter Design Dry-bulb Temperature

Latitude = Based on ACCA Manual J – Table 1B (Tracy Carbona)

Daily Range = Based on ACCA Manual J – Table 1B (Tracy Carbona)

Summer Design Grains = Based on ACCA Manual J – Table 1B (Tracy Carbona) with RH = 50%

Indoor Summer Design Relative Humidity = Based on ACCA Manual J – Section 18-2 (Default)

Indoor Summer Design Dry-bulb Temperature = Based on ACCA Manual J – Section 18-2 (Default)

Outdoor Summer Design Dry-bulb Temperature = Based on ACCA Manual J – Table 1B (Tracy Carbona), 1% of hours (around the year) when outdoor dry-bulb temperature is warmer than 94 degrees

Cooling Temperature Difference = Outdoor Summer Design Dry-bulb Temperature – Indoor Summer Design Dry-bulb Temperature