



Membership Meeting – September 2025

Delta Hotels Milwaukee Northwest

Menomonee Falls, Wisconsin

September 23, 2025

Wisconsin code update

presented by

Mark S. Graham

Vice President, Technical Services

National Roofing Contractors Association (NRCA)





Membership Meeting – Feb. 2021

February 18, 2021

Zoom meeting

Code changes – What's happening, when and how do they affect you

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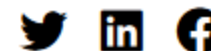


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*Wisconsin has updated its building and energy code...
impacting roofing contractors*



State of Wisconsin

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Commercial Buildings

The Division of Industry Services (DIS) reviews plans for public buildings and places of employment prior to construction for compliance with the state statutes and building codes and sets standards for energy efficiency and heating, ventilating, and air conditioning systems. This includes multifamily buildings.

DIS coordinates with local certified municipalities which provide plan review and inspection services for certain types of buildings. Inspection certifications are administered by Industry Services. Building materials are evaluated for conformance with standards. To become a local certified municipality, please visit the [Delegated Agents](#) page.

Questions regarding the commercial building code can be sent to DSPSSBbuildingtech@wisconsin.gov.

Updates to the WI Commercial Building Code

The Wisconsin Commercial Building Code will adopt the 2021 ICC as of September 1, 2025. DSPS is preparing Wisconsin Amendments to accompany the updated WI Commercial Building Code. See the [DSPS presentation](#) to learn more about the amendments.

STATE OF WISCONSIN
DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES

IN THE MATTER OF RULEMAKING	:	ORDER OF THE
PROCEEDINGS BEFORE THE	:	DEPARTMENT OF SAFETY AND
DEPARTMENT OF SAFETY AND	:	PROFESSIONAL SERVICES
PROFESSIONAL SERVICES	:	ADOPTING RULES
	:	(CLEARINGHOUSE RULE 23-007)

ORDER

An order of the Department of Safety and Professional services to **repeal** SPS 361.02 (4), 361.03 (15) (b), 361.31 (2) (b) 2. b., (2) (c), 362.0202 (2) (h), and (Note), 362.0504, 362.0506, 362.0603, 362.0705, 362.0713, 362.0902, 362.0903 (4) (a) 2., (b), (5) (cm), (7) (b), (12), (16) and (17), 362.0904 (3), 362.0915, 362.1004, 362.1010, 362.1013, 362.1029, 362.1206, 362.1210 (2m), 362.1506, 362.1507, 362.1607, 362.1613, 362.1700, 362.1807, 362.1808, 362.1908, 362.2503, 363.0401 (5), 363.0403 (5), (6), (8), (9), (10), and (11), 363.0406, 363.0407 (1) and (2), 363.0408, 363.0502, 363.0503 (1), (2), (3), and (4), 363.5402, 363.5502, 363.5503, 364.0300 (1) (Note), 364.0506 (2) (c), 364.0507 (2), 364.0802, 364.1500 (1m), (2m), and (Note), 366.0605, 366.0902 (2), 366.0903, 366.0904, 366.1204, and 366.1301 (2); to **renumber** SPS 362.0202 (1) (a), 362.0202 (2) (f), 362.0202 (2) (i), 362.1405, 362.3307, 366.0603, and 366.0909; to **renumber and amend** SPS 362.1101, 362.1107, 362.1111, 362.1203, 362.1204, 362.1503, 366.0400, 366.0600, 366.0606, 366.0609, 366.0804, 366.0809, 366.0810, 366.1010, 366.1011, 366.1012, 366.1205, and 366.1401; to **amend** SPS 305.627 (1), SPS 361.03 (12) (intro) and (12) (a), (13) (b), (14) (intro), (a), (b), (c), (d), and (Note), 361.03 (15) (g), 361.04 (12), (13), (13g), and (14), 361.05 (1), (2), (3), (4), and (5), 361.30 (1) (b) 1., 361.31 (2) (b) 1., (3) (a), (3) (a) (Note 1), 361.32 (1) and (2), 361.36 (1) (a), (b), (c), (d), (e), (f), and (g), 361 Subchapter V (title), 361.45, 361.46 (title), (1), (2) (intro) and (b) and (f) and (g) and (3), 361.47 (1) (a) and (b), (2) (title) and (a) and (b), (3) (a) 1. and 3., (b) 3., (5), (6) (a) and (c), (d) 1., (e) and (f), 361.48 (intro.), 361.485 (1) and (2), 361.51 (8) (b), 361.60 (5) (c) 3., 362.0308, 362.0310, 362.0412 (1) and (2), 362.0415 (1), 362.0423, 362.0903 (1), (2), (3), (4) (a) (intro.), and 1., (5) (a), (b) 1., (Note 1), (9), (10) (a), and (14), 362.0907 (3), (5) (a), and (b), 362.1006 (1) (intro.) and (b), 362.1015, 362.1020 (intro) and (2), 362.1603 (1) and (3), 362.1802, 362.1806, 362.1810 (8), 362.2211, 362.2510, 362.2902 (1) (a) 2., (d) and (e) and (2) (a), 362.3001 (1) and (2), 362.3002 (1) (a) 2. b., 362.3500 (3), 362.3600 (1), 363.0101, 363.0302, 363.0303 (1) (Note), (2) (a) 1., 2., 3., and 4., 363.0401 (1) (b), (2), and (3), 363.0403 (1), (2), (3) (intro.) and (b), (4), and (7) (intro.), 363.0600 (1), (2), (3), and (4), 363.5101, 363.5302, 363.5303 (1) (Note), (2) (a) 1., 2., 3., and 4., 363.5403 (2), 363.5405, 363.5600 (1), (2), (3), and (4), 364.0300 (1), 364.0309 (1) (table) footnote a., 364.0401 (2) (b), 364.0402 (table), 364.0403 (5) d. 1., 364.0501 (3) (intro.) and (6), 364.0505, 364.0606 (1) and (2), 364.0701, 364.1500 (3), 365.0800, 365.0900, 366.0101 (4) (b) and (c), 366.0701, 366.0702 (1) and (2), 366.0902 (1), 366.1201 (1) and (2), and 366.1301 (3) and (4); to **repeal and recreate** 361.31 (1)

Noteworthy revisions

- IBC 2015 to IBC 2021 with “Wisconsin-isms”:
Notable Wisconsin-isms:
 - Automated sprinkler systems
 - Smoke and fire dampers
 - Ch. 17 exception removed
- IECC 2015 (IECC 2009 tables) to IECC 2021

Roofing-related “Wisconsin-isms”

SPS 362.1502 Secondary ~~Roof~~ roof drainage. These are department rules in addition to IBC ~~section 1503.4~~ s. 1502: Design and installation of roof drainage systems shall comply with IBC ~~section 1503~~ s. 1502 and all applicable provisions in ch. SPS 382.

SECTION 96. SPS 362.1506 is repealed.

SECTION 97. SPS 362.1507 is repealed.

The I-codes are available online... and they're free

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Year



20 titles



2021 International Building Code (IBC)



2021 International Residential Code (IRC)



2021 International Fire Code (IFC)



2021 International Plumbing Code (IPC)



2021 International Mechanical Code (IMC)



2021 International Fuel Gas Code (IFGC)



2021 International Existing Building Code (IEBC)



2021 International Energy Conservation Code (IECC)



2021 International Property Maintenance Code (IPMC)



2021 ICC Performance Code for Buildings and Facilities (ICCPC)



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9 titles



2018 Wisconsin Uniform Plumbing Code



2015 International Property Maintenance Code (IPMC)



2015 International Mechanical Code - Cover Update (IMC)



2015 International Energy Conservation Code (IECC)



2015 International Existing Building Code (IEBC)



2015 International Building Code (IBC)



2015 International Fuel Gas Code (IFGC)



2015 International Fire Code (IFC)



2009 International Building Code (IBC)



Info

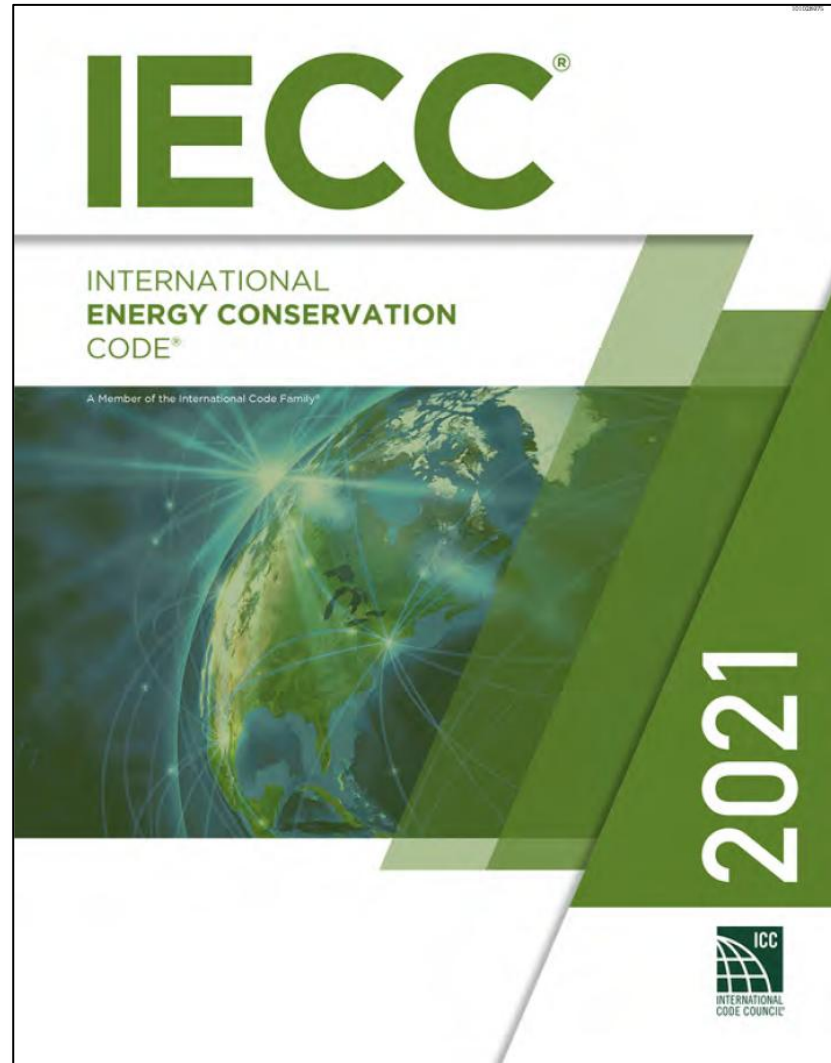
Useful Links



Wisconsin

The Wisconsin Department of Safety and Professional Services (DSPS), is responsible for the adoption of Wisconsin's building, fire safety and energy efficiency codes. Amendments to adopted ICC codes include: Buildings And Structures Heating, Vengting And Air Conditioning Fuel Gas Appliances Energy Conservation Energy Conservation (IECC Amendments) Existing Buildings

2021 IECC



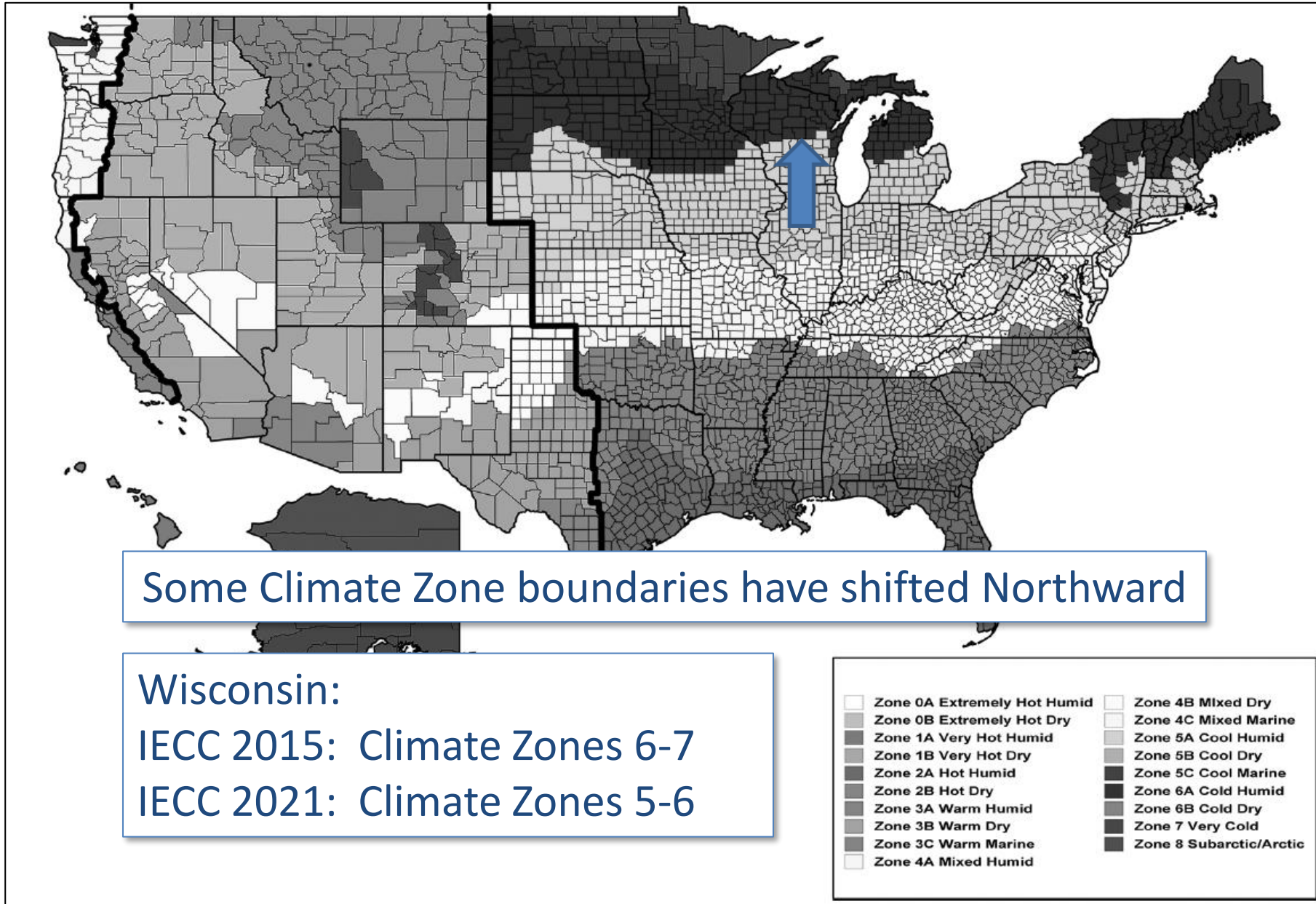
Broad-scope change:

- Revised Climate Zone map

Roofing-related changes:

- Reformatted roofing provisions
- Rewrote the U-factor approach to also apply to roof assemblies
- Revised tapered insulation criteria:
 - Average R-value method
- Clarified language on roof re-covers

2021 IECC – Climate zone map



R-value increase

IECC 2009:

- Insulation entirely above deck: Climate Zone 6: R-20
Climate Zone 7: R-25
- Metal buildings: R-13 + R-19
- Attics and other: R-38

IECC 2021:

- Insulation entirely above deck: R-30
- Metal buildings: Climate Zone 5: R-19 + R-11
Climate Zone 6: R-25 + R-11
- Attics and other: R-49

2021 IECC – Tapered insulation

*

C402.2.1.1 Tapered, above-deck insulation based on thickness. Where used as a component of a roof/ceiling assembly *R*-value calculation, the sloped roof insulation *R*-value contribution to that calculation shall use the average thickness in inches (mm) along with the material *R*-value-per-inch (per-mm) solely for *R*-value compliance as prescribed in Section 402.1.3.

“...average thickness...”

C402.2.1.2 Minimum thickness, lowest point. The minimum thickness of above-deck roof insulation at its lowest point, gutter edge, roof drain or scupper, shall be not less than 1 inch (25 mm).

“...not less than 1 inch...”

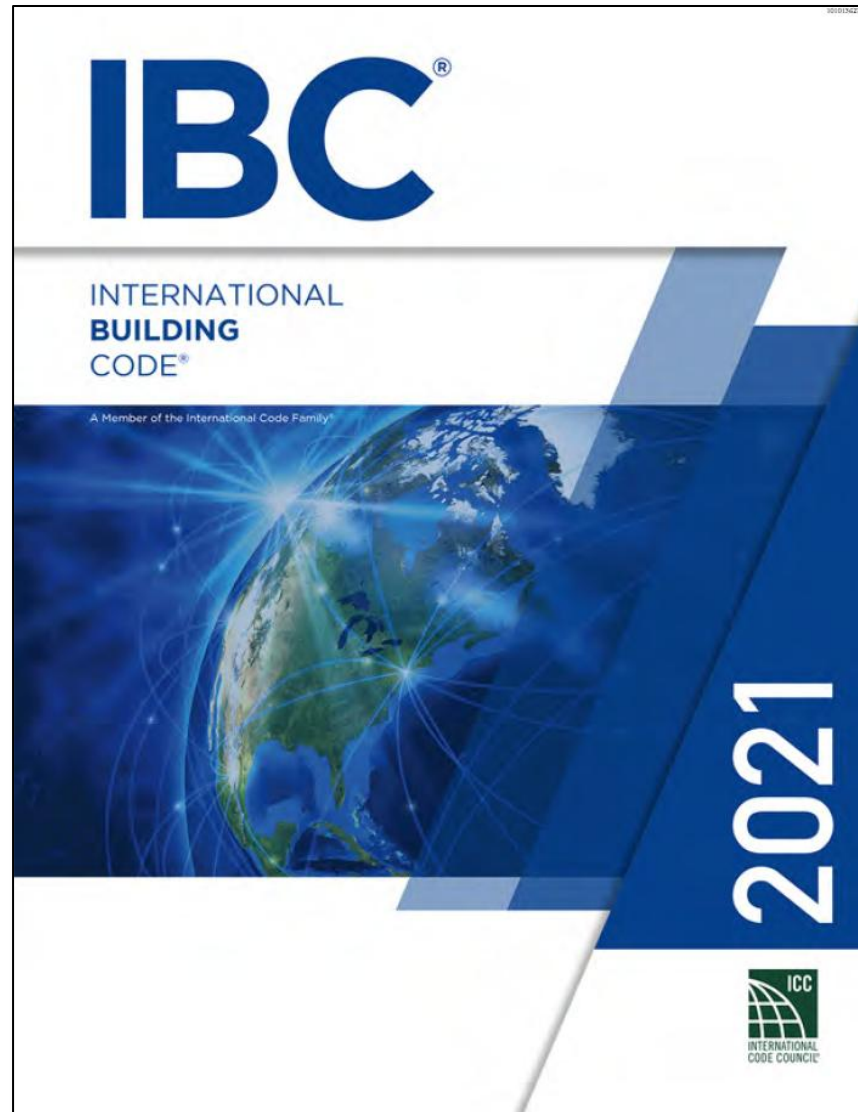
C402.2.1.3 Suspended ceilings. Insulation installed on suspended ceilings having removable ceiling tiles shall not be considered part of the minimum thermal resistance (*R*-value) of roof insulation in roof/ceiling construction.

C402.2.1.4 Joints staggered. Continuous insulation board shall be installed in not less than two layers and the edge joints between each layer of insulation shall be staggered, except where insulation tapers to the roof deck at a gutter edge, roof drain or scupper.

IECC 2021

Air barrier requirements and roof reflectivity requirements
(none) are largely the same.

2021 IBC



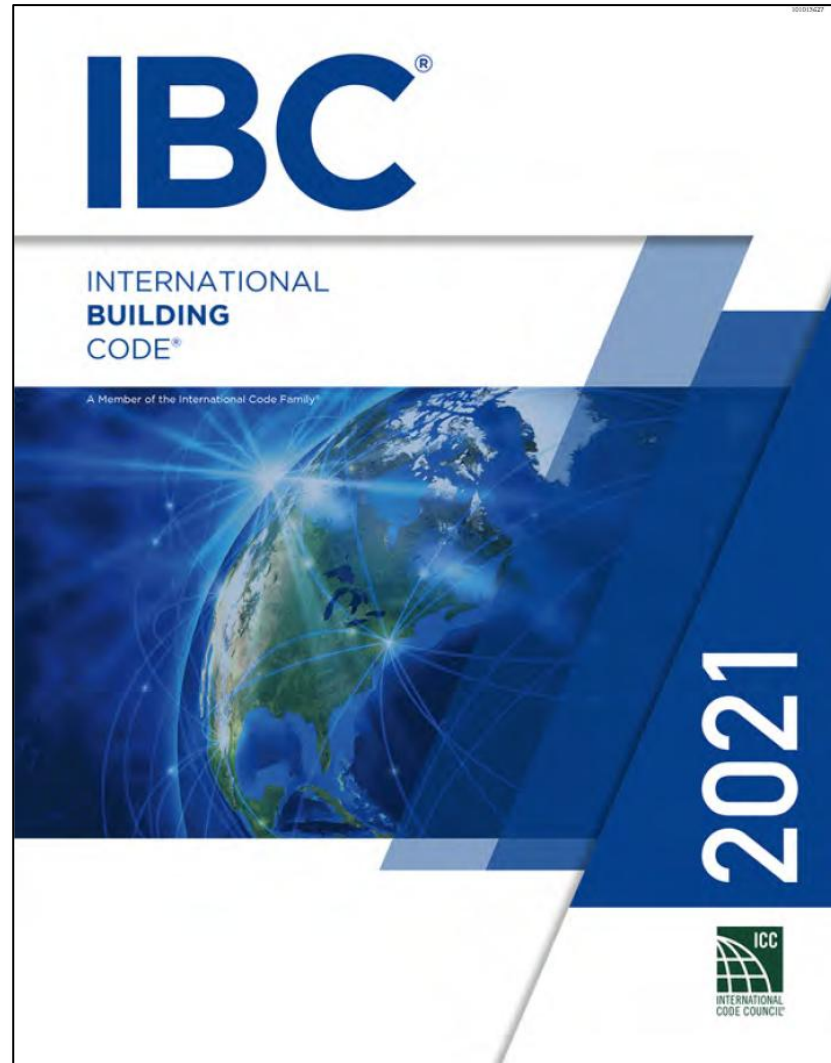
2018 IBC



Roofing-related changes:

- Use of ASCE 7-16 and V_{ULT}
- Metal shingle wind testing
- Reformatted underlayment requirements
- Rooftop PV requirements
- Protective roof coating clarification in reroofing

2021 IBC



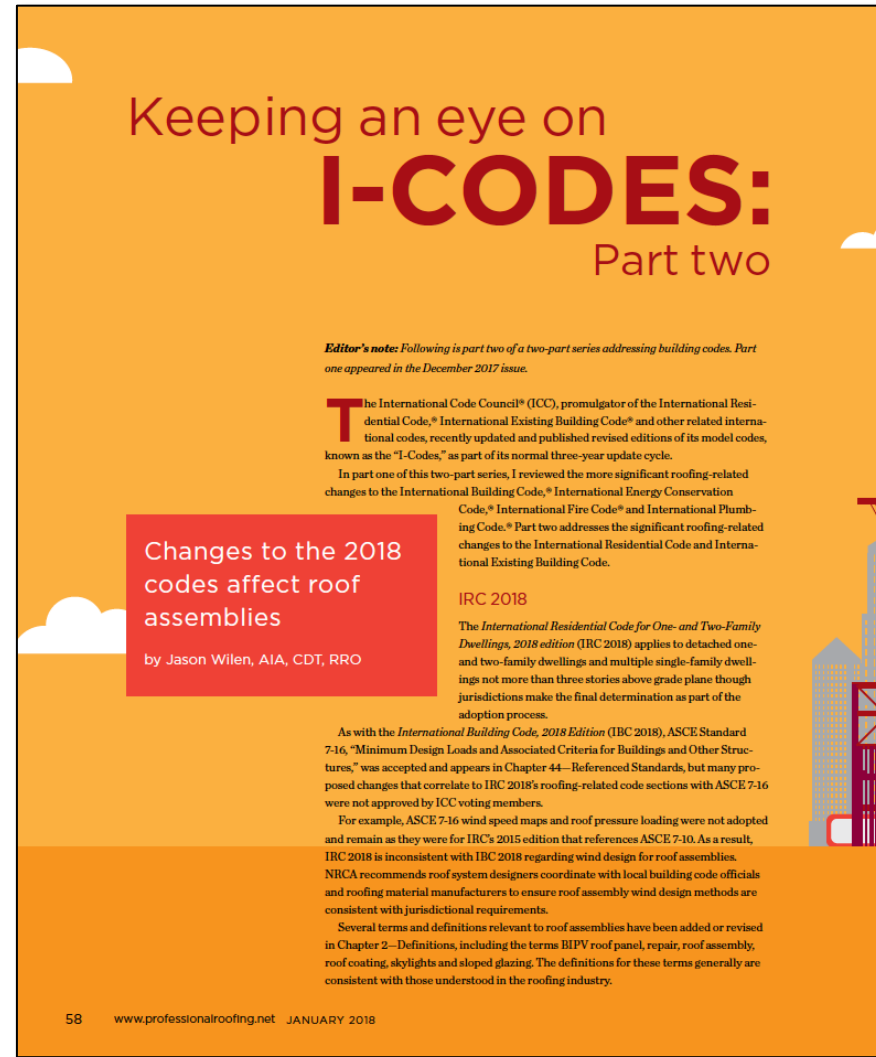
Roofing-related changes:

- Reformatted single ply section
- Reformatted and new liquid-applied membrane requirements
- Reformatted and new roof coating requirements
- New aggregate-surfacing requirements
- New gutter testing requirement (ANSI/SPRI GT-1)
- Roof zones required in Construction Documents



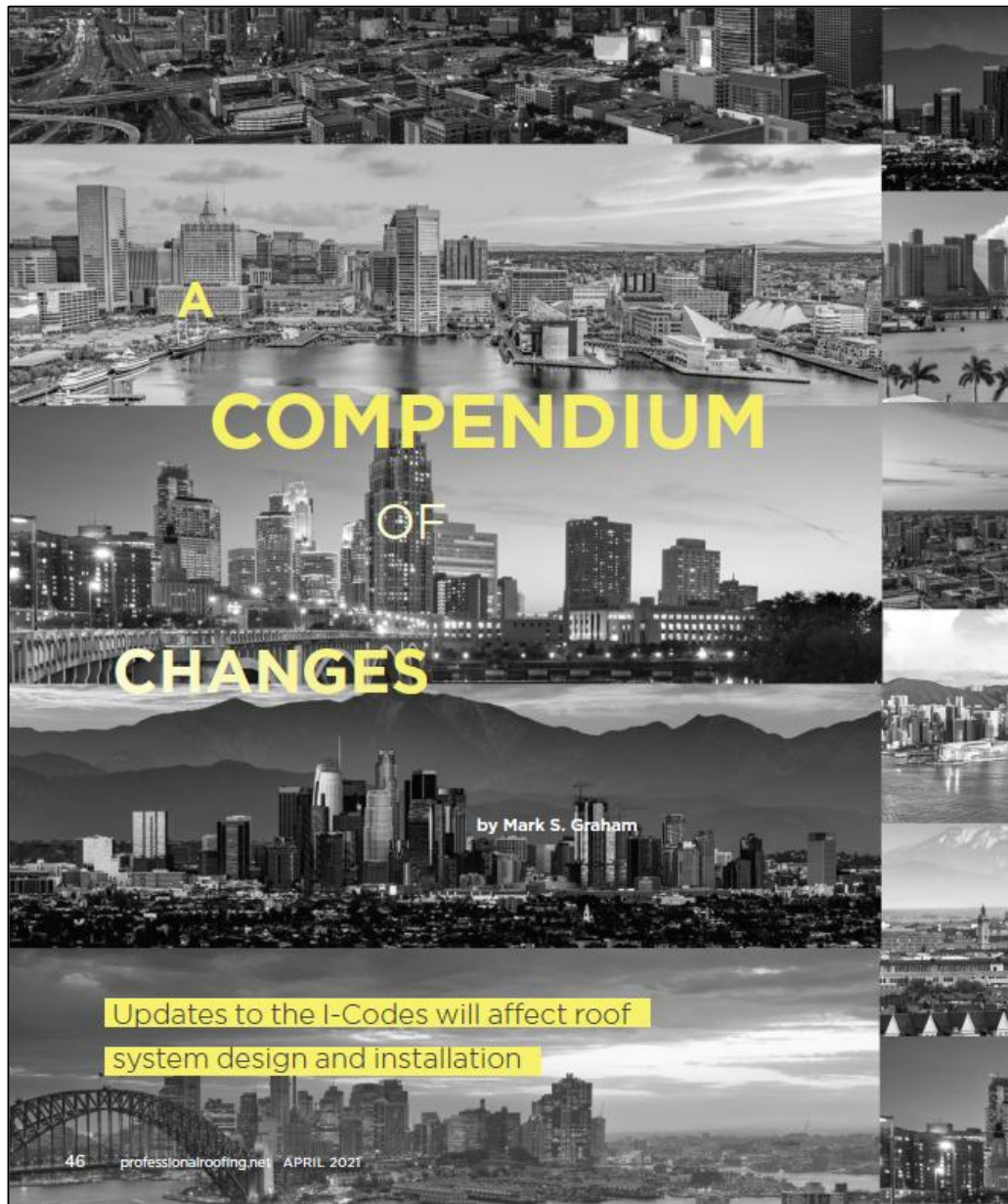
Professional Roofing, December 2017

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Professional Roofing, January 2018

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Professional Roofing

April 2021



Professional Roofing

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Submitted questions...

When leaving the existing insulation or replacing it in kind, what does the code say about that?

Submitted questions...

The Department of Safety & Professional Services has revised the initial applicability to be all projects submitted after NOVEMBER 1. It was October 1.

- *How does it impact current projects-or projects soon to start?*

Submitted questions...

If building is insulated below, what's the requirement for above deck?

Submitted questions...

What do we do if the heights around the existing roof doesn't allow for the required R-value?

Submitted questions...

What is the R-value requirement for our area now (Milwaukee)?

Questions... and other topics

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Members: \$1,255; each additional registrant from the same company: \$1,055

Nonmembers: \$1,575; each additional registrant from the same company:
\$1,375

Guests: \$205 (another individual who will not attend the conference)

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Low-Slope Roofing Systems

Low-slope roofing systems require careful planning, material selection, and detailing to ensure long-term performance and weather resistance. This course covers everything from wind design and insulation to membrane systems, coatings, and moisture control. Participants will gain hands-on insights into roofing codes, warranties, and maintenance strategies to avoid common failures and extend roof life.

Learning Outcomes:

- Identify and apply best practices for designing and installing bituminous, single-ply, and liquid-applied membrane systems.
- Understand insulation types, moisture control strategies, and code requirements for low-slope roofing.
- Evaluate roofing details, warranty provisions, and maintenance programs to ensure long-term system performance.

Who Should Attend:

- Contractors, architects, and materials specifiers involved in roofing design and construction.
- Commissioning authorities, product manufacturers, and owner's representatives overseeing roofing projects.
- Anyone responsible for the maintenance, repair, or re-roofing of low-slope roofing systems.

Select from 2 upcoming dates:

Date	Format	ID	Fee	
 Dec 2-3, 2025	 Face-to-Face Madison, WI	D572	\$1,095 	ENROLL NOW
 Dec 1-2, 2026	 Face-to-Face Madison, WI	D755	\$1,095 	ENROLL NOW

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