



2018 CRCA Tradeshow & Seminars
January 18-19, 2018

CRCA Roofing Industry Breakfast

presented by

Mark S. Graham

Vice President, Technical Services
National Roofing Contractors Association

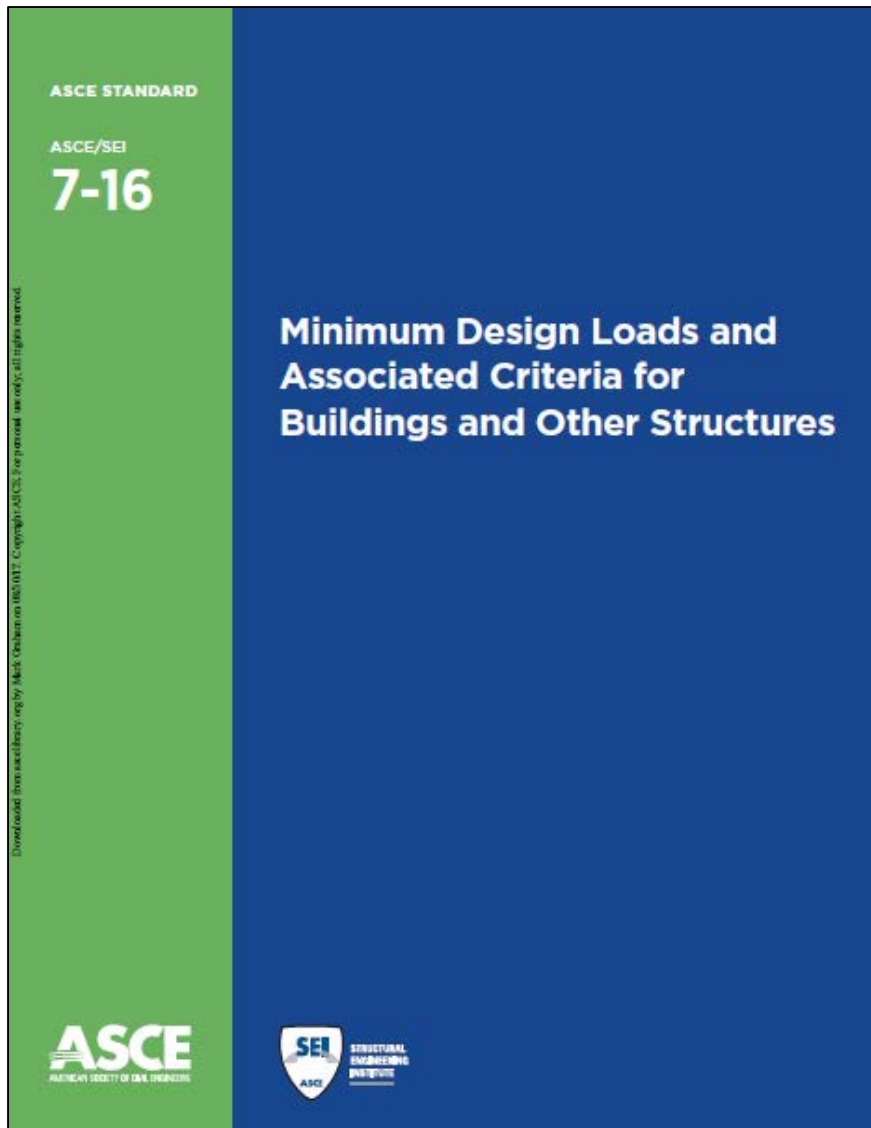


Code update

International Building Code, 2018 Edition (IBC 2018)



New design load determination method




ASCE 7-16

Referenced in IBC 2018

Updating www.RoofWindDesigner.com

ASCE 7-16 capability will be available in February 2018



roofwinddesigner.com

ASCE 7-05, ASCE 7-10 and ASCE 7-16

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Roof Wind Designer is intended to provide users with an easy-to-use means for determining roof systems' design wind loads for many commonly encountered building types that are subject to building code compliance.

Design-wind loads are derived using the American Society of Civil Engineers (ASCE) Standard ASCE 7, "Minimum Design Loads for Buildings and Other Structures." This standard is a widely recognized consensus standard and is referenced in and serves as the technical basis for wind load determination in the International Building Code and NFPA 5000: Building Construction and Safety Code. Roof Wind Designer allows users to choose between the 2005, 2010, and 2016 editions of ASCE 7. Roof Wind Designer uses Method 1—Simplified Method, 2005 edition, the Envelope Procedure, Part 2: Low-rise Buildings (Simplified) of Chapter 30, 2010 edition, the Envelope Procedure, Part 2: Low-rise Buildings (Simplified) of Chapter 30, 2016 edition, and Part 4: Buildings with $60\text{ft} < h \leq 160\text{ft}$ (Simplified). For a more detailed explanation of the three editions, please [click here](#).

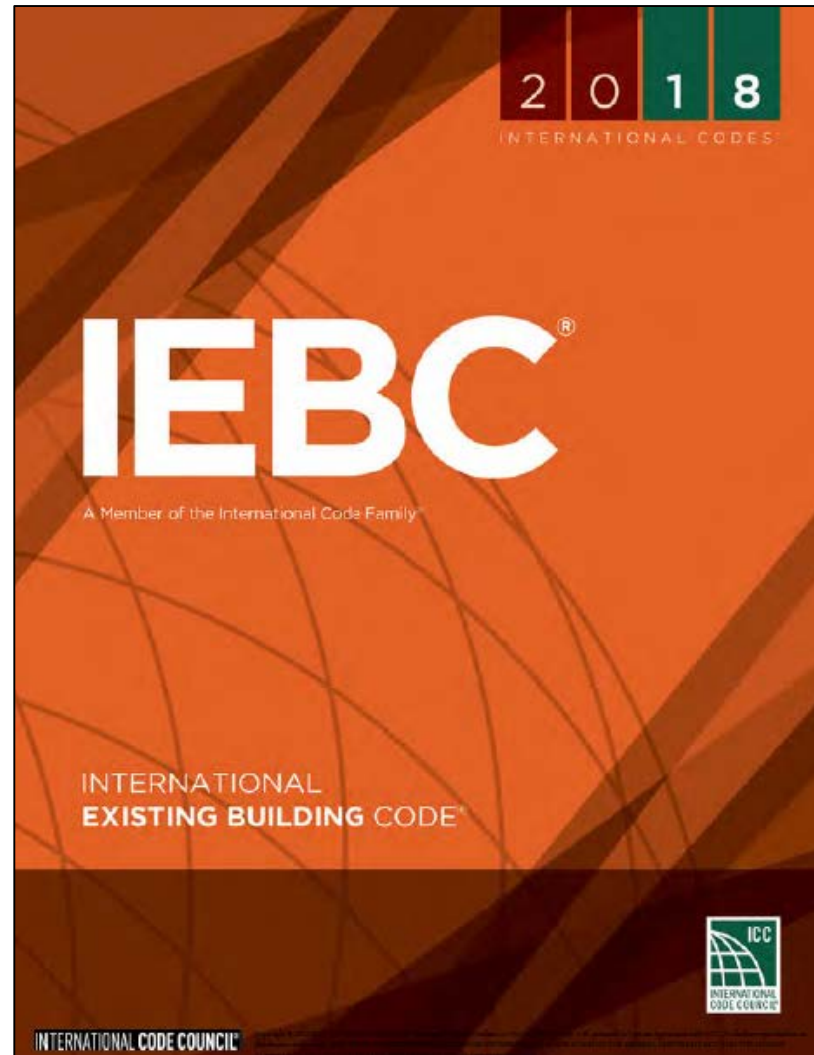
Also, Roof Wind Designer determines roof systems' minimum recommended design wind-resistance loads, which are derived from the building's design wind loads, taking into consideration a safety factor in reliance of ASTM D6630, "Standard Guide for Low Slope Insulated Roof Membrane Assembly Performance." Using these minimum recommended design wind-resistance loads, users can select appropriate wind resistance classified roof systems and edge-metal flashing systems.

Roof Wind Designer has been developed and is maintained by the National Roofing Contractors Association (NRCA), with the support of the Midwest Roofing Contractors Association (MRCA) and the North/East Roofing Contractors Association (NERCA). Currently, this application is available at no cost.

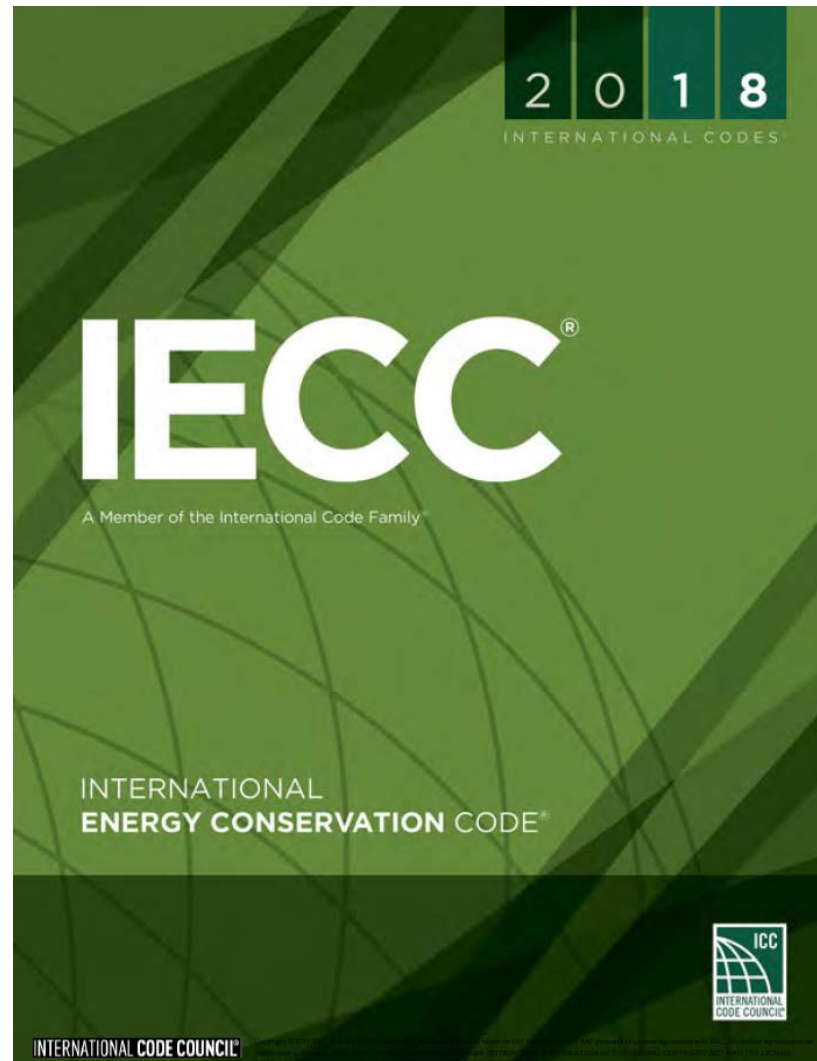
Questions regarding Roof Wind Designer can be directed to the [Contact Us](#) page.

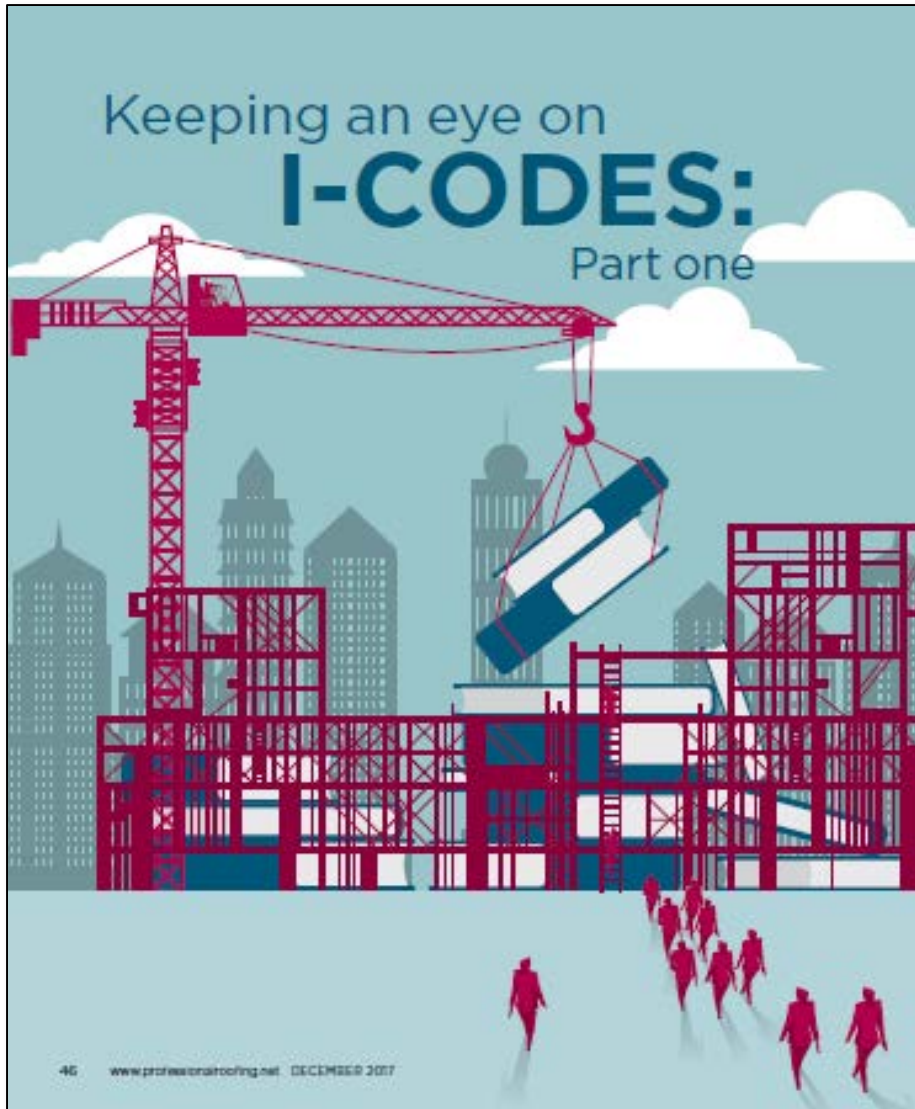
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International Existing Building Code, 2018 Edition (IEBC 2018)



International Energy Conservation Code, 2018 Edition (IECC 2018)





Professional Roofing

December 2017

[Link to access this article](#)

Illinois' adoptions

- The City of Chicago develops their own code
- Other municipalities adopt the IBC, etc. on their own schedules
 - Expect some 2018 I-code adoptions in 2018
- State of Illinois has traditionally adopted the IECC
 - CDB already considering IECC 2018 adoption
 - August 2018 adoption (Tentative)
 - March 1, 2019 effective date (Tentative)

“Roofing technical issues”

Friday, January 19, 2018

11:15 a.m. – 12:15 p.m.



NRCA

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