



Clark County Community and Economic Development

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CURRENT CODES

8/21/19

RESIDENTIAL: 2019 Residential Code of Ohio (RCO) (Based upon the 2018 International Residential Code).

Referenced Standards: *including, but not limited to, the following;*

- 2018 IECC: *International Energy Conservation Code (IECC) or (RCO chapter 11).*
- 2018 IFGC: *International Fuel-Gas Code (IFGC).*
- 2017 NFPA 70: *aka National Electrical Code (NEC).*
- 2017 OPC: *Ohio Plumbing Code (OPC); enforced by the County Health Department.*
- 2016 ACCA: *Air Conditioning Contractors of America; Manual J Residential Load Calculation—Eighth Edition.*

Useful Information:

- Frost Depth: 32-inches.
- Snow Load: 20-psf (ground).
- Wind Load: 90-mph. (7/1/19: 115-mph V_{ult})

COMMERCIAL: 2017 Ohio Building Code (OBC) (Based on the 2015 International Building Code).

Referenced Standards: *including, but not limited to the following;*

- 2010 ASHRAE 90.1: *Energy Standard for Buildings except Low-Rise Residential Buildings.*
- 2009 ICC A117.1: *Accessible and Usable Buildings and Facilities.*
- 2012 IECC: *International Energy Conservation Code.*
- 2015 IFGC: *International Fuel-Gas Code.*
- 2016 NFPA 13: *Standard of the Installation of Sprinkler Systems.*
- 2017 NFPA 17A: *Standard for Wet-Chemical Fire-Suppression Systems.*
- 2017 NFPA 70: *National Electrical Code aka (NEC).*
- 2016 NFPA 72: *National Fire Alarm Code.*
- 2015 NFPA 99: *Health Care Facilities.*
- 2017 OMC: *Ohio Mechanical Code (Based on the 2015 IMC).*
- 2017 OPC: *Ohio Plumbing Code (Based on the 2015 IPC). enforced by the County Health Department.*
- 2017 OFC: *Ohio Fire Code (Based on the 2015 IFC).*

Useful Information:

- Frost Depth: 32-inches.
- Snow Load: 20-psf ground.
- Wind Loads: Section 1609; ASCE 7-10 is now based upon ultimate design wind speed values, similar to seismic loading.
Risk Category I: $V_{ult} = 105$ mph.
Risk Category II: $V_{ult} = 115$ mph.
Risk Category III & IV: $V_{ult} = 120$ mph.
- Seismic Loads: Spectral Response: $S_s = 0.166 / S_1 = 0.071$.