



# CITY OF MERIDEN

## BUILDING DEPARTMENT

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BUILDING OFFICIAL

### MODEL CODES IN EFFECT:

2022 Connecticut State Building Code (with amendments)  
2021 International Residential Code (with appendix E, F, G, H, K, O, P, Q, U)  
2021 International Building Code (with appendix C, H, I, P)  
2021 International Plumbing Code (with appendix B, C, D, E)  
2021 International Mechanical Code (with appendix A)  
2021 International Existing Building Code (with appendix A)  
2021 International Swimming Pool and Spa Code  
2021 International Energy Conservation Code  
2020 National Electric Code  
2017 ANSI A117.1  
NFPA 2, 31, 54, 58, 96, 1124

### RESIDENTIAL DESIGN CRITERIA:

Ground snow load: (Appendix U) 30 lbs psf  
Wind design speed: 120 mph Vult  
Windborne debris region: No  
Seismic design category: B  
Frost line depth: 42"  
Weathering: severe  
Termite: moderate to heavy  
Winter design temperature: 7°F  
Ice & water barrier required: Yes  
Flood hazard: determined locally  
Air freeze index: 1,500 or less  
Mean air temperature: 50°F  
Climate zone: 5A  
Surface roughness category: B  
Exposure category: B  
Hurricane-Prone Region: Yes

### COMMERCIAL STRUCTURAL DESIGN PARAMETERS:

Ground snow load: 30 lbs psf  
MCE Ground: Acceleration  
    Ss: 0.183    S1: 0.064  
Wind Design Speed:  
    Risk Category 1: 110 mph basic wind speed  
    Risk Category 2: 120 mph basic wind speed  
    Risk Category 3: 130 mph basic wind speed  
    Risk Category 4: 135 mph basic wind speed  
Windborne Debris Region: No  
Hurricane-Prone Region: Yes