

**Town of Ithaca
County of Tompkins
2025 NYS Residential Code of New York State**

Table R301.2
Climate and Geographical Criteria

| Ground Snow Load | Wind Design | | | Seismic Design Category | Subject to Damage From | | | Ice Barrier Underlayment Required | Flood Zones | Air Freezing Index | Mean Annual Temp |
|--|----------------|------------------------|---------------------------|-------------------------------|------------------------|------------------------|---------|---|----------------|--------------------------|------------------------|
| | Speed (mph) | Topographic effects | Special wind region | | Weathering | Frost line depth | Termite | | | | |
| 40 LB / SQ FT (Note: Must add 2 psf for every 100 feet above 1,000 feet.) FIGURE R301.2(6) | 110 | No | No | A | Severe | 48" | No | Yes | Yes | 1367 | 46.1 |

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 |
|-----------|-------------------------------|------------------------|--|---|--|--------------------------------------|
| 1099 | 0.97 | 71 | 50% | 70 | 0 | 70 |
| Latitude | Daily range | Summer design gains | Indoor summer design relative humidity | Indoor summer design dry-bulb temperature | Outdoor summer design dry-bulb temperature | Cooling temperature difference |
| 42 | M | - | 50% | 75 | 85 | 10 |

FEMA Flood Insurance Rate Map is available at: <https://msc.fema.gov/portal/home>

NYSDEC Environmental Resource Mapper is available at <https://giservices.dec.ny.gov/gis/erm/>

Town of Ithaca Maps <https://townithacany.gov/town-county-maps/>

[Link to R301.2 foot notes](#)

The ASCE 7 Hazard Tool can be used, for design for the design criteria instead of the Climate and Geographical Criteria table, and can be found at the following link. <https://asce7hazardtool.online/>