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Building Code Editions, Design Loads, Etc.

The City of Brighton reviews and enforces the following codes:

Code	Year
International Building Code	2021
International Mechanical Code	2021
International Plumbing Code	2021
International Fire Code	2021
International Residential Code	2021
International Energy Conservation Code	2021
International Fuel Gas Code	2021
International Property Maintenance Code	2021
International Existing Building Code	2021
International Swimming Pool and Spa Code	2021
National Electrical Code	2023
Accessible and Usable Buildings and Facilities	ICC A117-17

Effective date of code revisions – 1/1/2023

Effective date of NEC adoption – 7-1/2023

See design calculations on the next page

Brighton Residential Code (2021 Edition)

Climatic and Geographic Design Criteria

GROUND SNOW LOAD 35PSF

WIND DESIGN

SPEED (MPH)	TOPOGRAPHIC EFFECTS	SPECIAL WIND REGION	WINDBORN DEBRIS ZONE
107	No	No	No

SEISMIC DESIGN CATEGORY B

SUBJECT TO DAMAGE FROM

WEATHERING	FROST LINE DEPTH	TERMITE
SEVERE	36 INCHES	SLIGHT TO MODERATE

ICE BARRIER REQUIRED NO

FLOOD HAZARD 1977-2007

AIR FREEZING INDEX 1500

MEAN ANNUAL TEMP 50.2

MANUAL J DESIGN CRITERIA

ELEVATION	ALTITUDE CORRECTION FACTOR	COINCIDENT WET-BULB	INDOOR WINTER DESIGN DRY-BULB TEMP	OUTDOOR WINTER DESIGN DRY-BULB TEMP	HEATING TEMP DIFFERENCE
4984	.82	60°F	70°F	1°F	69°F
LATITUDE	DAILY RANGE	INDOOR SUMMER DESIGN RELATIVE HUMIDITY	INDOOR SUMMER DESIGN DRY-BULB TEMPERATURE	OUTDOOR SUMMER DESIGN DRY-BULB TEMPERATURE	COOLING TEMPERATURE DIFFERENCE
39.9853 N	HIGH	50%	75°F	91°F	16°F