IADMIN

2025 GROUP B PROPOSED CHANGES TO THE I-CODES

April 27 – May 6, 2025
Doubletree by Hilton
Universal Orlando - Orlando, FL

ICC
INTERNATIONAL CODE COUNCIL®

First Printing

Publication Date: March 2025

PRINTED IN THE U.S.A.

2025 GROUP B – PROPOSED CHANGES TO THE ADMINISTRATIVE PROVISIONS CODE

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TENTATIVE ORDER OF DISCUSSION
2025 PROPOSED CHANGES TO THE ADMINISTRATIVE PROVISIONS

The following is the tentative order in which the proposed changes to the code will be discussed at the public hearings. Proposed changes which impact the same subject have been grouped to permit consideration in consecutive changes.

Proposed change numbers that are indented are those which are being heard out of numerical order. Indentation does not necessarily indicate that one change is related to another. Proposed changes may be grouped for purposes of discussion at the hearing at the discretion of the chair. Note that some ADM code change proposals may not be included on this list, as they are being heard by another committee.

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ADM1-25 Part I

IEBC: [A] 101.2

Proponents: David Bonowitz, representing David Bonowitz, S.E. (dbonowitz@att.net); Kelly Cobeen, Wiss Janney Elstner Associates, representing Self (kcobeen@wje.com); Peter Somers, Magnusson Klemencic Associates, representing self (psomers@mka.com); Julie Furr, Smith Seckman Reid, Inc, representing Julie Furr, PE (jcfurr@ssr-inc.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Existing Building Code

Revise as follows:

[A] 101.2 Scope. The provisions of this code shall apply to the *repair*, *alteration*, *change of occupancy*, *addition* to and relocation of *existing buildings*.

Exception: ~~Detached one- and two-family dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress, and their accessory structures not more than three stories above grade plane in height,~~ Buildings within the scope of *International Residential Code* Section R101.2 shall comply with this code or the *International Residential Code.*

ADM1-25 Part II

IRC: R101.2

Proponents: David Bonowitz, representing David Bonowitz, S.E. (dbonowitz@att.net); Kelly Cobeen, Wiss Janney Elstner Associates, representing Self (kcobeen@wje.com); Peter Somers, Magnusson Klemencic Associates, representing self (psomers@mka.com); Julie Furr, Smith Seckman Reid, Inc, representing Julie Furr, PE (jcfurr@ssr-inc.com)

2024 International Residential Code

Revise as follows:

R101.2 Scope. The provisions of this code shall apply to the construction, *alteration*, movement, relocation, enlargement, addition to, replacement, *repair*, equipment, use and occupancy, location, removal and demolition of detached one- and two-family *dwellings* and *townhouses* not more than three *stories above grade plane* in height with a separate means of egress and their *accessory structures* not more than three *stories above grade plane* in height.

Exception: The following shall be permitted to be constructed in accordance with this code where provided with an automatic sprinkler system complying with Section P2904, and shall be permitted for the repair, alteration, changes of occupancy, addition to and relocation of the following:

1. Live/work units located in *townhouses* and complying with the requirements of Section 508.5 of the *International Building Code*.
2. *Owner*-occupied *lodging houses* with five or fewer *guestrooms*.
3. A care facility with five or fewer *persons* receiving custodial care within a *dwelling unit*.
4. A care facility with five or fewer persons receiving medical care within a *dwelling unit*.
5. A day care facility for five or fewer *persons* of any age receiving care within a *dwelling unit* .

Reason: This proposal clarifies and confirms the common understanding and application of this IEBC Exception, which is to allow buildings within the scope of the IRC to use the IRC for existing building projects. The proposal makes no substantive changes. Rather, it resolves an inconsistency in the scope wording between the IEBC and the IRC.

The question: The current IEBC exception addresses only the dwellings, townhouses, and accessory buildings covered by IRC Section R101.2. It does not address the five types of buildings listed in the exception to R101.2: certain live/work units, lodging houses, and three types of care facilities. Assuming they meet the size, use, and other limits of R101.2, as currently worded, are these five building types eligible to use the IRC?

The answer: We posed this question to ICC staff in August 2024. On September 14, 2024, we received an opinion from Christopher Reeves of ICC, stating, in relevant part, “[T]he IRC ... may be used for additions, alterations and repairs to all existing buildings, including the five listed occupancy conditions [unless they] result in a use, occupancy, height or means of egress outside the scope of the IRC.”

This proposal implements this ICC response, which is consistent with how we understand the exception as typically applied, and with the general expectation when the exception was added to the IEBC for the 2018 edition with proposal ADM31-16 (approved as submitted).

When the IEBC exception was added in 2016, IRC R101.2 did not list the five types the way it does today. IRC R101.2 was revised and expanded with proposals to the 2018 IRC to include these five types. As such, the original ADM31-16 could not have addressed three of the five types if it wanted to – either to explicitly include or exclude them – because they did not yet exist. In general, however, the reason statement for ADM31-16 implies that this IEBC exception should address any and all buildings within the scope of the IRC, to “keep intact the status of the IRC as a stand-alone code” and to avoid “provisions for IRC-regulated structures ... in another I-code.” In other words, ADM31-16 argued, if you can build it new with the IRC, you should be able to regulate it as an existing building with the IRC.

What about similar wording in other I-codes? The IEBC exception also occurs verbatim in other I-codes, such as the IMC, IPC, and IFGC. (It does not appear, however, in other I-codes, such as the IPMC, IWUIC, and IFC.) Where the same exception does exist, should the wording of those other codes also be revised? Perhaps yes, if the users of those codes want to clarify that the IRC is an allowed alternative for the five types listed in IRC R101.2. But the clarification proposed here is probably less important for other codes that are primarily for new construction. A code primarily for new construction, such as the IMC, IPC, or IFGC, already works hand in glove with the

IBC, which has its own pointers to the IRC in Chapter 3 (for example, see IBC Sections 308.5, 310.4.1, or 310.4.2). Thus, users of the IMC, IPC, IFGC, etc. already have a path to get to the IRC for the five types listed in IRC R101.2.

By contrast, the IEBC, similar to the IPMC, applies exclusively to existing buildings. To require users to detour through the IBC just to find a vague rationalization for using the IRC is practically a guarantee of inconsistent use. Therefore, this proposal has value even if it means using wording that differs from similar exceptions in other I-codes.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

First, the proposal merely clarifies what we believe is the current common understanding of the exception to IEBC 101.2, consistent with the intent of the 2016 proposal that created it. Second, the exception merely provides an option to the user. Since there is no new requirement, there is no cost impact.

Staff Analysis: EB53-25 contains related proposed revisions to other IEBC sections that will be heard by the IBC-S committee. Similar exceptions are included in IBC Section 101.2, IFC Section 1001.1, IPC Section 101.2, IMC Section 101.2, and IFGC Section 101.2.

ADM1-25 Part II

ADM2-25

IBC: [A] 101.2

Proponents: John Grenier, National Council of Structural Engineers' Associations (NCSEA), representing NCSEA (jgrenier@grenierenc.com)

2024 International Building Code

Revise as follows:

[A] 101.2 Scope. The provisions of this code shall apply to the construction, *alteration*, relocation, enlargement, replacement, *repair*, equipment, use and occupancy, location, maintenance, removal and demolition of every *building* or *structure* or any appurtenances connected or attached to such *buildings* or *structures*. Walls, fences, and retaining walls located on the same site as a building but not located within the *public way*, shall be considered structures and are governed by this code.

Exception: Detached one- and two-family *dwellings* and *townhouses* not more than three *stories above grade plane* in height with a separate *means of egress*, and their accessory *structures* not more than three *stories above grade plane* in height, shall comply with this code or the *International Residential Code* .

Reason: 1. At the Committee Action Hearings in 2022 for Code Change Proposal S157-22 (Adding the requirement for Guards at Retaining Walls), the Committee Reason Statement was as follows: “Approved as modified as this proposal is an important update from a safety aspect. The committee expressed concerns relative to this being a 'site' item vs. a building component. The modification provides needed restructure, clarification and alignment with current code language. (Vote: 11-2)”. This highlights some confusion within the Engineering Community on what the Code governs and what it does not (with the emphasized “Site Items” being brought up by the Committee and considered or thought as not governed by the IBC).

2. The 2021 IBC Commentary states, “While such activity may not be as significant as a new building, a fence is considered a structure and, therefore, its erection is within the scope of the code”. This clarifies the issue, but having the text in the code will eliminate any confusion or disputes.

3. If the IBC does not govern walls, fences and retaining walls, then what code would? Work within the Public Right of Way would be governed by AASHTO or other locally adopted Codes, but the work on specific sites do not typically fall under those requirements.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The cost of construction will not increase by this change.

ADM3-25 Part I

IBC: [A] 101.3

Proponents: David Eisenberg, representing The Development Center for Appropriate Technology (strawnet@gmail.com); Martin Hammer, representing Martin Hammer - Architect (mfhammer@pacbell.net); Anthony Dente, representing Verdant Structural Engineers (anthony@verdantstructural.com); David Arkin, AIA, representing Arkin Tilt Architects (david@arkintilt.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 101.3 Purpose. The purpose of this code is to establish the minimum requirements to provide a reasonable level of safety, health and general welfare through structural strength, *means of egress*, stability, sanitation, light and *ventilation*, energy conservation, and for providing a reasonable level of life safety and property protection from the hazards of fire, *explosion* or *dangerous* conditions, and from other hazards attributable to the built environment, and to provide a reasonable level of safety to fire fighters and emergency responders during emergency operations.

Attached Files

- **BuildingStandards_JanFeb2000DE-BobFowler.pdf**
  https://www.cdpaccess.com/proposal/11691/35967/files/download/9801/
- **BSJ_BldgCodesforaSmallPlanet_all.pdf**
  https://www.cdpaccess.com/proposal/11691/35967/files/download/9798/

Reason: From the 2000 IBC to the 2018 IBC (and similarly from the 2003 IRC to the 2018 IRC), the Intent section of the code included the phrase "and other hazards attributed to the built environment". That phrase is foundational to the understanding that, in plain English, the built environment creates hazards that extend beyond those impacting the occupants of buildings, beyond the scale of individual buildings, and beyond the specific regulatory categories listed in the purpose statement. This proposal reestablishes that phrase as well as replacing the word “attributed” with “attributable” because it implies not only hazards known from past experience, but those emerging in the present and into the future. (See links to attachments at the end of this Reason statement providing fuller background and context.)

There was considerably greater clarity in the IRC's original Purpose section:

From the 2000 IBC:
101.3 Intent. The purpose of this code is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, means of egress facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment.

From the 2024 IBC:

[A] 101.3 Purpose.

The purpose of this code is to establish the minimum requirements to provide a reasonable level of safety, health and general welfare through structural strength, *means of egress*, stability, sanitation, light and *ventilation*, energy conservation, and for providing a reasonable level of life safety and property protection from the hazards of fire, *explosion* or *dangerous* conditions, and to provide a reasonable level of safety to fire fighters and emergency responders during emergency operations.

The importance of that deleted phrase lies in its acknowledgement that the built environment creates many hazards, and some not obvious. Though not stated explicitly, hazards attributable to the built environment are not limited to those directly impacting the occupants of a specific building or structure, but can come in other forms and occur in other places or timeframes.

The IBC and IRC requirements do an excellent job protecting building occupants from the categories of hazards specifically included in the codes, while failing to recognize or address many other hazards which can be partly or entirely traced to the built environment. These include hazards related to the lifecycle impacts of building materials, their potential toxicity and much more. The complexity of addressing

the upstream and downstream impacts of buildings, and the built environment more broadly, while challenging, does not eliminate the responsibility of trying to understand and minimize the hazards created, and to balance the risks they represent at different levels and scales, from individual products, materials and systems to the aggregated and cumulative impacts they create.

What is missing overall in the codes and in code development is a formal process aimed at recognizing and balancing risks and hazards across the full spectrum of potential harm created by the built environment. If we don't acknowledge the existence of these other hazards, it becomes extremely difficult to introduce alternatives that may produce equivalent levels of safety and performance for buildings and their occupants while also addressing these other hazards.

We recognize that this view creates discomfort for many, and that the lack of a definitive line of regulatory authority and responsibility creates problems that are difficult to resolve. On the other hand, what of the blurring of definitive lines with the acceptance of the words "reasonable levels of health, safety and general welfare" into the purpose statements - clearly permissive language not allowed anywhere else in the codes. In fact, it is an illusion that there was ever a definitive line for which hazards should and should not be addressed in the codes.

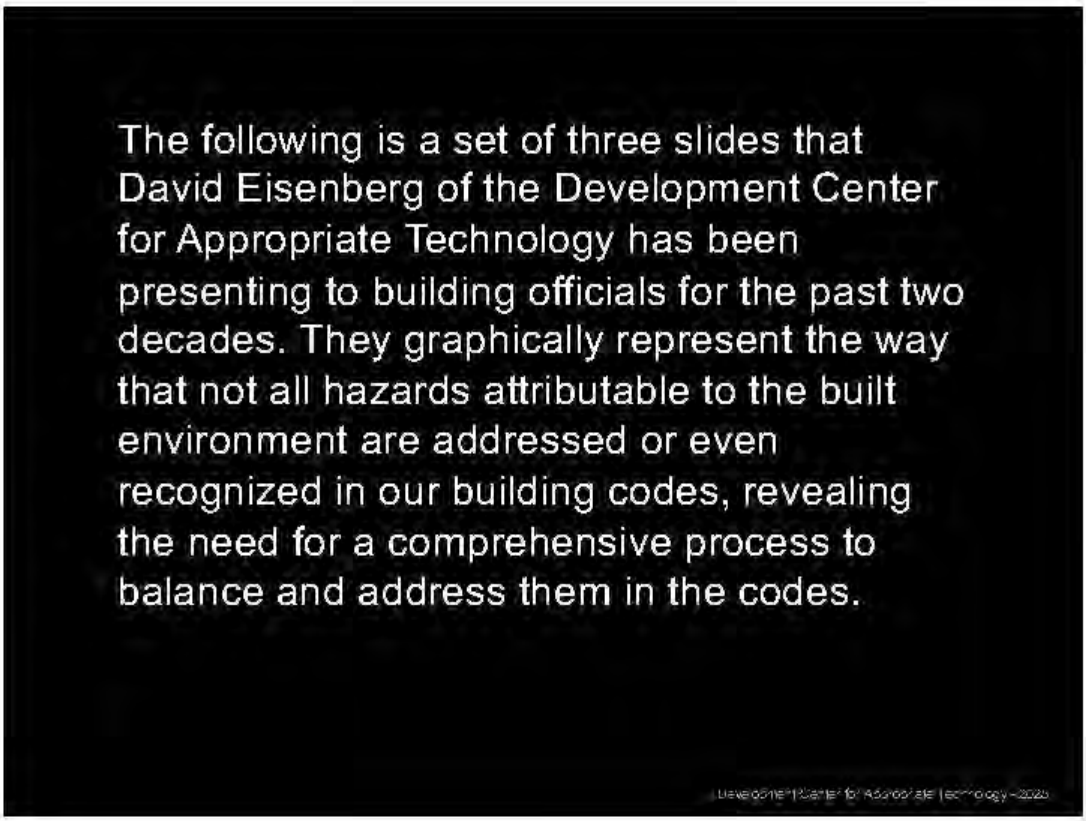
The codes have continuously responded to emergent and previously unknown or unrecognized hazards and their impacts. That is why lead and asbestos are no longer allowed in building materials, and why we require insulation and have energy conservation requirements, and why we now have a wildland-urban interface code, and of course, why we have three-year code development cycles and appendices to the codes. Among these changing realities is that the climate is changing. Extreme weather events that were once rare are now common occurrences, and we need to be considering both how a changing climate impacts buildings and how the cumulative impacts of the built environment impact the climate.

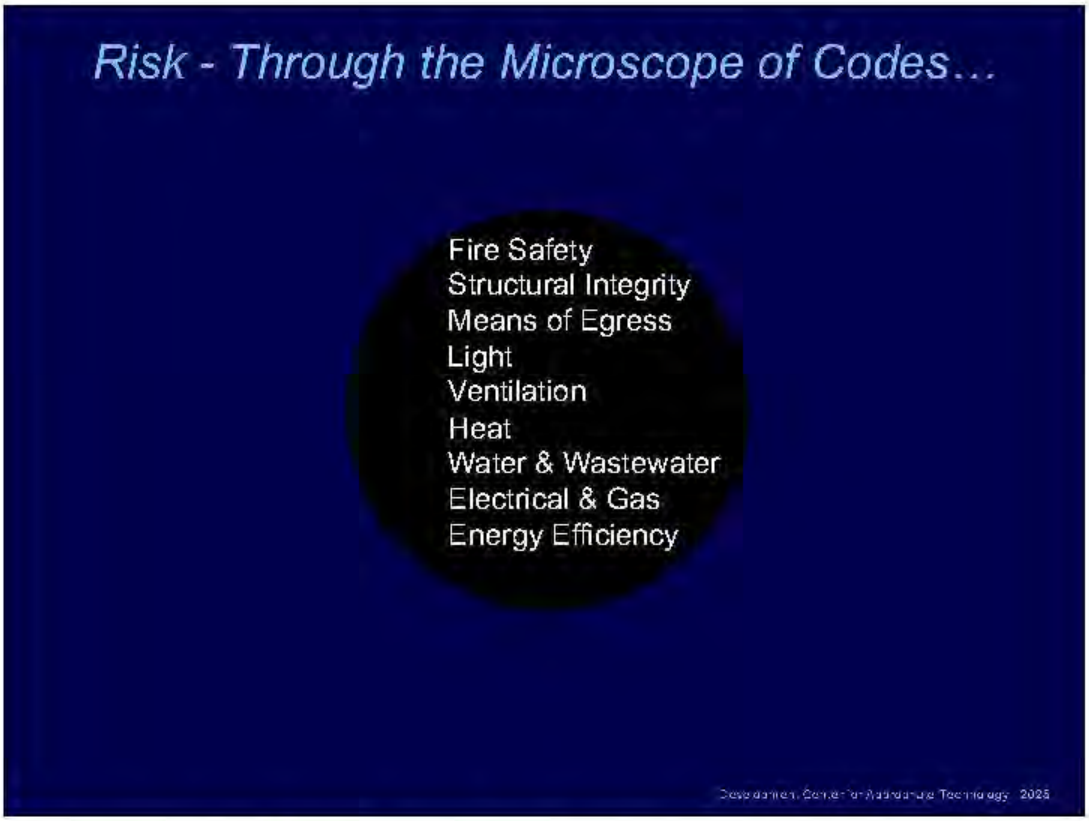
These two quotes by ICC founding Board Chairman Bob Fowler from a 2000 interview of Bob and David Eisenberg in ICBO's Building Standards magazine are relevant to the intent of this proposal (see link to full interview below):

"Safety is very important, but we need to think about the responsibilities for our collective safety; especially the welfare of future generations who, it's worth noting, are unable to represent their interests."

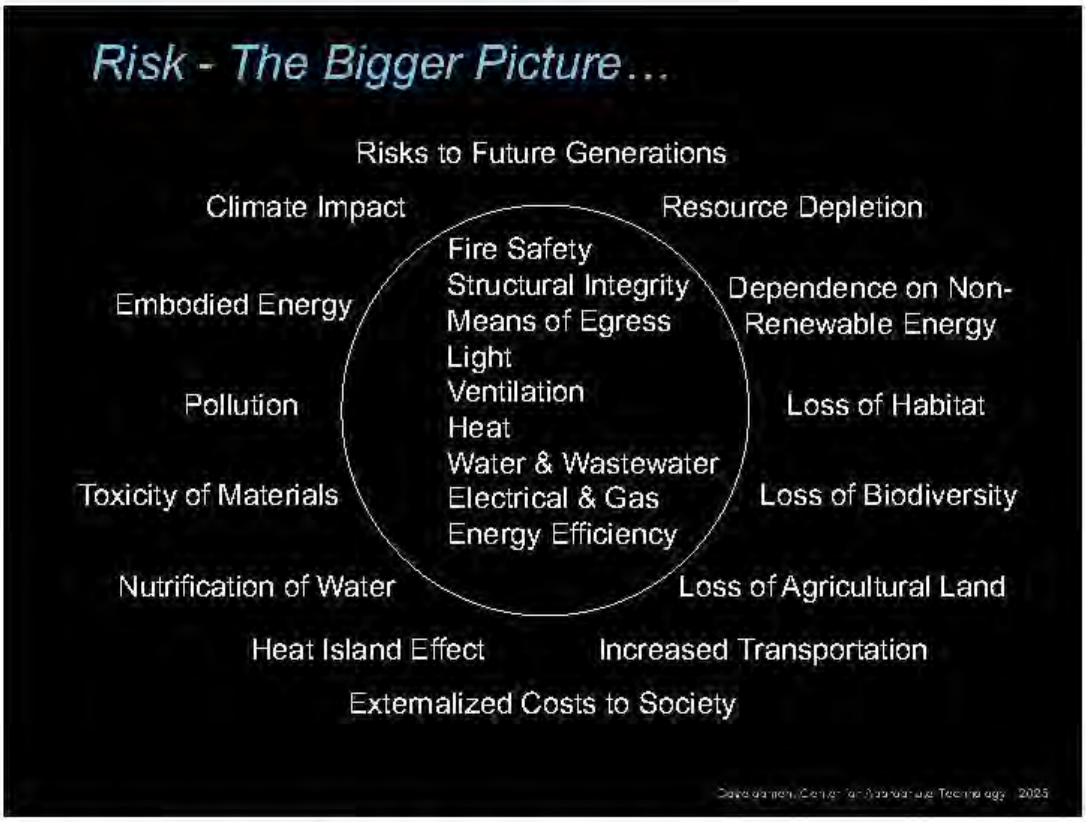
"At some point, we will have to develop criteria for the environmental performance of buildings, similar to energy efficiency requirements. Alternative materials and methods will become much more than just allowable options once that happens. You can tell that I've come a long way personally from the building official I was when I got up and spoke against the first proposed code change to require insulation in buildings. I thought that was the dumbest idea I'd ever heard and that it had no place in the codes. Looking back, I see that the energy efficiency requirements set a very important precedent for our learning to take responsibility for the full range of the consequences of our buildings. We now need to continue that learning process and open our eyes and our minds to the work of creating sustainable buildings. Our great-grandchildren will thank us."

At a minimum, we hope this proposed change to the IBC's Purpose statement brings the issue back to the forefront and opens a conversation to allow honest and responsible exploration of how we can and should balance the full spectrum of hazards attributable to the built environment in our codes.

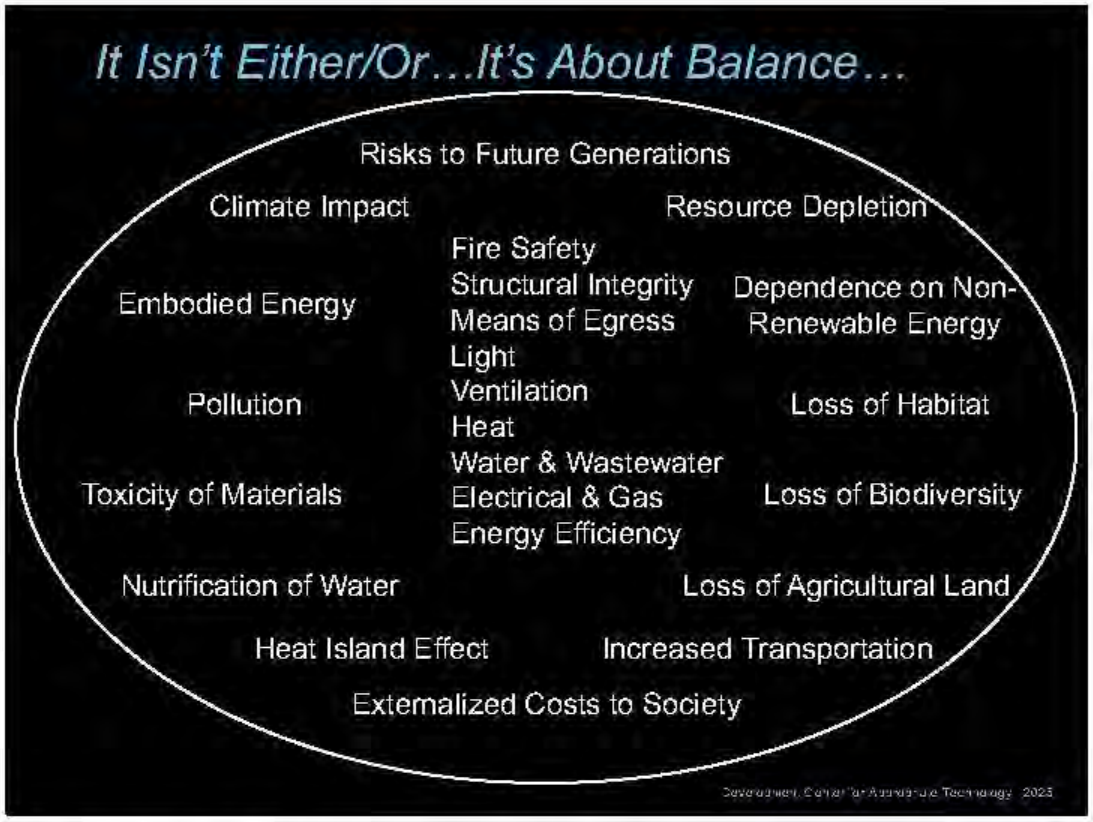

The following is a set of three slides that David Eisenberg of the Development Center for Appropriate Technology has been presenting to building officials for the past two decades. They graphically represent the way that not all hazards attributable to the built environment are addressed or even recognized in our building codes, revealing the need for a comprehensive process to balance and address them in the codes.



Looking at buildings through codes is like looking through a microscope. These are the main categories of hazards attributable to the built environment that are addressed in building codes. Though what you can see through that lens is very important, there are many other important hazards you can't see while looking through that lens.



Here are some of the other hazards which are attributable or partly attributable to the built environment, yet are not addressed by the codes.



What is critical to recognize is that this should not be an either/or matter – the full scope of hazards attributable to the built environment should be acknowledged and there should be a process to balance these hazards and risks – many of which are cumulative and distributed and occur over time – with the widely recognized hazards that are already addressed in codes.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This proposed text addition has no direct construction cost impact.

Staff Analysis: Similar text is also in IFC Section 101.3.

ADM3-25 Part I

ADM3-25 Part II

IRC: R101.3

Proponents: David Eisenberg, representing The Development Center for Appropriate Technology (strawnet@gmail.com); Martin Hammer, representing Martin Hammer - Architect (mfhammer@pacbell.net); Anthony Dente, representing Verdant Structural Engineers (anthony@verdantstructural.com); David Arkin, AIA, representing Arkin Tilt Architects (david@arkintilt.com)

2024 International Residential Code

Revise as follows:

R101.3 Purpose. The purpose of this code is to establish minimum requirements to provide a reasonable level of safety, health and general welfare through affordability, structural strength, means of egress, stability, sanitation, light and *ventilation*, energy conservation and safety to life and property from fire and other hazards attributable to the built environment and to provide a reasonable level of safety to firefighters and emergency responders during emergency operations.

Attached Files

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Reason: From the 2003 IRC to the 2018 IRC (and similarly from the 2000 IBC to the 2018 IBC), the Purpose section of the code included the phrase "and other hazards attributed to the built environment". That phrase is foundational to the understanding that, in plain English, the built environment creates hazards that extend beyond those impacting the occupants of buildings, beyond the scale of individual buildings, and beyond the specific regulatory categories listed in the purpose statement. This proposal reestablishes that phrase as well as replacing the word “attributed” with “attributable” because it implies not only hazards known from past experience, but those emerging in the present and into the future. (See links to attachments at the end of this Reason statement providing fuller background and context.)

There was considerably greater clarity in the IRC's original Purpose section:

From the 2003 IRC:

R101.3 Purpose. The purpose of this code is to provide minimum requirements to safeguard the public health, safety and general welfare, through affordability, structural strength, means of egress facilities, stability, sanitation, light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment.

From the 2024 IRC:

R101.3 Purpose. The purpose of this code is to establish minimum requirements to provide a reasonable level of safety, health and general welfare through affordability, structural strength, means of egress, stability, sanitation, light and *ventilation*, energy conservation and safety to life and property from fire and to provide a reasonable level of safety to firefighters and emergency responders during emergency operations.

The importance of that deleted phrase lies in its acknowledgement that the built environment creates hazards. Though not stated explicitly, hazards attributable to the built environment are not limited to those directly impacting the occupants of a specific building or structure, but can come in other forms and occur in other places or timeframes.

The IRC and IBC requirements do an excellent job protecting buildings and their occupants from the categories of hazards included in the codes, while failing to recognize or address many other hazards which can be partly or entirely traced to the built environment. These include hazards related to the lifecycle impacts of building materials, their potential toxicity and much more. The complexity of addressing the upstream and downstream impacts of buildings, and the built environment more broadly, while challenging, does not eliminate the responsibility of trying to understand and minimize the hazards created, and to balance the risks they represent at different levels and scales, from individual products, materials and systems to the aggregated and cumulative impacts they create.

What is missing overall in the codes and in code development is a formal process aimed at recognizing and attempting to balance risks and hazards across the full spectrum of potential harm created by the built environment. If we don’t acknowledge the existence of these other hazards, it becomes

extremely difficult to introduce alternatives that may produce equivalent levels of safety and performance for buildings and their occupants while addressing these other hazards.

We recognize that this view creates discomfort for many, and that the lack of a definitive line of regulatory authority and responsibility creates problems that are difficult to resolve. On the other hand, what of the blurring of definitive lines with the acceptance of the words “reasonable levels of health, safety and general welfare” into the purpose statements - clearly permissive language not allowed anywhere else in the codes. In fact, it is an illusion that there was ever a clear line for which hazards should and should not be addressed in the codes.

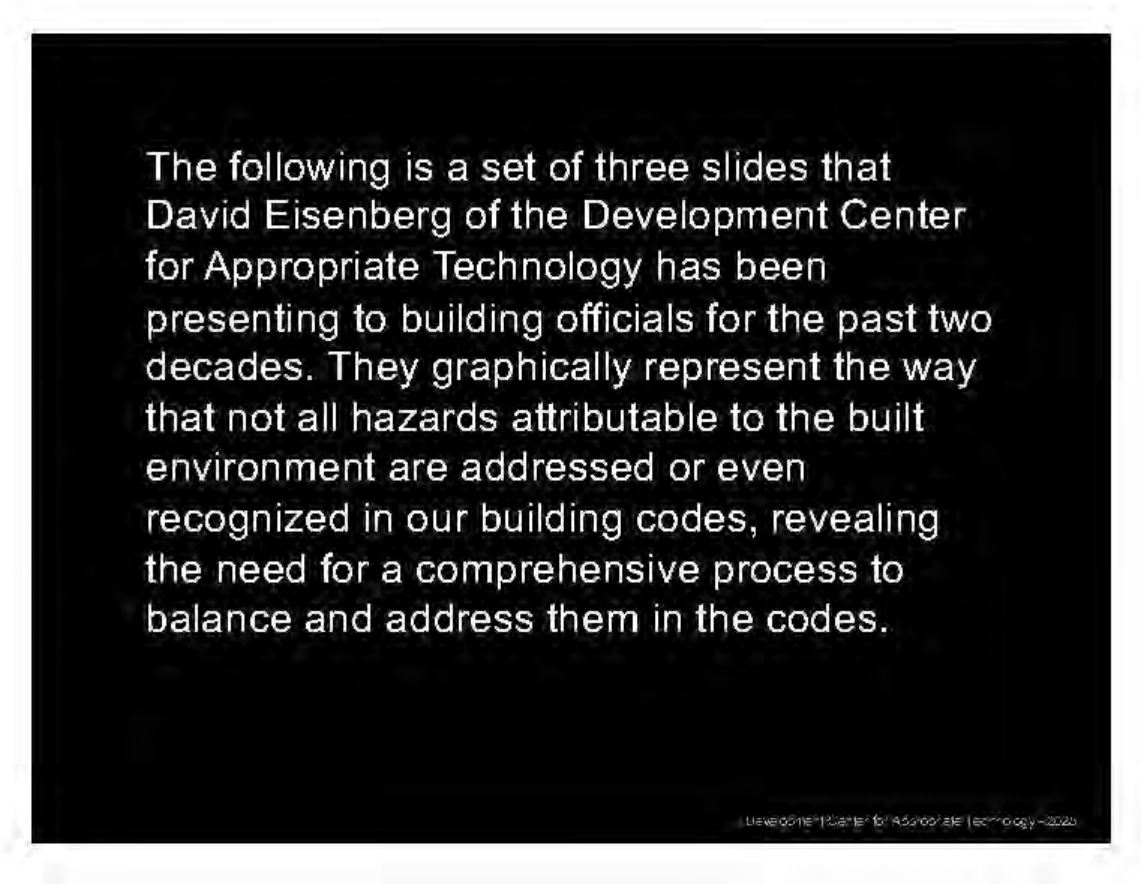
The codes have continuously responded to emergent and previously unknown or unrecognized hazards and their impacts. That is why lead and asbestos are no longer allowed in building materials, and why we require insulation and have energy conservation requirements, and why we now have a wildland-urban interface code, and of course, why we have three-year code development cycles and appendices to the codes. Among these changing realities is that the global climate is changing. Extreme weather events that were once rare are now common, and we need to be considering both how a changing climate impacts buildings and how the cumulative impacts of the built environment impact the climate.

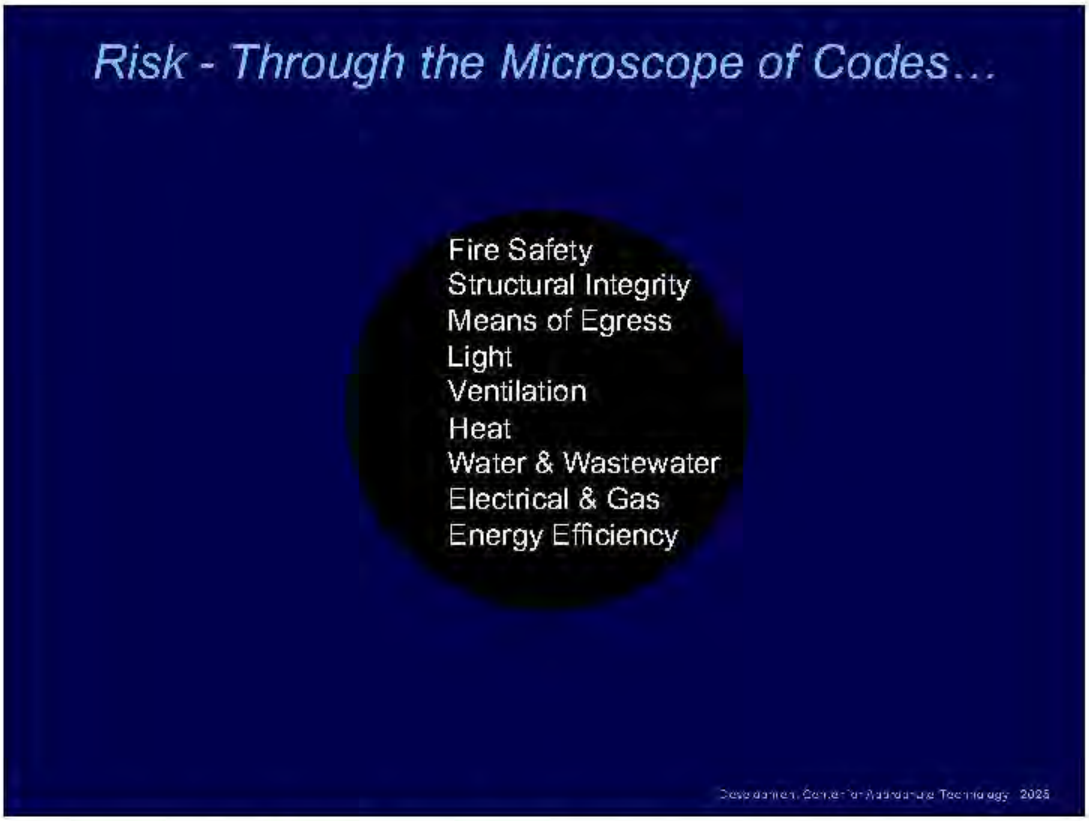
These two quotes by ICC found Board Chairman Bob Fowler from a 2000 interview with Bob and David Eisenberg in ICBO's Building Standards magazine are relevant to the intent of this proposal (see link to full interview below):

“Safety is very important, but we need to think about the responsibilities for our collective safety; especially the welfare of future generations who, it's worth noting, are unable to represent their interests.”

“At some point, we will have to develop criteria for the environmental performance of buildings, similar to energy efficiency requirements. Alternative materials and methods will become much more than just allowable options once that happens. You can tell that I've come a long way personally from the building official I was when I got up and spoke against the first proposed code change to require insulation in buildings. I thought that was the dumbest idea I'd ever heard and that it had no place in the codes. Looking back, I see that the energy efficiency requirements set a very important precedent for our learning to take responsibility for the full range of the consequences of our buildings. We now need to continue that learning process and open our eyes and our minds to the work of creating sustainable buildings. Our great-grandchildren will thank us.”

At a minimum, we hope this proposed change to the IRC’s Purpose statement brings the issue back to the forefront and opens a conversation to allow honest and responsible exploration of how we can and should balance the full spectrum of hazards attributable to the built environment in our codes.





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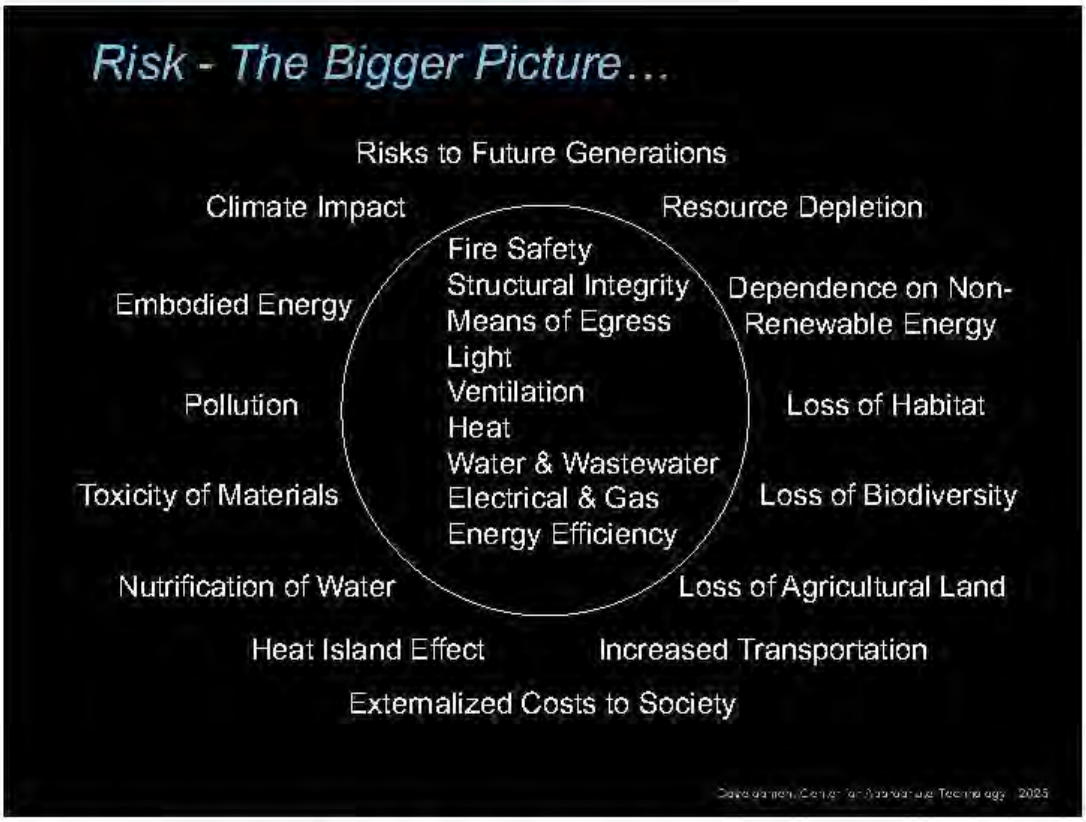
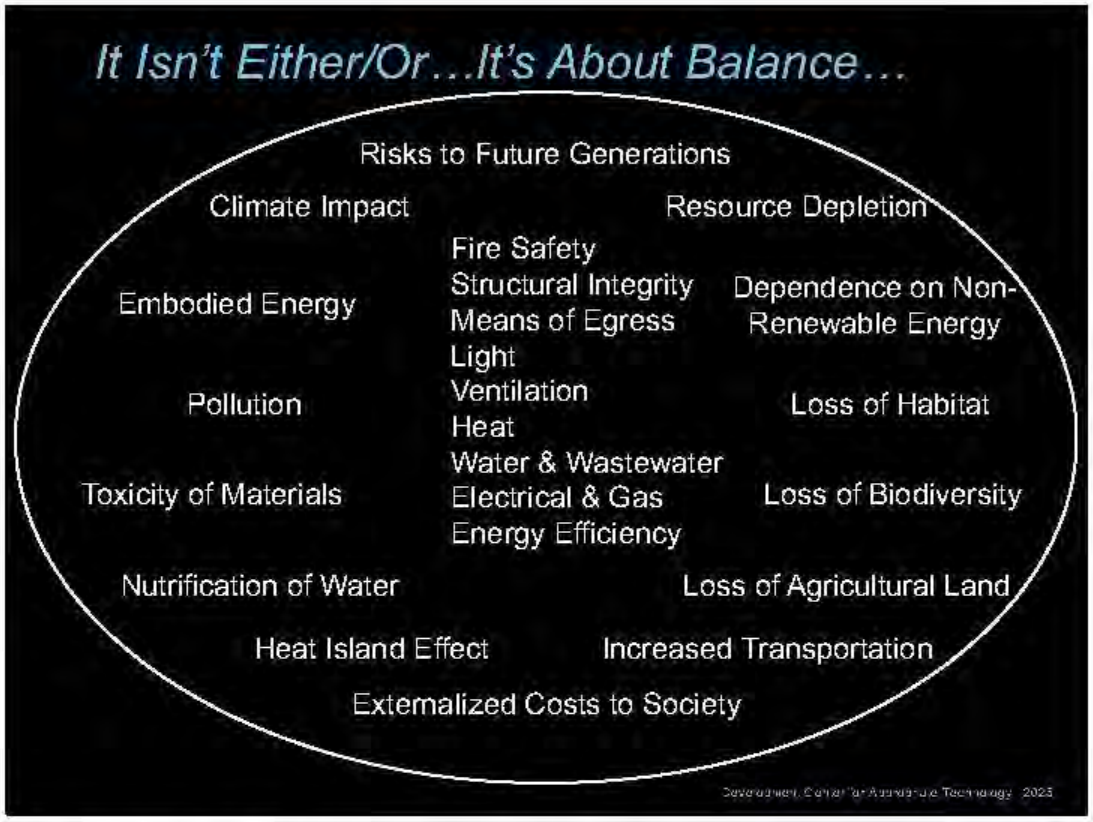


Here are some of the other hazards which are attributable or partly attributable to the built environment, yet are not addressed by the codes.



What is critical to recognize is that this should not be an either/or matter – the full scope of hazards attributable to the built environment should be acknowledged and there should be a process to balance these hazards and risks – many of which are cumulative and distributed and occur over time – with the widely recognized hazards that are already addressed in codes.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This proposed text addition has no direct construction cost impact.

ADM3-25 Part II

ADM4-25

IEBC: [A] 101.4

Proponents: Jay Crandell, P.E., ABTG / ARES Consulting, representing Foam Sheathing Committee of the American Chemistry Council (jcrandell@aresconsulting.biz)

2024 International Existing Building Code

Revise as follows:

[A] 101.4 Applicability. This code shall apply to the *repair*, *alteration*, *change of occupancy*, *addition* and relocation of *existing buildings*, regardless of occupancy, subject to the criteria of Sections 101.4.1 and 101.4.2.

Exception: The provisions of Chapter 5 of the *International Energy Conservation Code* shall apply to all matters governing of the energy efficiency of *existing buildings*.

Reason: The IEBC does not address energy efficiency. Chapter 5 of the IECC provides the relevant requirements for energy efficiency for existing building repairs, alternations, change of occupancy, and additions. It also uses important differences in terminology unique to addressing energy efficiency for existing buildings. This scope clarification is necessary to ensure the IEBC and the IECC are properly coordinated.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This proposal is a clarification of scope of the IEBC and does not change requirements in the IEBC or in the IECC related to existing buildings.

ADM5-25

IWUIC: [A] 101.6

Proponents: Robert Marshall, representing FCAC (fcac@iccsafe.org)

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 101.6 Maintenance. Buildings, structures, ~~landscape materials, vegetation, *defensible space* or~~ and other devices or safeguards required by this code shall be maintained in conformance to the code edition under which they were constructed or required to be installed.

Landscape materials, vegetation, and *defensible space* shall be maintained in conformance with this code, an *approved fire protection plan* and any other applicable hazard mitigation requirements imposed by the *code official* at the time of site approval.

The owner or the owner's authorized agent shall be responsible for the maintenance of buildings, structures, landscape materials and vegetation.

Reason: This proposal accomplishes 3 things:

1. It creates a new Chapter for all maintenance requirements applicable to fire hazard mitigation of structures and premises regulated by the IWUIC. New construction requirements remain in Chapters 4, 5 and 6.

2. It relocates all existing requirements that are maintenance related from Chapter 6 into the appropriate sections of this new Chapter for clarity and easier use of this code.

3. It adds reasonable new requirements for maintenance or repair or replacement of features that were identified by F-CAC as gaps that needed to be addressed.

FCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and early 2024 the FCAC has held several virtual meetings and one in-person meeting open to any interested party. In addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the committee as well as interested parties. Related documents and reports are posted on the **FCAC Website**

Cost Impact: Increase

Staff Analysis: This was submitted as a part of WUIC70-24 and was determined to be within the scope of the IADMIN committee.

ADM6-25 Part I

IBC: [A] 102.2; IEBC: [A] 102.2; IFC: [A] 102.11; IFGC: [A] 102.10; IGCC: 102.2; IMC®: [A] 102.10; IPC: [A] 102.10; IPSDC: [A] 102.2; IPMC: [A] 102.11; ISPSC: [A] 102.9; IWUIC: [A] 102.2

Proponents: Scott Brody, representing Self (sbrody96@gmail.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 102.2 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Existing Building Code

Revise as follows:

[A] 102.2 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Fire Code

Revise as follows:

[A] 102.11 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Fuel Gas Code

Revise as follows:

[A] 102.10 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Green Construction Code

Revise as follows:

102.2 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Mechanical Code

Revise as follows:

[A] 102.10 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Plumbing Code

Revise as follows:

[A] 102.10 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 102.2 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Property Maintenance Code

Revise as follows:

[A] 102.11 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 102.9 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

2024 International Wildland Urban Interface Code

[A] 102.2 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

ADM6-25 Part I

ADM6-25 Part II

IRC: R102.2

Proponents: Scott Brody, representing Self (sbrody96@gmail.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Residential Code

Revise as follows:

R102.2 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, or international legal instruments which the nation is a party to.

Reason: This edit adds international law to I-code's law list that is currently shown (local, state, and federal). It makes the code more consistent with Code Council Policy CP 49-21, "CP#49-21 – Conforming Codes and Standards to United States Federal Law and International Law." Because international law is a broad term with numerous potential interpretations, I made the scope more specific than the other authorities mentioned in this clause. This makes it clear that the I-codes only impacted by international legal instruments which the nation is a party to.

Specific mention of international law is justified here because it is distinct from federal, state, and local law. Sometimes, international law is enforceable in domestic courts. Other times, the US will ratify an international treaty, giving the document international legal validity, without passing a corresponding federal law enforcing the treaty or agreement on the states. This can create issues, for example when the federal government took action to diminish sale of more carbon-emitting refrigerants, consistent with international obligations, yet some state codes were not updated to reflect the new situations. In cases of legally recognized but non-self-executing treaties, this code change would meaningfully impact how the I-codes are interpreted, to be consistent with treaty obligations.

As mentioned, ICC Code Council Policy (CP) 49-21 recognizes "International Law." Further, this policy makes it the goal of having the I-codes be globally applicable. With many nations outside the US placing a high degree of importance on international law, this code change will make the I-codes more suitable for global use.
The American National Standards Institute has also adopted policy to align standards activity with international obligations, consistent with the organization's status as the national standards coordinator. This proposal will therefore make the I-codes more aligned with ANSI objectives.

On the day-to-day enforcement side, this reference will queue inspectors to be more aware of possible preemptions. For example, many aspects of marine vessels are regulated in accordance with the United Nations Safety of Life at Sea convention (SOLAS). Clause 107.1 of the IFC authorizes the fire official to enter any "marine vessel" for the purposes of enforcing the IFC. By adding a reference that the IFC does not preempt international legal instruments which the nation is a party to, the fire official's scope of authority is clarified.

Bibliography: CP 49-21 - Conforming Codes and Standards to United States Federal Law and International La. Approved by the ICC Board of Directors 9/18/2021.

https://cdn-www-v2.iccsafe.org/wp-content/uploads/edbcbd8c-0470-475c-9717-c0083424fe2d-upload_any_related_documentation_-CP-49-Conforming-Codes-and-Stan.pdf

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

Theoretically, any change which clarifies the code has the potential to reduce costs by eliminating wasted time from confusion. However, corrections to issues of improper code enforcement are not really something which is done in the interest of saving money, and the option to select no impact due to the change being editorial seems most appropriate.

ADM7-25

IMC®: [A] 102.3, ACCA Chapter 15 (New)

Proponents: David Crawford Bixby, Air Conditioning Contractors of America (ACCA), representing ACCA (david.bixby@acca.org)

2024 International Mechanical Code

Revise as follows:

[A] 102.3 Maintenance. Mechanical systems, both existing and new, and parts thereof shall be maintained in proper operating condition in accordance with the original design and in a safe and sanitary condition. Devices or safeguards that are required by this code shall be maintained in compliance with the edition of the code under which they were installed. The owner or the owner's authorized agent shall be responsible for maintenance of mechanical systems. To determine compliance with this provision, the code official shall have the authority to require a mechanical system to be reinspected.The inspection for maintenance of HVAC systems not within the scope of ACCA 4 QM shall be performed in accordance with ASHRAE/ACCA/ANSI Standard 180.The inspection for maintenance of HVAC systems in one and two family dwellings and multifamily dwellings of three stories or fewer above grade shall be performed in accordance with ACCA 4 QM.

Add new standard(s) as follows:

ACCA

Air Conditioning Contractors of America
2800 Shirlington Road, Suite 300
Arlington, VA 22206

ACCA 4 QM – 2019 (R2024) Quality Maintenance of Residential HVAC Systems

Reason: The proposal is to (1) clarify that the current requirement showing Standard 180 specifically covers inspection for maintenance of commercial HVAC systems, and (2) add a reference to ACCA 4 QM which covers inspection for maintenance of residential HVAC systems for one and two-family dwellings of three stories or less. ACCA 4 QM is a consensus-based ANSI standard. A proposal to add ACCA 4 QM to the IMC Referenced Standards chapter will be submitted.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

No cost impacts since this is a clarification of the current maintenance requirements.

Staff Analysis: A review of the following standards proposed for inclusion in the code regarding some of the key ICC criteria for referenced standards (Section 4.6 of CP#28) will be posted on the ICC website on or before April 1, 2025.
ACCA 4 QM – 2019 (R2024) Quality Maintenance of Residential HVAC Systems

ADM8-25

IPMC: [A] 102.3

Proponents: Andrew Bevis, Chair, representing Plumbing, Mechanical and Fuel Gas Code Action Committee (pmgcac@iccsafe.org); Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org)

2024 International Property Maintenance Code

[A] 102.3 Application of other codes. Repairs, additions or alterations to a *structure*, or changes of *occupancy*, shall be done in accordance with the procedures and provisions of the *International Building Code*, *International Existing Building Code*, *International Energy Conservation Code*, *International Fire Code*, *International Fuel Gas Code*, *International Mechanical Code*, *International Residential Code*, *International Plumbing Code*, *International Swimming Pool and Spa Code* and NFPA 70. Nothing in this code shall be construed to cancel, modify or set aside any provision of the *International Zoning Code*.

Reason: Any alteration, repair, addition or change of occupancy related to swimming pools and spas should be done in accordance with the International Swimming Pool and Spa Code (ISPSC). There are unique hazards associated with pools and spas that are specifically addressed by the provisions of the ISPSC.PMGCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and 2024 the BCAC has held numerous virtual meetings open to any interested party. Related documents and reports are posted on the PMGCAC website at PMGCAC webpage. BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and 2024 the BCAC has held several virtual meetings open to any interested party. In addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the committee as well as interested parties. Related documents and reports are posted on the BCAC website at BCAC webpage.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

Jurisdictions will be already be enforcing the minimum requirements for pools and spas. This clarifies that they would be using the ISPSC as the basis for enforcement.

ADM9-25 Part I

IBC: 102.5 (New), [A] 102.5; IEBC: 102.5 (New), [A] 102.5; IFC: [A] 101.5, 102.5.1 (New), [A] 102.5; IFGC: 102.5 (New), 102.5.1 (New), [A] 102.5, [A] 105.5.2; IGCC: 102.5 (New), 102.5; IMC®: 102.5 (New), 102.5.1 (New), [A] 102.5, [A] 105.4.2; IPC: 102.5 (New), 102.5.1 (New), [A] 102.5, [A] 105.5.2; IPSDC: 102.5 (New), 102.5.1 (New), [A] 105.3.2; IPMC: 102.5 (New), 102.5.1 (New), [A] 102.5; ISPSC: 102.5 (New), 102.5.1 (New), [A] 102.5, [A] 105.4.2; IWUIC: 102.7 (New), [A] 102.7

Proponents: Bryan Toepfer, representing NY DOS (bryan.toepfer@dos.ny.gov); Chad Sievers, NYS, representing NYS Dept of State (chad.sievers@dos.ny.gov); Jeanne Rice, representing NYSDOS (jeanne.rice@dos.ny.gov); China Clarke, representing New York State Dept of State (china.clarke@dos.ny.gov); Larissa DeLango, representing NYSDOS (larissa.delango@dos.ny.gov); Daniel Carroll, New York State Department of State, representing Division of Building Standards and Codes (daniel.carroll@dos.ny.gov); Bryant Arms, representing NYS DOS (bryant.arms@dos.ny.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Add new text as follows:

102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

Revise as follows:

[A] ~~102.5~~ 102.5.1 Partial invalidity. In the event that any part or provision of this code is held to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

2024 International Existing Building Code

Add new text as follows:

102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

Revise as follows:

[A] ~~102.5~~102.5.1 Partial invalidity. In the event that any part or provision of this code is held to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

2024 International Fire Code

Revise as follows:

[A] 102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

Add new text as follows:

102.5.1 Partial invalidity. In the event that any part or provision of this code is held by a court of competent jurisdiction to be illegal or

void, this shall not have the effect of making void or illegal any of the other parts or provisions.

Revise as follows:

[A] ~~102.5~~ 102.13 Application of residential code. Where structures are designed and constructed in accordance with the *International Residential Code*, the provisions of this code shall apply as follows:

1. Construction and design provisions of this code pertaining to the exterior of the structure shall apply including, but not limited to, premises identification, fire apparatus access and water supplies. Where interior or exterior systems or devices are installed, construction permits required by Section 105.6 shall apply.
2. Administrative, operational and maintenance provisions of this code shall apply.

2024 International Fuel Gas Code

Add new text as follows:

102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

102.5.1 Partial invalidity. In the event that any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

[A] ~~102.5~~ 102.12 Change in occupancy. It shall be unlawful to make a change in the *occupancy* of a structure that will subject the structure to the special provisions of this code applicable to the new *occupancy* without approval. The *code official* shall certify that such structure meets the intent of the provisions of law governing building construction for the proposed new *occupancy* and that such change of *occupancy* does not result in any hazard to the public health, safety or welfare.

[A] 105.5.2 Validity of licenses, permits and approvals. The issuance of a permit or approval of *construction documents* shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of other ordinances of the jurisdiction. A permit presuming to give authority to violate or cancel the provisions of this code shall be invalid.

The issuance of a permit based on *construction documents* and other data shall not prevent the *code official* from thereafter requiring the correction of errors in said *construction documents* and other data or from preventing building operations from being carried on thereunder where in violation of this code or of other ordinances of this jurisdiction.

2024 International Green Construction Code

Add new text as follows:

102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

Revise as follows:

~~102.5~~ 102.5.1 Partial invalidity. In the event that any part or provision of this code is held to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

2024 International Mechanical Code

Add new text as follows:

102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

102.5.1 Partial invalidity. In the event that any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

Revise as follows:

[A] ~~102.5~~ 102.12 Change in occupancy. It shall be unlawful to make a change in the *occupancy* of any structure that will subject the structure to any special provision of this code applicable to the new *occupancy* without approval. The code official shall certify that such structure meets the intent of the provisions of law governing *building* construction for the proposed new *occupancy* and that such change of *occupancy* does not result in any hazard to the public health, safety or welfare.

[A] 105.4.2 Validity of licenses, permits and approvals. The issuance of a permit or approval of *construction documents* shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of other ordinances of the jurisdiction. A permit presuming to give authority to violate or cancel the provisions of this code shall be invalid.

The issuance of a permit based on *construction documents* and other data shall not prevent the code official from thereafter requiring the correction of errors in said *construction documents* and other data or from preventing building operations from being carried on thereunder where in violation of this code or of other ordinances of this jurisdiction.

2024 International Plumbing Code

Add new text as follows:

102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

102.5.1 Partial invalidity. In the event that any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

Revise as follows:

[A] ~~102.5~~ 102.12 Change in occupancy. It shall be unlawful to make any change in the *occupancy* of any structure that will subject the structure to any special provision of this code applicable to the new *occupancy* without approval of the *code official*. The *code official* shall certify that such structure meets the intent of the provisions of law governing building construction for the proposed new *occupancy* and that such change of *occupancy* does not result in any hazard to the public health, safety or welfare.

[A] 105.5.2 Validity of licenses, permits and approvals. The issuance of a permit or approval of construction documents shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or any other ordinance of the jurisdiction. A permit presuming to give authority to violate or cancel the provisions of this code shall not be valid.

The issuance of a permit based on construction documents and other data shall not prevent the code official from thereafter requiring the correction of errors in said construction documents and other data or from preventing building operations being carried on thereunder where in violation of this code or of other ordinances of this jurisdiction.

2024 International Private Sewage Disposal Code

Add new text as follows:

102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be

presumed that this code would have been adopted without such illegal or invalid parts or provisions.

102.5.1 Partial invalidity. In the event that any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

Revise as follows:

[A] 105.3.2 Validity of licenses, permits and approvals. The issuance of a permit or approval of *construction documents* shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of other ordinances of the jurisdiction. No permit presuming to give authority to violate or cancel the provisions of this code shall be valid.

The issuance of a permit based on *construction documents* and other data shall not prevent the *code official* from thereafter requiring the correction of errors in said *construction documents* and other data or from preventing building operations being carried on thereunder when in violation of this code or of other ordinances of the jurisdiction.

2024 International Property Maintenance Code

Add new text as follows:

102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

102.5.1 Partial invalidity. In the event that any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

Revise as follows:

[A] ~~102.5~~ 102.12 Workmanship. Repairs, maintenance work, alterations or installations that are caused directly or indirectly by the enforcement of this code shall be executed and installed in a *workmanlike* manner and installed in accordance with the manufacturer's instructions.

2024 International Swimming Pool and Spa Code

Add new text as follows:

102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

102.5.1 Partial invalidity. In the event that any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

Revise as follows:

[A] ~~102.5~~ 102.11 Historic buildings. The provisions of this code relating to the construction, *alteration*, repair, enlargement, restoration, relocation or moving of pools, spas or systems shall not be mandatory for existing pools, spas or systems identified and classified by the state or local jurisdiction as part of a historic structure where such pools, spas or systems are judged by the *code official* to be safe and in the public interest of health, safety and welfare regarding any proposed construction, *alteration*, repair, enlargement, restoration, relocation or moving of such pool or spa.

[A] 105.4.2 Validity of licenses, permits and approvals. The issuance of a permit or approval of construction documents shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or any other ordinance of the jurisdiction.

Any permit presuming to give authority to violate or cancel the provisions of this code shall not be valid.

The issuance of a permit based on construction documents and other data shall not prevent the *code official* from thereafter requiring the correction of errors in said construction documents and other data or from preventing building operations being carried on thereunder where in violation of this code or of other ordinances of this jurisdiction.

2024 International Wildland Urban Interface Code

Add new text as follows:

102.7 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

Revise as follows:

[A] ~~102.7~~ 102.7.1 Partial invalidity. In the event that any part or provision of this code is held to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

ADM9-25 Part I

ADM9-25 Part II

IRC: R102.5 (New), R102.5

Proponents: Bryan Toepfer, representing NY DOS (bryan.toepfer@dos.ny.gov); Chad Sievers, NYS, representing NYS Dept of State (chad.sievers@dos.ny.gov); Jeanne Rice, representing NYSDOS (jeanne.rice@dos.ny.gov); China Clarke, representing New York State Dept of State (china.clarke@dos.ny.gov); Larissa DeLango, representing NYSDOS (larissa.delango@dos.ny.gov); Daniel Carroll, New York State Department of State, representing Division of Building Standards and Codes (daniel.carroll@dos.ny.gov); Bryant Arms, representing NYS DOS (bryant.arms@dos.ny.gov)

2024 International Residential Code

Add new text as follows:

R102.5 Validity. In the event any part or provision of this code is held by a court of competent jurisdiction to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions hereof, which are determined to be legal; and it shall be presumed that this code would have been adopted without such illegal or invalid parts or provisions.

Revise as follows:

~~R102.5~~ R102.5.1 **Partial invalidity.** In the event any part or provision of this code is held to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

Reason: Almost all of the code books have language regarding "Validity of license, permits and approvals," but use inconsistent section titles. This code proposals suggests making them all match. Some books also have provisions for "Validity" and "Partial invalidity," but not always both, and sometimes missing both. This code proposals suggests including all of them in each book, as well as using consistent numbering.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This code proposal has no cost impact, as it is only editing section numbers and titles. It also include clarifying language that does not change the intent of the code, therefore having no impact on cost.

ADM10-25

IFC: [A] 102.8

Proponents: Scott Brody, representing Self (sbrody96@gmail.com)

2024 International Fire Code

[A] 102.8 Subjects not regulated by this code. Where applicable standards or requirements are not set forth in this code, or are contained within other laws, codes, regulations, ordinances or bylaws adopted by the jurisdiction, compliance with applicable standards of the National Fire Protection Association or other nationally or internationally recognized fire safety standards, as *approved*, shall be deemed as prima facie evidence of compliance with the intent of this code. Nothing herein shall derogate from the authority of the *fire code official* to determine compliance with codes or standards for those activities or installations within the *fire code official's* jurisdiction or responsibility.

Reason: The exclusive reference to nationally recognized standards is inconsistent with the World Trade Organization Technical Barriers to Trade Agreement, which the US is a party to.

TBT Agreement Clause 2.4: "Where technical regulations are required and relevant international standards exist or their completion is imminent, Members shall use them, or the relevant parts of them, as a basis for their technical regulations except when such international standards or relevant parts would be an ineffective or inappropriate means for the fulfilment of the legitimate objectives pursued, for instance because of fundamental climatic or geographical factors or fundamental technological problems."

Through WTO dispute settlement body case law, it has also been clarified that the term "relevant" in international standard is impacted by the number of nations using the standard. It is not simply satisfied by calling a code or standard "international". So there are times where the I-codes should be accepting other international/foreign standards to comply with trade agreements.

Rejection of counterarguments:

Some might be concerned this change will diminish safety. But what is being proposed would not allow foreign standards by default, just where approved. So code officials will retain the power to disallow an international standard where such provides inappropriate protection. Further, many international standards do not provide worse protection, as evidenced by the countless nations using non-US standards and have achieved much higher levels of fire safety. It is therefore unnecessary and contrary to the TBT agreement to only allow domestic standards in this section of code.

International Code Council has adopted CP 49-21 -Conforming Codes and Standards to United States Federal Law and International Law. In accordance with that policy, the code committees should be making upmost effort to ensure their codes are consistent with international legal instruments. A further concern under CP49-21 is the code is supposed to be adoptable across nations. But not every nation maintains technical standards for every subject, especially small island countries, so forcing only domestic standards makes this code passage not globally adoptable.

Bibliography: Technical Barriers to Trade Agreement. World Trade Organization. Adopted 1/1/1995. https://www.wto.org/english/docs_e/legal_e/tbt_e.htm

International Code Council Inc Code Council Policy 49-21 - Conforming Codes and Standards to United States Federal Law and International Law. Adopted 9/18/21. https://cdn-www-v2.iccsafe.org/wp-content/uploads/edbcbd8c-0470-475c-9717-c0083424fe2d-upload_any_related_documentation_-CP-49-Conforming-Codes-and-Stan.pdf

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

While clarifying the IFC to be consistent with trade agreement obligations could save money from preventing erroneous code enforcement actions, the same argument can be made with all primarily editorial edits. Accordingly, I think it is inappropriate to put a dollar amount on this change.

ADM11-25 Part I

IBC: SECTION 103, [A] 103.1, [A] 103.2, [A] 103.3, APPENDIX A, SECTION A101, [A] A101.1, [A] A101.2, [A] A101.3, [A] A101.4; IEBC: [A] 103.3; IFC: [A] 103.3; IFGC: [A] 103.3; IGCC: 103.3; IMC®: [A] 103.3; IPC: [A] 103.3; IPSDC: [A] 103.3; IPMC: [A] 103.3; ISPSC: [A] 103.3; IWUIC: [A] 103.3; IZC: [A] 104.2

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

SECTION 103
CODE COMPLIANCE AGENCY

[A] 103.1 Creation of enforcement agency. The **[INSERT NAME OF DEPARTMENT]** is hereby created and the official in charge thereof shall be known as the *building official*. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

[A] 103.2 Appointment. The *building official* shall be appointed by the chief appointing authority of the *jurisdiction*.

Revise as follows:

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *building official* shall have the authority to appoint ~~a~~ deputy building officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *building official*.

APPENDIX A
EMPLOYEE QUALIFICATIONS

SECTION A101
BUILDING OFFICIAL QUALIFICATIONS

[A] A101.1 Building official. The *building official* shall have not fewer than 10 years' experience or equivalent as an architect, engineer, inspector, permit technician, plans examiner, contractor or superintendent of construction, or any combination of these, 5 years of which shall have been supervisory experience. The *building official* should be certified as a *building official* through a recognized certification program. The *building official* shall be appointed or hired by the applicable governing authority.

[A] A101.2 Chief inspector. The *building official* can designate supervisors to administer the provisions of this code and the *International Mechanical Code*, *International Plumbing Code* and International Fuel Gas Code. Each supervisor shall have not fewer than 10 years' experience or equivalent as an architect, engineer, inspector, permit technician, plans examiner, contractor or superintendent of construction, or any combination of these, 5 years of which shall have been in a supervisory capacity. They shall be certified through a recognized certification program for the appropriate trade.

[A] A101.3 Inspector and plans examiner. The *building official* shall appoint or hire such number of officers, inspectors, permit technicians, plans examiners, assistants and other employees as shall be authorized by the *jurisdiction*. A *person* who has fewer than 5 years of experience as a contractor, engineer, architect, or permit technician or as a superintendent, foreman or competent mechanic in charge of construction shall not be appointed or hired as inspector of construction or plans examiner. The inspector or plans examiner shall be certified through a recognized certification program for the appropriate trade.

[A] A101.4 Termination of employment. Employees in the position of *building official*, chief inspector, inspector, permit technician, or plans examiner ~~or inspector~~ shall not be removed from office except for cause after full opportunity has been given to be heard on specific charges before such applicable governing authority.

2024 International Existing Building Code

Revise as follows:

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *code official* shall have the authority to appoint ~~a~~ deputy code officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *code official*.

2024 International Fire Code

Revise as follows:

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *fire code official* shall have the authority to appoint ~~a~~ deputy fire code officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *fire code official*.

2024 International Fuel Gas Code

Revise as follows:

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *code official* shall have the authority to appoint ~~a~~ deputy code officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *code official*.

2024 International Green Construction Code

Revise as follows:

103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the authority having jurisdiction shall have the authority to appoint ~~a~~ deputy authority having jurisdictions, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees ~~as shall be necessary~~. Such employees shall have powers as delegated by the authority having jurisdiction.

2024 International Mechanical Code

Revise as follows:

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *code official* shall have the authority to appoint ~~a~~ deputy code officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *code official*.

2024 International Plumbing Code

Revise as follows:

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *code official* shall have the authority to appoint ~~a~~ deputy code officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *code official*.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *code official* shall have the authority to appoint ~~a~~ deputy code officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *code official*.

2024 International Property Maintenance Code

Revise as follows:

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *code official* shall have the authority to appoint ~~a~~ deputy code officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *code official*.

2024 International Swimming Pool and Spa Code

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *code official* shall have the authority to appoint ~~a~~ deputy code officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *code official*.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *code official* shall have the authority to appoint ~~a~~ deputy code officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *code official*.

2024 International Zoning Code

Delete and substitute as follows:

~~**[A] 104.2 Deputies.** The code official may appoint such number of technical officers and other employees as shall be authorized from time to time. The code official shall be permitted to deputize such employees as may be necessary to carry out the functions of this code.~~

[A] 104.2 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *code official* shall have the authority to appoint deputy code officials, inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *code official*.

ADM11-25 Part I

ADM11-25 Part II

IRC: R103.3

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Residential Code

Revise as follows:

R103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *building official* shall have the authority to appoint ~~a~~ deputy building officials, ~~other related technical officers,~~ inspectors, permit technicians, plans examiners, and other employees. Such employees shall have powers as delegated by the *building official*.

Reason: This proposal adds “permit technicians” into the IBC and elsewhere, acknowledging the role of permit technicians in a building department and, via IBC Appendix A, their potential to become inspectors, plans examiners, and building/code officials.

Where the appendix is used by incorporation or for reference to job descriptions, the inclusion of permit technicians may open the door to allow already qualified individuals in building departments to fill the ever-growing vacancies therein.

This code change also includes editorial changes to add in plans examiners and various coordinations.

Cost Impact: Decrease

Estimated Immediate Cost Impact:

$0

Investing in the professional development of permit technicians is a strategic move that may yield significant long-term benefits for building departments, outweighing any initial investment costs.

Estimated Immediate Cost Impact Justification (methodology and variables):

Through this code change, recognizing permit technicians as a specialized role and creating clear career paths may serve as guidance to other bodies as an option to address the code industry's depleting workforce. By providing opportunities for advancement, departments could tap into their pools of experienced permit technicians, who possess valuable, in-department-honed knowledge, skills, and abilities, to fill the roles of inspectors and plans examiners. Unlike external hires, their competency in administration, code interpretation, and customer service areas is often already established, potentially leading to a net decrease in operational (training) and passed on permitting costs.

ADM12-25

IZC: [A] 103.5, [A] 103.6, [A] 108.5, [A] 108.6, [A] 109.4, [A] 110.4

Proponents: Kota Wharton, City of Grove City, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Zoning Code

Revise as follows:

[A] 103.5 Chairperson election and rules adoption. The commission shall elect from its membership a chairperson. It shall establish and adopt rules for its organization and transaction of business and shall keep a ~~public~~ record of its proceedings. Such record shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction.

[A] 103.6 Commission secretary. A secretary to assist the commission shall be appointed by the code official. The secretary shall keep minutes of the commission meetings for ~~public~~ the record and conduct all correspondence, including the notification of decisions. The secretary shall certify such records. The secretary shall prepare and submit the minutes of commission meetings to the chairperson and the commission.

[A] 108.5 Chairperson election and rules adoption. The *board* shall elect from its membership a chairperson. It shall establish and adopt rules for its organization and the transaction of business and shall keep a ~~public~~ record of its proceedings. Such record shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction.

[A] 108.6 Board secretary. A secretary to assist the *board* shall be appointed by the code official. The secretary shall keep minutes of the *board* meetings for ~~public~~ record and conduct all correspondence, including the notification of decisions. The secretary shall certify such records. The secretary shall prepare and submit the minutes of *board* meetings to the chairperson and the *board*.

[A] 109.4 Decisions. The examiner shall, within 10 working days, render a decision. Notice in writing of the decision and the minutes of the board meeting ~~record~~ shall be given to the code official for distribution as required. Decisions shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~kept in accordance with state regulations and such decisions shall be open to the public~~.

[A] 110.4 Voting and notice of decision. There shall be a vote of a majority of the *board* and commission present in order to decide any matter under consideration. Each decision shall be entered in the minutes by the secretary. Records of appeals ~~Appeals~~ shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~kept in accordance with state regulations and such appeals shall be open to the public~~.

Notice in writing of the decision and the disposition of each appeal shall be given to the code official and each appellant ~~by mail or otherwise~~.

Reason: In the world of public record requests and state-specific requirements regarding public records, using the term "public" to preface "records" can, and does, raise unintended interpretation issues and retention burdens.

This code change removes the term "public records" and, paired with other proposals, eliminates the burden of regulating records from the I-Codes.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The code change eliminates unintended conflicts with other law.

ADM13-25

IBC: [A] 104.2.2.2; IEBC: [A] 104.2.2.2; IFC: [A] 104.2.2.2; IFGC: [A] 104.2.2.2; IGCC: 104.2.2.2; IMC®: [A] 104.2.2.2; IPC: [A] 104.2.2.2; IPSDC: [A] 104.2.2.2; IPMC: [A] 105.2.1.2; ISPSC: [A] 104.2.2.2; IWUIC: [A] 104.2.1.2

Proponents: Jack Butler, Butler & Butler, LLC, representing American Institute of Building Design (abutler@mpzero.com); Steven Mickley, representing American Institute of Building Design (steve.mickley@aibd.org)

2024 International Building Code

Revise as follows:

[A] 104.2.2.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the ~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the *building official*. The *building official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of ~~,~~ a *registered design professional*.

2024 International Existing Building Code

Revise as follows:

[A] 104.2.2.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the ~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization ~~acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of ~~,~~ a registered design professional.

2024 International Fire Code

Revise as follows:

[A] 104.2.2.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the ~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization ~~acceptable to the *fire code official*. The *fire code official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of ~~,~~ a *registered design professional*.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.2.2.2 Preparer qualifications.. Where required by the laws of the *jurisdiction*, the ~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of ~~,~~ a *registered design professional*.

2024 International Green Construction Code

Revise as follows:

104.2.2.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the ~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the authority having jurisdiction. The authority having jurisdiction is authorized to require design submittals to be prepared by,~~ and bear the stamp of ~~,~~ a registered design professional.

2024 International Mechanical Code

Revise as follows:

[A] 104.2.2.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the ~~The~~ technical opinion and report shall be

prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the code official. The code official is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a *registered design professional*.

2024 International Plumbing Code

Revise as follows:

[A] 104.2.2.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.2.2.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the code official. The code official is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.2.1.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the code official. The code official is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.2.2.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the ~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the code official. The code official is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.2.1.2 Preparer qualifications. Where required by the laws of the *jurisdiction*, the~~The~~ technical opinion and report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization ~~acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a *registered design professional*.

Reason: The laws of the jurisdiction regarding professional practice requirements should govern the qualifications required to prepare the related technical opinions and reports, not the building official's judgment. The test for whether the preparer is qualified to provide the documentation is established by the state and local regulations governing the practice of the applicable profession. A building official should not be put into a position where they must substitute their judgment to accept or reject the offered documentation when the preparer meets the requirements of those regulations, including any permitted exemptions.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The proposed modification makes the code section compliant with the laws of the jurisdiction by clarifying that the section does not supersede state and local laws governing professional practice. It also avoids placing the burden on the building official to decide when

specific credentials are required.

ADM13-25

ADM14-25 Part I

IBC: [A] 104.2.3; IFC: [A] 104.2.3; IEBC: [A] 104.2.3; IFGC: [A] 104.2.3; IGCC: 104.2.5; IMC®: 104.2.3; IPC: [A] 104.2.3; IPSDC: [A] 104.2.3; IPMC: [A] 105.2.2; ISPSC: [A] 104.2.3; IWUIC: [A] 104.2.2

Proponents: Bryan Toepfer, representing NY DOS (bryan.toepfer@dos.ny.gov); Chad Sievers, NYS, representing NYS Dept of State (chad.sievers@dos.ny.gov); Jeanne Rice, representing NYSDOS (jeanne.rice@dos.ny.gov); Daniel Carroll, New York State Department of State, representing Division of Building Standards and Codes (daniel.carroll@dos.ny.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 104.2.3 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the building official.

Alternative materials, equipment, appliances, designs, or methods of construction shall be approved only when the building official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with the *International Code Council Performance Code*. This exception shall not apply to alternative structural materials or to alternative structural designs.

2024 International Fire Code

Revise as follows:

[A] 104.2.3 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the fire code official.

Alternative materials, equipment, appliances, designs, or methods of construction shall be approved only when the fire code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with

the *International Code Council Performance Code*. This exception shall not apply to alternative structural materials or to alternative structural designs.

2024 International Existing Building Code

Revise as follows:

[A] 104.2.3 Alternative materials, appliances, design and methods of construction, and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the code official.

Alternative materials, equipment, appliances, designs, or methods of construction shall be approved only when the code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with the *International Code Council Performance Code*. This exception shall not apply to alternative structural materials or to alternative structural designs.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.2.3 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the code official.

Alternative materials, equipment, appliances, designs, or methods of construction shall be approved only when the code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and *equipment* complying with the *International Code Council Performance Code*.

2024 International Green Construction Code

Revise as follows:

104.2.5 ~~Innovative approaches and alternative~~ Alternative materials, appliances, design, and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not

specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the authority having jurisdiction.

Alternative materials, equipment, appliances, designs, or methods of construction shall be approved only when the code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and *equipment* complying with the *International Code Council Performance Code*.

2024 International Mechanical Code

Revise as follows:

[A] 104.2.3 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the code official.

Alternative materials, equipment, appliances, designs, or methods of construction may be approved only when the code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with the International Code Council Performance Code.

2024 International Plumbing Code

Revise as follows:

[A] 104.2.3 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the code official.

Alternative materials, equipment, appliances, designs, or methods of construction may be approved only when the code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.

2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with the *International Code Council Performance Code*.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.2.3 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the code official.

Alternative materials, equipment, appliances, designs, or methods of construction may be approved only when the code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with the International Code Council Performance Code.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.2.2 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the code official.

Alternative materials, equipment, appliances, designs, or methods of construction may be approved only when the code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with the *International Code Council Performance Code*.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.2.3 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the code official.

Alternative materials, equipment, appliances, designs, or methods of construction may be approved only when the code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with the International Code Council Performance Code.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.2.2 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*, in writing, by the code official.

Alternative materials, equipment, appliances, designs, or methods of construction may be approved only when the code official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with the International Code Council Performance Code.

ADM14-25 Part I

ADM14-25 Part II

IRC: R104.2.2

Proponents: Bryan Toepfer, representing NY DOS (bryan.toepfer@dos.ny.gov); Chad Sievers, NYS, representing NYS Dept of State (chad.sievers@dos.ny.gov); Jeanne Rice, representing NYSDOS (jeanne.rice@dos.ny.gov); Daniel Carroll, New York State Department of State, representing Division of Building Standards and Codes (daniel.carroll@dos.ny.gov)

2024 International Residential Code

Revise as follows:

R104.2.2 Alternative materials, appliances, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any ~~material~~ materials, equipment, or appliances not specifically prescribed by this code, or to prohibit any ~~design~~ designs or ~~method~~ methods of construction not specifically prescribed by this code, provided that any such alternative materials, equipment, appliances, designs, or methods of construction:

1. Are not specifically prohibited by this code, by any other provision of this code.
2. Shall have ~~has~~ been *approved*~~.~~ , in writing, by the building official.

Alternative materials, equipment, appliances, designs, or methods of construction shall be approved only when the building official shall have determined, in writing, that such alternative is:

1. Satisfactory and complies with the intent of the provisions and requirements of this code.
2. Not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety.

Exception: Performance-based alternative materials, designs or methods of construction and equipment complying with the *International Code Council Performance Code*.

Reason: This code proposals matches the language in all code books regarding Alternative Materials, as well as matching and/or matching exceptions. Clarifying language is also added to provision and section titles.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This code proposal has no impact on cost, as it is solely editorial in matching language and exceptions to provisions.

ADM15-25 Part I

IBC: [A] 104.2.3, [A] 104.2.3.1, [A] 104.2.3.2, [A] 104.2.3.3, [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, [A] 104.2.3.6.1, [A] 104.2.3.7, [A] 104.7.3; IEBC: [A] 104.2.3, [A] 104.2.3.1, [A] 104.2.3.2, [A] 104.2.3.3, [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, [A] 104.2.3.6.1, [A] 104.2.3.7, [A] 104.7.3; IFC: [A] 104.2.3, [A] 104.2.3.1, [A] 104.2.3.2, [A] 104.2.3.3, [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, [A] 104.2.3.6.1, [A] 104.2.3.7, [A] 104.7.4; IFGC: [A] 104.2.3, [A] 104.2.3.1, [A] 104.2.3.2, [A] 104.2.3.3, [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, [A] 104.2.3.6.1, [A] 104.2.3.7, [A] 104.7.3; IGCC: 104.2.5, 104.2.5.1, 104.2.5.2, 104.2.5.3, 104.2.5.4, 104.2.5.5, 104.2.5.6.1, 104.2.5.7, 104.8.3; IMC®: 104.2.3, [A] 104.2.3.1, [A] 104.2.3.2, [A] 104.2.3.3, [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, 104.2.3.6.1, 104.2.3.7, 104.7.3; IPC: [A] 104.2.3, [A] 104.2.3.1, [A] 104.2.3.2, [A] 104.2.3.3, [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, [A] 104.2.3.6.1, [A] 104.2.3.7, [A] 104.7.3; IPSDC: [A] 104.2.3, [A] 104.2.3.1, [A] 104.2.3.2, [A] 104.2.3.3, [A] 104.2.3.4, 104.2.3.5, [A] 104.2.3.6.1, [A] 104.2.3.7, [A] 104.7.3; IPMC: [A] 105.2.2, [A] 105.2.2.1, [A] 105.2.2.2, [A] 105.2.2.3, [A] 105.2.2.4, [A] 105.2.2.5, [A] 105.2.2.5.1, [A] 105.2.2.6.1, [A] 105.2.2.7, [A] 105.6.3; ISPSC: [A] 104.2.3, [A] 104.2.3.1, [A] 104.2.3.2, [A] 104.2.3.3, [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.6.1, [A] 104.2.3.7, [A] 104.7.3; IWUIC: [A] 104.2.2, [A] 104.2.2.1, [A] 104.2.2.2, [A] 104.2.2.3, [A] 104.2.2.4, [A] 104.2.2.5, [A] 104.2.2.5.1, [A] 104.2.2.6.1, [A] 104.2.2.7, [A] 104.7.3

Proponents: Kevin Scott, KH Scott & Associates LLC, representing self (khscottassoc@gmail.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 104.2.3 Alternative ~~materials, design and methods of construction and equipment~~method of compliance. The provisions of this code are not intended to prevent the installation or use of any material, system, design or equipment ~~to prohibit any design or method of construction~~ not specifically prescribed by this code, provided that any such alternative has been *approved*.

Exception: Performance-based alternative ~~materials, designs or methods of construction and equipment complying~~ method of compliance in accordance with the *International Code Council Performance Code*. This exception shall not apply to alternative structural materials or to alternative structural designs.

[A] 104.2.3.1 Approval authority. An alternative ~~material, design or~~ method of ~~construction~~compliance shall be *approved* where the *building official* finds that the proposed alternative is satisfactory and complies with Sections 104.2.3 through 104.2.3.7, as applicable.

[A] 104.2.3.2 Application and disposition. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the *building official* for approval. Where the alternative ~~material, design or~~ method of ~~construction~~compliance is not *approved*, the *building official* shall respond in writing, stating the reasons the alternative was not *approved*.

[A] 104.2.3.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~compliance shall comply with the intent of the provisions of this code.

[A] 104.2.3.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *building official*.

[A] 104.2.3.5.1 Fire Tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative ~~material, design or~~ method of ~~construction application~~compliance shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the *building official*.

[A] 104.2.3.6.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *building official* for the installation. The ~~alternate~~alternative ~~material, design or~~ method of ~~construction and product~~compliance evaluated shall be within the scope of the building official's recognition of the *approved agency*. Criteria used for the evaluation shall be identified within the report and, where required, provided to the *building official*.

[A] 104.2.3.7 Peer review. The *building official* is authorized to require submittal of a *peer review* ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~compliance, prepared by a peer reviewer that is *approved* by the *building official*.

[A] 104.7.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and equipment~~compliance in accordance with Section 104.2.3; modifications in accordance with Section 104.2.4; and documentation of the final decision of the *building official* for either shall be in writing and shall be retained in the official records.

2024 International Existing Building Code

Revise as follows:

[A] 104.2.3 Alternative ~~materials, design and~~ methods of ~~construction, and equipment~~compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative is not specifically prohibited by this code and has been *approved*.

Exception: Performance-based alternative ~~materials, designs or~~ methods of ~~construction and equipment~~compliance complying with the *ICC Performance Code*. This exception shall not apply to alternative structural materials or to alternative structural designs.

[A] 104.2.3.1 Approval authority. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall be *approved* where the *code official* finds that the proposed alternative is satisfactory and complies with Sections 104.2.3.2 through 104.2.3.7, as applicable.

[A] 104.2.3.2 Application and disposition. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the *code official* for approval. Where the alternative ~~material, design or~~ method of ~~construction~~ compliance is not *approved*, the *code official* shall respond in writing, stating the reasons the alternative was not *approved*.

[A] 104.2.3.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~compliance shall comply with the intent of the provisions of this code.

[A] 104.2.3.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction~~ compliance application shall be of a scale that is sufficient to predict performance of the end use configuration. Such tests shall be performed by a party acceptable to the *code official*.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative ~~material, design or~~ method of ~~construction application~~compliance shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

[A] 104.2.3.6.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency,* and use of the evaluation report shall require approval by the *code official* for the installation. The ~~alternate material, design or method of construction and product~~alternative method of compliance evaluated shall be within the scope of the code official's recognition of the *approved agency.* Criteria used for the evaluation shall be identified within the report and, where required, provided to the *code official*.

[A] 104.2.3.7 Peer review. The *code official* is authorized to require submittal of a *peer review* ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~compliance, prepared by a peer reviewer that is *approved* by the *code official*.

[A] 104.7.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction~~compliance and equipment in accordance with Section 104.2.3; modifications in accordance with Section 104.2.4; and documentation of the final decision of the *code official* for either shall be in writing and shall be retained in the official records.

2024 International Fire Code

Revise as follows:

[A] 104.2.3 Alternative ~~materials, design and~~ methods of ~~construction and equipment~~compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved* .

Exception: Performance-based alternative ~~materials, designs or~~ methods of ~~construction and equipment~~compliance complying with the *International Code Council Performance Code*.

[A] 104.2.3.1 Approval authority. An alternative ~~material, design or~~ method of ~~construction~~compliance shall be *approved* where the *fire code official* finds that the proposed alternative is satisfactory and complies with Sections 104.2.3.2 through 104.2.3.7, as applicable.

[A] 104.2.3.2 Application and disposition. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the *fire code official* for approval. Where the alternative ~~material, design or~~ method of ~~construction~~compliance is not *approved*, the *fire code official* shall respond in writing, stating the reasons the alternative was not *approved*.

[A] 104.2.3.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~compliance shall comply with the intent of the provisions of this code.

[A] 104.2.3.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *fire code official*.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the *fire code official*.

[A] 104.2.3.6.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *fire code official* for the installation. The ~~alternate material, design or method of construction and product~~ alternative method of compliance evaluated shall be within the scope of the *fire code official's* recognition of the *approved agency*. Criteria used for the evaluation shall be identified within the report and, where required, provided to the *fire code official*.

[A] 104.2.3.7 Peer review. The *fire code official* is authorized to require submittal of a *peer review* ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~compliance, prepared by a peer reviewer that is *approved* by the *fire code official*.

[A] 104.7.4 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and equipment~~ compliance in accordance with Section 104.2.3; modifications in accordance with Section 104.2.4; and documentation of the final decision of the *fire code official* for either shall be in writing and shall be retained in the official records.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.2.3 Alternative ~~materials, design and~~ methods of ~~construction and equipment~~compliance.. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative is not specifically prohibited by this code and has been *approved*.

Exception: Performance-based alternative ~~materials, designs or~~ methods of ~~construction and *equipment*~~ compliance complying with the *International Code Council Performance Code*.

[A] 104.2.3.1 Approval authority~~.~~. An alternative ~~material, design or~~ method of ~~construction~~compliance shall be *approved* where the *code official* finds that the proposed alternative is satisfactory and complies with Sections 104.2.3 through 104.2.3.7, as applicable.

[A] 104.2.3.2 Application and disposition.. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the *code official* for approval. Where the alternative ~~material, design or~~ method of ~~construction~~ compliance is not *approved*, the *code official* shall respond in writing, stating the reasons the alternative was not *approved*.

[A] 104.2.3.3 Compliance with code intent~~.~~. An alternative ~~material, design or~~ method of ~~construction~~compliance shall comply with the intent of the provisions of this code.

[A] 104.2.3.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

[A] 104.2.3.6.1 Evaluation reports~~.~~. Evaluation reports shall be issued by an *approved agency*, and use of the evaluation report shall require approval by the code official for the installation. The ~~alternate material, design or method of construction and product~~ alternative method of compliance evaluated shall be within the scope of the code official's recognition of the *approved agency*. Criteria used for the evaluation shall be identified within the report and, where required, provided to the *code official*.

[A] 104.2.3.7 Peer review~~.~~. The *code official* is authorized to require submittal of a *peer review* ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~compliance, prepared by a peer reviewer that is *approved* by the *code official*.

[A] 104.7.3 Code alternatives and modifications~~.~~. Application for alternative ~~materials, design and~~ methods of ~~construction and *equipment*~~ compliance in accordance with Section 104.2.3; modifications in accordance with Section 104.2.4; and documentation of the final decision of the *code official* for either shall be in writing and shall be retained in the official records.

2024 International Green Construction Code

Revise as follows:

104.2.5 Innovative approaches and alternative ~~materials, design, and~~ methods of ~~construction and equipment~~compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design, innovative approach or method of construction not specifically prescribed by this code, provided that any such alternative is not specifically prohibited by this code and has been approved.

104.2.5.1 Approval authority. An alternative ~~material, design, innovative approach or~~ method of ~~construction~~ compliance shall be approved where the authority having jurisdiction finds that the proposed alternative is satisfactory and complies with Sections 104.2.5 through 104.2.5.7, as applicable.

104.2.5.2 Application and disposition. Where required, a request to use an alternative ~~material, design, innovative approach or~~ method of ~~construction~~ compliance shall be submitted in writing to the authority having jurisdiction for approval. Where the alternative ~~material, design, innovative approach or~~ method of ~~construction~~ compliance is not approved, the authority having jurisdiction shall respond in writing, stating the reasons the alternative was not approved.

104.2.5.3 Compliance with code intent. An alternative ~~material, design, innovative approach or~~ method of ~~construction~~ compliance shall comply with the intent of the provisions of this code.

104.2.5.4 Equivalency criteria. An alternative ~~material, design, innovative approach or~~ method of ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

104.2.5.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the authority having jurisdiction.

104.2.5.6.1 Evaluation reports. Evaluation reports shall be issued by an approved agency, and use of the evaluation report shall require approval by the code official for the installation. The ~~alternate material, design or method of construction and product~~ alternative method of compliance evaluated shall be within the scope of the code official's recognition of the approved agency. Criteria used for the evaluation shall be identified within the report and, where required, provided to the code official.

104.2.5.7 Peer review. The authority having jurisdiction is authorized to require submittal of a peer review ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance, prepared by a peer reviewer that is approved by the authority having jurisdiction.

104.8.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and equipment~~ compliance in accordance with Section 104.2.5; modifications in accordance with Section 104.2.6; and documentation of the final decision of the authority having jurisdiction for either shall be in writing and shall be retained in the official records.

2024 International Mechanical Code

Revise as follows:

104.2.3 Alternative ~~materials, design and~~ methods of ~~construction and equipment~~compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved* .

Exception: Performance-based alternative ~~materials, designs or~~ methods of ~~construction and equipment~~ compliance complying with the International Code Council Performance Code.

[A] 104.2.3.1 Approval authority. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall be *approved* where the code official finds that the proposed alternative is satisfactory and complies with Sections 104.2.3 through 104.2.3.7, as applicable.

[A] 104.2.3.2 Application and disposition. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the code official for approval. Where the alternative ~~material, design or~~ method of ~~construction~~ compliance is not *approved*, the code official shall respond in writing, stating the reasons the alternative was not *approved*.

[A] 104.2.3.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall comply with the intent of the provisions of this code.

[A] 104.2.3.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

104.2.3.6.1 Evalutaion reports. Evaluation reports shall be issued by an *approved* agency, and use of the evaluation report shall require approval by the code official for the installation. The ~~alternate material, design or method of construction and product~~ alternative method of compliance evaluated shall be within the scope of the code official's recognition of the *approved* agency. Criteria used for the evaluation shall be identified within the report and, where required, provided to the code official.

104.2.3.7 Peer review. The code official is authorized to require submittal of a peer review ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance, prepared by a peer reviewer that is *approved* by the code official.

104.7.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and *equipment*~~ compliance in accordance with Section 104.2.3; modifications in accordance with Section 104.2.4; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records.

2024 International Plumbing Code

Revise as follows:

[A] 104.2.3 Alternative ~~materials, design and~~ methods of ~~construction and equipment~~compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative is not specifically prohibited by this code and has been *approved*.

Exception: Performance-based alternative ~~materials, designs or~~ methods of ~~construction and equipment~~ compliance complying with the *International Code Council Performance Code*.

[A] 104.2.3.1 Approval authority. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall be *approved* where the code official finds that the proposed alternative is satisfactory and complies with Sections 104.2.3 through 104.2.3.7, as applicable.

[A] 104.2.3.2 Application and disposition.~~.~~ Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the code official for approval. Where the alternative ~~material, design or~~ method of ~~construction~~ compliance is not *approved*, the code official shall respond in writing, stating the reasons the alternative was not *approved*.

[A] 104.2.3.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall comply with the intent of the provisions of this code.

[A] 104.2.3.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 104.2.3.6.1 Evaluation reports~~.~~. Evaluation reports shall be issued by an *approved* agency, and use of the evaluation report shall require approval by the code official for the installation. The alternate ~~material, design or~~ method of ~~construction and product~~ compliance evaluated shall be within the scope of the code official's recognition of the *approved* agency. Criteria used for the evaluation shall be identified within the report and, where required, provided to the code official.

[A] 104.2.3.7 Peer review. The code official is authorized to require submittal of a peer review ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance, prepared by a peer reviewer that is *approved* by the code official.

[A] 104.7.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and equipment~~ compliance in accordance with Section 104.2.3; modifications in accordance with Section 104.2.4; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.2.3 Alternative ~~materials, design and~~ methods of ~~construction and equipment~~compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative is not specifically prohibited by this code and has been approved.

Exception: Performance-based alternative ~~materials, designs or~~ methods of ~~construction and equipment~~ compliance complying with the International Code Council Performance Code.

[A] 104.2.3.1 Approval authority. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall be approved where the code official finds that the proposed alternative is satisfactory and complies with Sections 104.2.3 through 104.2.3.7, as applicable.

[A] 104.2.3.2 Application and disposition. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the code official for approval. Where the alternative ~~material, design or~~ method of ~~construction~~ compliance is not approved, the code official shall respond in writing, stating the reasons the alternative was not approved.

[A] 104.2.3.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall comply with the intent of the provisions of this code.

[A] 104.2.3.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 104.2.3.6.1 Evaluation reports. Evaluation reports shall be issued by an approved agency and use of the evaluation report shall require approval by the code official for the installation. The ~~alternate material, design or method of construction and product~~ alternative method of compliance evaluated shall be within the scope of the code official's recognition of the approved agency. Criteria used for the evaluation shall be identified within the report and, where required, provided to the code official.

[A] 104.2.3.7 Peer review. The code official is authorized to require submittal of a peer review ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance, prepared by a peer reviewer that is approved by the code official.

[A] 104.7.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and equipment~~ compliance in accordance with Section 104.2.3; modifications in accordance with Section 104.2.4; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.2.2 Alternative ~~materials, design and~~ methods of ~~construction and equipment~~compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative is not specifically prohibited by this code and has been *approved*.

Exception: Performance-based alternative ~~materials, designs or~~ methods of ~~construction and equipment~~ compliance complying with the *International Code Council Performance Code*.

[A] 105.2.2.1 Approval authority. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall be approved where the code official finds that the proposed alternative is satisfactory and complies with Sections 105.2.2 through 105.2.2.7, as applicable.

[A] 105.2.2.2 Application and disposition. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the code official for approval. Where the alternative ~~material, design or~~ method of ~~construction~~ compliance is not approved, the code official shall respond in writing, stating the reasons the alternative was not approved.

[A] 105.2.2.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall comply with the intent of the provisions of this code.

[A] 105.2.2.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 105.2.2.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 105.2.2.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the building official.

[A] 105.2.2.6.1 Evaluation reports. Evaluation reports shall be issued by an approved agency and use of the evaluation report shall require approval by the code official for the installation. The alternate ~~material, design or~~ method of ~~construction and product~~ compliance evaluated shall be within the scope of the code official's recognition of the approved agency. Criteria used for the evaluation shall be identified within the report and, where required, provided to the code official.

[A] 105.2.2.7 Peer review. The code official is authorized to require submittal of a peer review ~~report~~ in con-junction with a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance, prepared by a peer reviewer that is approved by the code official.

[A] 105.6.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and equipment~~ compliance in accordance with Section 105.2.2; modifications in accordance with Section 105.2.3; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.2.3 Alternative ~~materials, design and~~ methods of ~~construction and equipment~~compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative is not specifically prohibited by this code and has been approved.

Exception: Performance-based alternative ~~materials, designs or~~ methods of ~~construction and equipment~~ compliance complying with the *International Code Council Performance Code*.

[A] 104.2.3.1 Approval authority. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall be approved where the code official finds that the proposed alternative is satisfactory and complies with Sections 104.2.3 through 104.2.3.7, as applicable.

[A] 104.2.3.2 Application and disposition. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the code official for approval. Where the alternative material, design or method of construction is not approved, the code official shall respond in writing, stating the reasons the alternative was not approved.

[A] 104.2.3.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall comply with the intent of the provisions of this code.

[A] 104.2.3.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 104.2.3.6.1 Evaluation reports. Evaluation reports shall be issued by an approved agency and use of the evaluation report shall require approval by the code official for the installation. The ~~alternate material, design or method of construction and product~~ alternative method of compliance evaluated shall be within the scope of the code official's recognition of the approved agency. Criteria used for the evaluation shall be identified within the report and, where required, provided to the code official.

[A] 104.2.3.7 Peer review. The code official is authorized to require submittal of a peer review ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance, prepared by a peer reviewer that is approved by the code official.

[A] 104.7.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and equipment~~ compliance in accordance with Section 104.2.3; modifications in accordance with Section 104.2.4; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.2.2 Alternative ~~materials, design and~~ methods of compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*.

[A] 104.2.2.1 Approval authority. An alternative ~~material, design or~~ method of compliance shall be approved where the *code official* finds that the proposed alternative is satisfactory and complies with Sections 104.2.2.2 through 104.2.2.7, as applicable.

[A] 104.2.2.2 Application and disposition. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the *code official* for approval. Where the alternative ~~material, design or~~ method of ~~construction~~ compliance is not approved, the *code official* shall respond in writing, stating the reasons the alternative was not approved.

[A] 104.2.2.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall comply with the intent of the provisions of this code.

[A] 104.2.2.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.2.5 Tests~~.~~. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

[A] 104.2.2.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 104.2.2.6.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the code official for the installation. The ~~alternate material, design or method of construction and product~~alternative method of compliance evaluated shall be within the scope of the code official's recognition of the *approved agency*. Criteria used for the evaluation shall be identified within the report and, where required, provided to the code official.

[A] 104.2.2.7 Peer review. The *code official* is authorized to require submittal of a peer review ~~report~~ in conjunction with a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance, prepared by a peer reviewer that is approved by the *code official*.

[A] 104.7.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and equipment~~ compliance in accordance with Section 104.2.2; modifications in accordance with Section 104.2.3; and documentation of the final decision of the *code official* for either shall be in writing and shall be retained in the official records.

ADM15-25 Part I

ADM15-25 Part II

IRC: R104.2.2, R104.2.2.1, R104.2.2.2, R104.2.2.3, R104.2.2.4, R104.2.2.5, R104.2.2.6.1, R104.7.3

Proponents: Kevin Scott, KH Scott & Associates LLC, representing self (khscottassoc@gmail.com)

2024 International Residential Code

Revise as follows:

R104.2.2 Alternative ~~materials, design and~~ methods of ~~construction and equipment~~compliance. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved.

R104.2.2.1 Approval authority. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall be approved where the *building official* finds that the proposed alternative is satisfactory and complies with Sections R104.2.2 through R104.2.2.6.2, as applicable.

R104.2.2.2 Application and disposition. Where required, a request to use an alternative ~~material, design or~~ method of ~~construction~~ compliance shall be submitted in writing to the *building official* for approval. Where the ~~alterna-tive material, design or~~ alternative method of ~~construction~~ compliance is not *approved*, the *building official* shall respond in writing, stating the reasons the alternative was not approved.

R104.2.2.3 Compliance with code intent. An alternative ~~material, design or~~ method of ~~construction~~ compliance shall comply with the intent of the provisions of this code.

R104.2.2.4 Equivalency criteria. An alternative ~~material, design or~~ method of ~~construction~~ compliance ~~construction~~ compliance shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

R104.2.2.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative ~~material, design or~~ method of ~~construction application~~ compliance shall be of a scale that is sufficient to predict performance of the end use configuration. Such tests shall be performed by a party acceptable to the *building official*.

R104.2.2.6.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *building official* for the installation. The alternate ~~material, design or~~ method of ~~construction and product~~ compliance evaluated shall be within the scope of the *building official*'s recognition of the *approved agency*. Criteria used for the evaluation shall be identified within the report and, where required, provided to the *building official*.

R104.7.3 Code alternatives and modifications. Application for alternative ~~materials, design and~~ methods of ~~construction and equipment~~ compliance in accordance with Section R104.2.2; modifications in accordance with Section R104.2.3; and documentation of the final decision of the *building official* for either shall be in writing and shall be retained in the official records.

Reason: Throughout the various I-Codes, the concept of alternative methods and materials is allowed and guidance is provided. However, the terminology is different in several of the codes. This proposal is intended to clean up action taken in ADM13-22 and

ADM14-22 which revised these sections and provide for a single term across all of the codes. The term proposed is “alternative method of compliance.”

The concept of alternative methods is not altered, and the term compliance provides for anything referenced in the codes. Some of the codes used the title “alternative materials or methods of construction”, other used “alternative materials, design and methods of construction and equipment.” Even throughout a single code the terms are not consistent.

The terms used to address this process had become a list of items. The problem with lists is that something is invariably left out. The word “compliance” includes materials, construction methods, equipment, appliances, fixtures, installation methods, design, storage and methods of operation. In other words, any proposed alternative which is not in strict conformance with the code requirements.

This proposal is almost editorial in that it replaces a term with a revised term. The new term is all encompassing because it includes anything regulated in any of the codes.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This is an editorial change to the name of Alternative Methods of Compliance.

ADM15-25 Part II

ADM16-25 Part I

IBC: [A] 104.2.1; IEBC: [A] 104.2.1; IFC: [A] 104.2.1; IFGC: [A] 104.2.1; IGCC: 104.2.1; IMC®: [A] 104.2.1; IPC: [A] 104.2.1; IPSDC: [A] 104.2.1; ISPSC: [A] 104.2.1

Proponents: Scott Brody, representing Self (sbrody96@gmail.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 104.2.1 Listed compliance. Where this code or a referenced standard requires equipment, materials, products or services to be listed and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on an *approved* listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the *building official*.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved*.

2024 International Existing Building Code

Revise as follows:

[A] 104.2.1 Listed compliance. Where this code or a referenced standard requires equipment, materials, products or services to be *listed* and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on an *approved* listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the *code official*.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved*.

2024 International Fire Code

Revise as follows:

[A] 104.2.1 Listed compliance. Where this code or a referenced standard requires equipment, materials, products or services to be listed and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on an approved listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the *fire code official*.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved*.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.2.1 Listed compliance. Where this code or a referenced standard requires *equipment*, materials, products or services to be listed and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on an *approved* listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be

in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the *code official*.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved.*

2024 International Green Construction Code

Revise as follows:

104.2.1 Listed compliance. Where this code or a referenced standard requires equipment, materials, products or services to be listed and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on approved listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the code official.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved.*

2024 International Mechanical Code

Revise as follows:

[A] 104.2.1 Listed compliance. Where this code or a referenced standard requires *equipment*, materials, products or services to be *listed* and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on an *approved* listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the code official.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved.*

2024 International Plumbing Code

Revise as follows:

[A] 104.2.1 Listed compliance. Where this code or a referenced standard requires equipment, materials, products or services to be listed and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on an approved listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the code official.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved.*

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.2.1 Listed compliance.. Where this code or a referenced standard requires equipment, materials, products or services to be listed and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on an approved listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the code official.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved.*

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.2.1 Listed compliance. Where this code or a referenced standard requires equipment, materials, products or services to be listed and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on an approved listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the code official.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved.*

ADM16-25 Part I

ADM16-25 Part II

IRC: R104.2.1

Proponents: Scott Brody, representing Self (sbrody96@gmail.com)

2024 International Residential Code

Revise as follows:

R104.2.1 Listed compliance.. Where this code or a referenced standard requires equipment, materials, products or services to be *listed* and a listing standard is specified, the listing shall be based on the specified standard. Where a listing standard is not specified, the listing shall be based on an *approved* listing criteria. Listings shall be germane to the provision requiring the listing. Installation shall be in accordance with the listing and the manufacturer's instructions, and where required to verify compliance, the listing standard and manufacturer's instructions shall be made available to the *building official*.

Exemption: Other standards and conformity assessment listings shall be permitted to be accepted in lieu of those referenced in this code, provided such alternatives comply with the intent of this code, including its minimum levels of protection, and are *approved.*

Reason: The current code passages lack flexibility to permit alternative standards.

This harms consumers because it limits the market of goods which can be used to conform to the code.

Inflexibility also can harm safety.

For example, in the fire profession, there has been a great deal of helmet innovation in Europe. The European helmet shape reduces the risk of head injury in a fall. If only items listed to US standards are allowed, it blocks innovative products from arriving domestically. Very ridged rules can even harm domestic standard developers if it makes it harder to test foreign standards domestically, thus leaving insufficient data to see if our standards should be changed.

Similar problems exist with US standards and sustainability. Windows and doors tested to US standards are often leakier than their counterparts tested to European standards. This largely owes to Europe having stricter energy efficiency regulations than the US.

The proposed change can be considered conservative because the alternative standards still must meet the intent of these codes, including minimum level of protection. Also, alternative standards require approval.

There are legal issues with the current inflexibility.

1) Only allowing referenced standards, many of which have signed agreements to be available for ICC subscription members, raises tying liability. Tying is an antitrust issue which entails one good being linked to the sale of other goods. Standard developers are partly exempt from anti-trust claims per the Standards Development Organization Advancement Act of 2004. However, as noted by the US Justice Department: "Standards development... is not without antitrust risk, and the Antitrust Division has a strong interest in ensuring that the standard-setting process remains procompetitive."

2) The current wording is inconsistent with the World Trade Organization's Technical Barriers to Trade Agreement. Article 2.7 states:

Members shall give positive consideration to accepting as equivalent technical regulations of other Members, even if these regulations differ from their own, provided they are satisfied that these regulations adequately fulfil the objectives of their own regulations.

Further Article 6.1 states:

Without prejudice to the provisions of paragraphs 3 and 4, Members shall ensure, whenever possible, that results of conformity assessment procedures in other Members are accepted, even when those procedures differ from their own, provided they are satisfied that those procedures offer an assurance of conformity with applicable technical regulations or standards equivalent to their own procedures. It is recognized that prior consultations may be necessary in order to arrive at a mutually satisfactory understanding...

ICC Code Council CP#49 requires US codes be consistent with US and International Law. The disallowance of foreign equivalent standards appears at face a violation of the WTO TBT Agreement, and thus violates international law because the US is a party to such. It is also inconsistent with ICC objectives to make the codes as internationally applicable as possible. For example, in some parts of the world, it can be difficult to find products listed to the US-centric conformity assessments. This is especially true in places with different electrical voltage. Providing more flexibility regarding equivalence determinations will make the I-codes better suited for global adoption.

Bibliography: Agreement on Technical Barriers to Trade. World Trade Organization. 1994. https://www.wto.org/english/docs_e/legal_e/17-tbt_e.htm
Standards Development and Organization Act of 2004. 15 U.S.C. §§ 4301-4306. Available online: https://www.ftc.gov/legal-library/browse/statutes/standards-development-organization-act-2004
U.S. Department of Justice Antitrust Division Comments on the U.S. Standards Strategy September 8, 2020. https://www.justice.gov/media/1091331/dl?inline
Why Is Architecture and Building So Different in Europe? Eliason, M. Treehugger. 2022. https://www.treehugger.com/why-architecture-and-building-so-different-europe-4856473

Cost Impact: Decrease

Estimated Immediate Cost Impact:

$0

Estimated Immediate Cost Impact Justification (methodology and variables):

To the extent that it will result in cost changes, costs would be expected to mostly go down both from direct importation and domestic manufacturers having to lower their prices when faced with increased competition. There are too many different products the rule could apply to pinpoint a dollar value.

Estimated Life Cycle Cost Impact:

The life cycle costs would generally be cheaper if it becomes easier to use goods listed to other standards (i.e. ISO, CEN) under the ICC prescriptive codes. Many times, there are far more products tested using other standards versus the US standards alone.

Estimated Life Cycle Cost Impact Justification (methodology and variables):

Life cycle costs might also go slightly down if it is easier to find replacement parts conforming to approved international standards.

ADM16-25 Part II

ADM17-25 Part I

IBC: [A] 104.2.3.4; IEBC: [A] 104.2.3.4; IFC: [A] 104.2.3.4; IFGC: [A] 104.2.3.4; IGCC: 104.2.5.4; IMC®: [A] 104.2.3.4; IPC: [A] 104.2.3.4; IPSDC: [A] 104.2.3.4; IPMC: [A] 105.2.2.4; ISPSC: [A] 104.2.3.4; IWUIC: [A] 104.2.2.4

Proponents: Scott Brody, representing self (sbrody96@gmail.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Existing Building Code

Revise as follows:

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Fire Code

Revise as follows:

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.

3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Green Construction Code

Revise as follows:

104.2.5.4 Equivalency criteria. An alternative material, design, innovative approach or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Mechanical Code

Revise as follows:

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.

3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Plumbing Code

Revise as follows:

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.2.2.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.

3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.2.2.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

ADM17-25 Part I

ADM17-25 Part II

IRC: R104.2.2.4

Proponents: Scott Brody, representing self (sbrody96@gmail.com)

2024 International Residential Code

Revise as follows:

R104.2.2.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.
7. Energy efficiency.

Reason: This code change adds energy efficiency to an existing list of items that must be considered for approval of an equivalency. This list appears across almost all the I-codes, including the International Green Construction Code. Hence, I made the edit uniformly across all codes with the passage.

It does not make sense why the Green Construction Code would list other things like fire safety as needing to be equivalent, but not energy performance. Isn't energy performance the main point of this code? The gap in rules might allow approvals of items under the equivalency section which have inferior energy performance, thus harming homeowners. For example, an exterior door which meets fire and other safety/quality metrics, but leaks heat due to poor seal. Thus, homeowners are left with higher heating and cooling costs.

The existing passages' mention of many other items in equivalency assessment, but not energy efficiency, also creates the perception that energy efficiency is not important. This makes the current language problematic in terms of tone/messaging, irrespective of if there are other authorities a code official could cite to legally address energy performance problems. Many people care about the environment, and consumer protection from flawed construction like leaky windows. Code officials should not make these matters second-class concerns.

Bibliography: See sources in cost impact study

Cost Impact: Increase

Estimated Immediate Cost Impact:

This change is partly editorial. I say that because it appears to be a loophole where other matters are listed in the equivalency assessment process, but not energy efficiency. There is a possibility the code official would still cite other matters to block non-efficient goods being installed, in which case cost change would be zero. But this is not guaranteed.

If this change does prevent installation of some less efficient items, the cost would vary depending on the item. There are a seemingly infinite variety of products which could be impacted by having to be equivalent to the existing code's efficiency benchmarks. To provide an example of costs, the website Angy (Formerly Angies List) reports it typically adds around $200 per window to the starting cost to install a double vs single pane of glass. Costs increase at a slightly higher rate between 2 and 3 panes of glass. These construction costs may partly be recuperable via tax breaks and increased home resale value.

Estimated Immediate Cost Impact Justification (methodology and variables):

For construction costs in example, see *How Much Do Energy-Efficient Windows Cost?* [2025 Data].
Angie: https://www.angi.com/articles/energy-efficient-windows-cost.htm

Estimated Life Cycle Cost Impact:

According to a study in the peer-reviewed journal Energy and Buildings, the cost of energy efficiency upgrades in Passive Houses can generally be recovered in 16-28 years. The International Green Construction Code is not as stringent as the Passive House standard, so its constriction costs, and benefits, would not generally be as high. Nonetheless, it can generally be expected that energy efficiency costs can be recuperated over time.

The Environmental Protection Agency also offers Rule of Thumb costs for various energy efficient items.

Estimated Life Cycle Cost Impact Justification (methodology and variables):

See: *A life-cycle cost analysis of the passive house "POLITEHNICA" from Bucharest.* By Badina et al, 2014. https://www.sciencedirect.com/science/article/abs/pii/S0378778814003703
See also: Rules of Thumb. US Environmental Protection Agency. State and Local Climate and Energy Program. 2016. https://www.epa.gov/sites/default/files/2016-03/documents/table_rules_of_thumb.pdf

ADM17-25 Part II

ADM18-25 Part I

IBC: [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, 104.2.3.5.2 (New); IEBC: [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, 104.2.3.5.2 (New); IFC: [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, 104.2.3.5.2 (New); IFGC: [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, 104.2.3.5.2 (New); IMC®: [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, 104.2.3.5.2 (New); IPC: [A] 104.2.3.4, [A] 104.2.3.5, [A] 104.2.3.5.1, 104.2.3.5.2 (New); IPMC: [A] 105.2.2.4, [A] 105.2.2.5, [A] 105.2.2.5.1, 105.2.2.5.2 (New); IWUIC: [A] 104.2.2.4, [A] 104.2.2.5, [A] 104.2.2.5.1, 104.2.2.5.2 (New)

Proponents: Marcelo Hirschler, representing GBH International (mmh@gbhint.com)

2024 International Building Code

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *building official*.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the *building official*.

Add new text as follows:

104.2.3.5.2 Fire test properties. The fire tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall address the relevant fire properties being evaluated in the code section for which the alternative material, design, or method of construction is being proposed.

2024 International Existing Building Code

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction

application shall be of a scale that is sufficient to predict performance of the end use configuration. Such tests shall be performed by a party acceptable to the *code official*.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official* .

Add new text as follows:

104.2.3.5.2 Fire test properties. The fire tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall address the relevant fire properties being evaluated in the code section for which the alternative material, design, or method of construction is being proposed.

2024 International Fire Code

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *fire code official*.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the *fire code official* .

Add new text as follows:

104.2.3.5.2 Fire test properties. The fire tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall address the relevant fire properties being evaluated in the code section for which the alternative material, design, or method of construction is being proposed.

2024 International Fuel Gas Code

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.

5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

Add new text as follows:

104.2.3.5.2 Fire test properties. The fire tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall address the relevant fire properties being evaluated in the code section for which the alternative material, design, or method of construction is being proposed.

2024 International Mechanical Code

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

Add new text as follows:

104.2.3.5.2 Fire test properties. The fire tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall address the relevant fire properties being evaluated in the code section for which the alternative material, design, or method of construction is being proposed.

2024 International Plumbing Code

[A] 104.2.3.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.3.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 104.2.3.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

Add new text as follows:

104.2.3.5.2 Fire test properties. The fire tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall address the relevant fire properties being evaluated in the code section for which the alternative material, design, or method of construction is being proposed.

2024 International Property Maintenance Code

[A] 105.2.2.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 105.2.2.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

[A] 105.2.2.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the building official.

Add new text as follows:

105.2.2.5.2 Fire test properties. The fire tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall address the relevant fire properties being evaluated in the code section for which the alternative material, design, or method of construction is being proposed.

[A] 104.2.2.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all of the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

[A] 104.2.2.5 Tests. . Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

[A] 104.2.2.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

Add new text as follows:

104.2.2.5.2 Fire test properties. The fire tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall address the relevant fire properties being evaluated in the code section for which the alternative material, design, or method of construction is being proposed.

Reason: Fire safety is a broad concept that covers a large number of fire properties, including ignitability, flame spread, heat release, smoke release, and fire resistance ratings. It is important that the alternative being approved addresses the fire property (or fire properties) being addressed in the relevant code section.

Until the 2024 editions of the ICC codes the issue of fire safety was simply being addressed in these sections by referencing "fire resistance", which was intended to be a surrogate for all fire properties. It became clear at the cycle developing the 2024 I codes that a replacement material could exhibit (for example) the same fire resistance rating as the material being replaced (namely, for example, a fire resistance rating of zero hours) but exhibit much worse fire performance in terms of flame spread. In such a case the replacement material should not be considered a suitable equivalent but the wording in the code could make it difficult for the AHJ to apply the correct logic. That has been correctly fixed in the 2024 I codes.

It is very likely that the AHJ is already aware that this is a potential concern but it is important to have it explicitly in the code.

The existing sections that state that "fire safety" needs to be specifically considered and that the fire tests need to be of the appropriate scale are very important but do not address the potential of alternate fire properties being addressed by the proposed equivalent.

The following are four silly examples of an incorrect equivalent substitution.

1.When a roofing assembly meeting a Class A in accordance with ASTM E108 or UL 790 is required and the "equivalent" product is shown to meet a Class A in accordance wit ASTM E84 or UL 723.

2. When a fire resistance rating of 2 hours in accordance with ASTM E1529 is required and the "equivalent" product is shown to exhibit a fire resistance rating of 2 hours in accordance with ASTM E119.

3. When a flame spread index of Class A (25 or less) in accordance with ASTM E84 or UL 723 is required and the "equivalent" product is shown to exhibit a self-ignition temperature of 650°F (343°C) or greater in accordance with ASTM D1929.

4. When a peak heat release of not exceeding 400 kW/ m^2 when tested in accordance with ASTM E1354 at an incident heat flux of 50 kW/m^2 is required and the "equivalent" product is shown to comply with the fire propagation performance criteria contained in Test

Method 1 of NFPA 701.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This proposal addresses issues that the AHJ is (I am sure) already addressing but makes it explicit.

ADM18-25 Part I

ADM18-25 Part II

IRC: R104.2.2.4, R104.2.2.5, R104.2.2.5.1 (New), R104.2.2.5.2 (New)

Proponents: Marcelo Hirschler, representing GBH International (mmh@gbhint.com)

2024 International Residential Code

R104.2.2.4 Equivalency criteria. An alternative material, design or method of construction shall, for the purpose intended, be not less than the equivalent of that prescribed in this code with respect to all the following, as applicable:

1. Quality.
2. Strength.
3. Effectiveness.
4. Durability.
5. Safety, other than fire safety.
6. Fire safety.

R104.2.2.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict performance of the end use configuration. Such tests shall be performed by a party acceptable to the *building official*.

Add new text as follows:

R104.2.2.5.1 Fire Tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the *building official*.

R104.2.2.5.2 Fire Test Properties. The fire tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall address the relevant fire properties being evaluated in the code section for which the alternative material, design, or method of construction is being proposed.

Reason: Fire safety is a broad concept that covers a large number of fire properties, including ignitability, flame spread, heat release, smoke release, and fire resistance ratings. It is important that the alternative being approved addresses the fire property (or fire properties) being addressed in the relevant code section.

Until the 2024 editions of the ICC codes the issue of fire safety was simply being addressed in these sections by referencing "fire resistance", which was intended to be a surrogate for all fire properties. It became clear at the cycle developing the 2024 I codes that a replacement material could exhibit (for example) the same fire resistance rating as the material being replaced (namely, for example, a fire resistance rating of zero hours) but exhibit much worse fire performance in terms of flame spread. In such a case the replacement material should not be considered a suitable equivalent but the wording in the code could make it difficult for the AHJ to apply the correct logic. That has been correctly fixed in the 2024 I codes.

It is very likely that the AHJ is already aware that this is a potential concern but it is important to have it explicitly in the code.

The existing section 104.2.2.5 that states that "fire safety" needs to be specifically considered is very important because it highlights fire safety and goes beyond just :fire resistance". Other I codes have a section worded like the propose 104.2.2.5.1, specifically for fire tests, which explains that the fire tests need to be of the appropriate scale. That is a very important addition and it should be included in the IRC too. However, neither of those sections (the existing one in the IRC and the proposed one, from the other I codes) address the potential of alternate fire properties being addressed by the proposed equivalent.

The following are four silly examples of an incorrect equivalent substitution. Not all of them address specific IRC examples but the concepts apply.

1.When a roofing assembly meeting a Class A in accordance with ASTM E108 or UL 790 is required and the "equivalent" product is shown to meet a Class A in accordance wit ASTM E84 or UL 723.

2. When a fire resistance rating of 2 hours in accordance with ASTM E1529 is required and the "equivalent" product is shown to exhibit a fire resistance rating of 2 hours in accordance with ASTM E119.

3. When a flame spread index of Class A (25 or less) in accordance with ASTM E84 or UL 723 is required and the "equivalent" product is shown to exhibit a self-ignition temperature of 650°F (343°C) or greater in accordance with ASTM D1929.

4. When a peak heat release of not exceeding 400 kW/ m2 when tested in accordance with ASTM E1354 at an incident heat flux of 50 kW/m^2 is required and the "equivalent" product is shown to comply with the fire propagation performance criteria contained in Test Method 1 of NFPA 701.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This is something that the AHJ is probably already aware of but it is important to have it explicitly in the code.

ADM18-25 Part II

ADM19-25 Part I

IBC: [A] 104.2.3.6.2; IEBC: [A] 104.2.3.6.2; IFC: [A] 104.2.3.6.2; IFGC: [A] 104.2.3.6.2; IGCC: 104.2.5.6.2; IMC®: 104.2.3.6.2; IPC: [A] 104.2.3.6.2; IPSDC: [A] 104.2.3.6.2; IPMC: [A] 105.2.2.6.2; ISPSC: [A] 104.2.3.6.2; IWUIC: [A] 104.2.2.6.2

Proponents: Jack Butler, Butler & Butler, LLC, representing American Institute of Building Design (abutler@mpzero.com); Steven Mickley, representing American Institute of Building Design (steve.mickley@aibd.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 104.2.3.6.2 Other reports. Reports not complying with Section 104.2.3.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the *building official*. The *building official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a *registered design professional*.

2024 International Existing Building Code

Revise as follows:

[A] 104.2.3.6.2 Other reports. Reports not complying with Section 104.2.3.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization ~~acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Fire Code

Revise as follows:

[A] 104.2.3.6.2 Other reports. Reports not complying with Section 104.2.3.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization ~~acceptable to the *fire code official*. The *fire code official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a *registered design professional*.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.2.3.6.2 Other reports.. Reports not complying with Section 104.2.3.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a *registered design professional*.

2024 International Green Construction Code

Revise as follows:

104.2.5.6.2 Other reports. Reports not complying with Section 104.2.5.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the authority having jurisdiction. The authority having jurisdiction is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Mechanical Code

Revise as follows:

104.2.3.6.2 Other reports. Reports not complying with Section 104.2.3.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the code official. The code official is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a *registered design professional*.

2024 International Plumbing Code

Revise as follows:

[A] 104.2.3.6.2 Other reports. Reports not complying with Section 104.2.3.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the code official. The code official is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.2.3.6.2 Other reports.. Reports not complying with Section 104.2.3.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the code official. The code official is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.2.2.6.2 Other reports. Reports not complying with Section 105.2.2.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the building official. The building official is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.2.3.6.2 Other reports. Reports not complying with Section 104.2.3.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws

of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the code official. The code official is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a registered design professional.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.2.2.6.2 Other reports. Reports not complying with Section 104.2.3.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a *registered design professional*.

ADM19-25 Part I

ADM19-25 Part II

IRC: R104.2.2.6.2

Proponents: Jack Butler, Butler & Butler, LLC, representing American Institute of Building Design (abutler@mpzero.com); Steven Mickley, representing American Institute of Building Design (steve.mickley@aibd.org)

2024 International Residential Code

Revise as follows:

R104.2.2.6.2 Other reports. Reports not complying with Section R104.2.2.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. Where required by the laws of the *jurisdiction*, the ~~The~~ report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization ~~acceptable to the *building official*. The *building official* is authorized to require design submittals to be prepared by,~~ and bear the stamp of~~,~~ a *registered design professional.*

Reason: The laws of the jurisdiction regarding professional practice requirements should govern the qualifications required to prepare the related technical opinions and reports, not the building official's judgment. The test for whether the preparer is qualified to provide the documentation is established by the state and local regulations governing the practice of the applicable profession. A building official should not be put into a position where they must substitute their judgment to accept or reject the offered documentation when the preparer meets the requirements of those regulations, including any permitted exemptions.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The proposed modification makes the code section compliant with the laws of the jurisdiction by clarifying that the section does not supersede state and local laws governing professional practice. It also avoids placing the burden on the building official to decide when specific credentials are required.

ADM20-25

IBC: [A] 104.2.4, [A] 104.2.4.1 (New), [A] 104.2.4.2 (New), [A] 104.2.4.1; IEBC: [A] 104.2.4, [A] 104.2.4.1 (New), [A] 104.2.4.2 (New), [A] 104.2.4.1

Proponents: Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org); Robert Marshall, representing FCAC (fcac@iccsafe.org)

2024 International Building Code

Revise as follows:

[A] 104.2.4 Modifications. Where there are practical difficulties involved in carrying out the provisions of this code, the *building official* shall have the authority to grant modifications in accordance with Sections 104.2.4.1, 104.2.4.2 or 104.2.4.3~~for individual cases, provided that the *building official* shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, *accessibility*, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

[A] 104.2.4.1 Individual cases. The building official shall have the authority to grant modifications for individual cases, provided that the *building official* shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, *accessibility*, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety.

[A] 104.2.4.2 Natural disasters. In preparation for, during and after a natural disaster event, as determined by the building official, the building official shall have the authority to issue written policies, procedures or rules that modify this code as necessary to protect life and property. Such policies, procedures or rules shall be made available to the public and shall include start and end dates, which can be extended at the building official's discretion.

Revise as follows:

[A] ~~104.2.4.1~~ 104.2.4.3 Flood hazard areas. The *building official* shall not grant modifications to any provision required in *flood hazard areas* as established by Section 1612.3 unless a determination has been made that:

1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the *site* render the elevation standards of Section 1612 inappropriate.
2. A determination that failure to grant the variance would result in exceptional hardship by rendering the *lot* undevelopable.
3. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety or extraordinary public expense; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. A determination that the variance is the minimum necessary to afford relief, considering the *flood* hazard.
5. Submission to the applicant of written notice specifying the difference between the *design flood elevation* and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the *design flood elevation* increases risks to life and property.

2024 International Existing Building Code

[A] 104.2.4 Modifications. Where there are practical difficulties involved in carrying out the provisions of this code, the *code official* shall have the authority to grant modifications in accordance with Sections 104.2.4.1, 104.2.4.2 or 104.2.4.3.

~~for individual cases, provided that the *code official* shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety, or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety.~~

Add new text as follows:

[A] 104.2.4.1 Individual cases. The code official shall have the authority to grand modifications for individual cases, provided that the *code official* shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety, or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety.

[A] 104.2.4.2 Natural disasters. In preparation for, during and after a natural disaster event, as determined by the code official, the code official shall have the authority to issue written policies, procedures or rules that modify this code as necessary to protect life and property. Such policies, procedures or rules shall be made available to the public and shall include start and end dates, which can be extended at the code official's discretion.

Revise as follows:

[A] ~~104.2.4.1~~ 104.2.4.3 Flood hazard areas. For *existing buildings* located in *flood hazard areas* for which *repairs*, *alterations* and *additions* constitute *substantial improvement*, the *code official* shall not grant modifications to provisions related to flood resistance unless a determination is made that:

1. The applicant has presented good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render compliance with the flood-resistant construction provisions inappropriate.
2. Failure to grant the modification would result in exceptional hardship.
3. The granting of the modification will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. The modification is the minimum necessary to afford relief, considering the flood hazard.
5. A written notice will be provided to the applicant specifying, if applicable, the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation and that construction below the design flood elevation increases risks to life and property.

Reason: There is no change to the requirements in the first section. It is just split into two to match the format in the IFC.

The focus of this change is added the section for Natural Disasters. Emergencies have happened which demonstrate the need for granting the authority to allow, by policy, conditions that would otherwise constitute code violations. Buildings may be used for purposes other than what they were designed for. A school gymnasium being used for temporary housing for displaced victims of a flood. Over 200,000 people were relocated during the Kincade Fire in California in 2019. Buildings are utilized to handle the needs resulting from the emergency incident. For example, temporary housing is established, outdoor canopies are set up, portable toilets are utilized, electric power and heating is provided. These needs of the people need to be provided for, but many times strict compliance with the code is not possible. These revisions could allow temporary emergency shelters that may not fully meet code requirements for a congregate residential use.

These sections were added into the IFC in the 2022 code cycle. But it is not just fire code regulations that are affected when these emergencies occur. Therefore, this proposal adds these correlating provisions into the IBC so the fire code official and building official can work together to solve these problems that arise in emergency situations.

By adding text to the code that specifically addresses this concern, the building official will be guided to develop written documentation that should globally address special allowances that will be permitted during a disaster event.

This proposal is submitted by the ICC Building Code Action Committee (BCAC) and the ICC Fire Code Action Committee (FCAC). BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and 2024 the BCAC has held several virtual meetings open to any interested party. In addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the committee as well as interested parties. Related documents and reports are posted on the BCAC website at BCAC webpage.

FCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and early 2024 the FCAC has held several virtual meetings and one in-person meeting open to any interested party. In addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the committee as well as interested parties. Related documents and reports are posted on the FCAC Website

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

While this is not a change in construction requirements, by allowing for preplanning, this will most likely result in a recuction of cost. This will allow for a quicker response and for officials to work together, and averting additional costs.

ADM20-25

ADM21-25

IBC: [A] 104.2.4, [A] 104.2.4.1 (New), [A] 104.2.4.1; IFC: 104.2.4, 104.2.4.1, 104.2.4.2

Proponents: Kevin Scott, KH Scott & Associates LLC, representing self (khscottassoc@gmail.com)

2024 International Building Code

Revise as follows:

[A] 104.2.4 Modifications. Where there are practical difficulties involved in carrying out the provisions of this code, the *building official* shall have the authority to grant modifications in accordance with Sections 104.2.4.1, 104.2.4.2 or 104.2.4.3. ~~for individual cases, provided that the *building official* shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, *accessibility*, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety.~~

Add new text as follows:

[A] 104.2.4.1 Individual cases. The *building official* shall have the authority to grant modifications for individual cases, provided that the *building official* shall first find that special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code, and that such modification does not lessen health, accessibility, life and fire safety or structural requirements. Details of the written request for and action granting modifications shall be in writing and maintained in the files of the department of building safety.

[A] 104.2.4.1 Natural disasters. In preparation for, during and after a natural disaster event, as determined by the *building official*, the *building official* shall have the authority to issue written policies, procedures or rules that modify this code as necessary to protect life and property. Such policies, procedures or rules shall be made available to the public and shall include start and end dates, which can be extended at the *building official's* discretion.

Revise as follows:

[A] ~~104.2.4.1~~ 104.2.4.3 Flood hazard areas. The *building official* shall not grant modifications to any provision required in *flood hazard areas* as established by Section 1612.3 unless a determination has been made that:

1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the *site* render the elevation standards of Section 1612 inappropriate.
2. A determination that failure to grant the variance would result in exceptional hardship by rendering the *lot* undevelopable.
3. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety or extraordinary public expense; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. A determination that the variance is the minimum necessary to afford relief, considering the *flood* hazard.
5. Submission to the applicant of written notice specifying the difference between the *design flood elevation* and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the *design flood elevation* increases risks to life and property.

2024 International Fire Code

[A] 104.2.4 Modifications. Where there are practical difficulties involved in carrying out the provisions of this code, the *fire code official* shall have the authority to grant modifications in accordance with Section 104.2.4.1 or 104.2.4.2.

Revise as follows:

[A] 104.2.4.1 Individual cases. The *fire code official* shall have the authority to grant modifications for individual cases, provided that the *fire code official* shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, life and fire safety requirements. ~~The details~~Details of the request for and action granting modifications shall be ~~recorded and entered~~ in writing and maintained in the files of the code compliance agency.

[A] 104.2.4.2 Natural disasters. In preparation for, during and after a natural disaster event, as determined by the *fire code official*, the *fire code official* shall have the authority to issue written policies, procedures or rules that modify this code as necessary to protect life and property. Such policies, procedures or rules shall be made available to the public and shall include start and end dates, which can be extended at the *fire code official ' s* discretion.

Reason: This proposal correlates the IFC and IBC regarding modifications to the code. IFC Section 104.2.4 was revised in the 2022 code cycle and the sections for individual cases and natural disasters were created. But it is not just fire code regulations which can be affected when these emergencies occur. Therefore, this proposal adds these correlating provisions into the IBC so the fire code official and building official can work together to solve these problems that arise in preparation for and during natural disasters.

Emergencies have occurred which demonstrate the need for granting the authority to allow, by policy, conditions that would otherwise constitute code violations. Buildings may be used for purposes other than what they were designed for. A school gymnasium being used for temporary housing for displaced victims of a flood. Over 200,000 people were relocated during the Kincade Fire in California in 2019. Buildings are utilized to handle the needs resulting from the emergency incident. For example, temporary housing is established, outdoor canopies are set up, portable toilets are utilized, electric power and heating is provided. These needs of the people need to be provided for, but many times strict compliance with the code is not possible. These revisions could allow temporary emergency shelters that may not fully meet code requirements for a congregate residential use. This proposal adds correlating provisions into the IBC so the fire code official and building official can work together to solve these problems that arise in emergency situations.

The last sentence in IFC Section 104.2.4.1 is cleaned up with no change in application.

Cost Impact: Decrease

Estimated Immediate Cost Impact:

This proposal will allow for a quicker response to the needs of the public and enhance the ability for fire and building officials to work together thus averting additional costs for filing with both agencies.

Estimated Immediate Cost Impact Justification (methodology and variables):

A survey of several agencies resulted in a range of $100 to $350 for filing a request for modification.

ADM21-25

ADM22-25 Part I

IFC: 104.2.4, 104.2.4.1, 104.2.4.2, 104.2.4.3 (New), 104.2.4.4 (New), 104.2.4.5 (New), 104.2.4.6 (New), 104.2.4.6.1 (New), 104.2.4.6.2 (New), 104.2.4.7 (New), 104.2.4.8 (New), [A] 104.7.5; IBC: [A] 104.2.4, 104.2.4.1 (New), [A] 104.2.4.1, 104.2.4.2 (New), 104.2.4.3 (New), 104.2.4.4 (New), 104.2.4.5 (New), 104.2.4.5.1 (New), 104.2.4.5.2 (New), 104.2.4.6 (New), 104.2.4.7 (New), [A] 104.7.4; IEBC: [A] 104.2.4, 104.2.4.1 (New), [A] 104.2.4.1, 104.2.4.2 (New), 104.2.4.3 (New), 104.2.4.4 (New), 104.2.4.5 (New), 104.2.4.5.1 (New), 104.2.4.5.2 (New), 104.2.4.6 (New), 104.2.4.7 (New), [A] 104.7.4; IFGC: [A] 104.2.4, 104.2.4.1 (New), [A] 104.2.4.1, 104.2.4.2 (New), 104.2.4.3 (New), 104.2.4.4 (New), 104.2.4.5 (New), 104.2.4.5.1 (New), 104.2.4.5.2 (New), 104.2.4.6 (New), [A] 104.7.4; IGCC: 104.2.6, 104.2.6.1 (New), 104.2.6.2 (New), 104.2.6.3 (New), 104.2.6.4 (New), 104.2.6.5 (New), 104.2.6.5.1 (New), 104.2.6.5.2 (New), 10104.2.6.6 (New), 104.2.6.7 (New), 104.8.4; IMC®: [A] 104.2.4, 104.2.4.1 (New), 104.2.4.1, 104.2.4.2 (New), 104.2.4.3 (New), 104.2.4.4 (New), 104.2.4.5 (New), 104.2.4.5.1 (New), 104.2.4.5.2 (New), 104.2.4.6 (New), 104.2.4.7 (New), 104.7.4; IPC: [A] 104.2.4, 104.2.4.1 (New), [A] 104.2.4.1, 104.2.4.2 (New), 104.2.4.3 (New), 104.2.4.4 (New), 104.2.4.5 (New), 104.2.4.5.1 (New), 104.2.4.5.2 (New), 104.2.4.6 (New), 104.2.4.7 (New), [A] 104.7.4; IPSDC: [A] 104.2.4, 104.2.4.1 (New), [A] 104.2.4.1, 104.2.4.2 (New), 104.2.4.3 (New), 104.2.4.4 (New), 104.2.4.5 (New), 104.2.4.5.1 (New), 104.2.4.5.2 (New), 104.2.4.6 (New), 104.2.4.7 (New), [A] 104.7.4; IPMC: [A] 105.2.3, 105.2.3.1 (New), 105.2.3.2 (New), 105.2.3.3 (New), 105.2.3.4 (New), 105.2.3.5 (New), 105.2.3.5.1 (New), 105.2.3.5.2 (New), 105.2.3.6 (New), 105.2.3.7 (New), [A] 105.6.4; ISPSC: [A] 104.2.4, 104.2.4.1 (New), [A] 104.2.4.1, 104.2.4.2 (New), 104.2.4.3 (New), 104.2.4.4 (New), 104.2.4.5 (New), 104.2.4.5.1 (New), 104.2.4.5.2 (New), 104.2.4.6 (New), 104.2.4.7 (New), [A] 104.7.4; IWUIC: [A] 104.2.3, 104.2.3.1 (New), 104.2.3.2 (New), 104.2.3.3 (New), 104.2.3.4 (New), 104.2.3.5 (New), 104.2.3.5.1 (New), 104.2.3.5.2 (New), 104.2.3.6 (New), 104.2.3.7 (New), [A] 104.7.4

Proponents: Kevin Scott, KH Scott & Associates LLC, representing self (khscottassoc@gmail.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Fire Code

Revise as follows:

104.2.4 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of~~ the *fire code official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.3, the *fire code official* shall have the authority to ~~grant~~approve modifications in accordance with Section 104.2.4.1 or 104.2.4.2.

104.2.4.1 Individual cases. ~~The *fire code official* shall have the authority to grant modifications for individual cases, provided that the *fire code official* shall first find that special individual reason makes the strict letter of this code impractical, and the modification is in compliance with the intent and purpose of this code, and that such modification does not lessen health, life and fire safety requirements. The details of action granting modifications shall be recorded and entered in the files of the code compliance agency.~~The *fire code official* shall have the authority to approve modifications for individual cases, provided that the *fire code official* shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.3.

104.2.4.2 Natural disasters. In preparation for, during and after a natural disaster event, as determined by the *fire code official*, the *fire code official* shall have the authority to issue written policies, procedures or rules that modify this code as necessary to protect life and property. Such policies, procedures or rules shall be made available to the public and shall include start and end dates, which can be extended at the *fire code official ' s* discretion.

Add new text as follows:

104.2.4.3 Application and disposition. A request to use a modification shall be submitted in writing to the *fire code official* for approval. Where the modification is not approved, the *fire code official* shall respond in writing, stating the reasons the modification was not approved.

104.2.4.4 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of

the following:

1. Health.
2. Accessibility.
3. Life safety.
4. Fire safety.
5. Structural safety.

104.2.4.5 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *fire code official*.

104.2.4.6 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.4.6.1 and 104.2.4.6.2.

104.2.4.6.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *fire code official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

104.2.4.6.2 Other reports. Reports not complying with Section 104.2.4.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with the intent of the code. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *fire code official*. The *fire code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

104.2.4.7 Peer review. The *fire code official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is *approved* by the *fire code official*.

104.2.4.8 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section 104.7.5.

Revise as follows:

[A] 104.7.5 Tests. The *fire code official* shall keep a record of tests conducted to comply with Sections 104.2.2.4, ~~and~~ 104.2.3.5 and 104.2.4.5.

2024 International Building Code

Revise as follows:

[A] 104.2.4 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~ the *building official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.3, the *building official* shall have the authority to ~~grant~~ approve modifications for individual cases~~, provided that the *building official* shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, *accessibility*, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

104.2.4.1 Approval authority. As a condition of approval, the building official shall find that one or more special individual reasons make

it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.3.

Revise as follows:

[A] ~~**104.2.4.1**~~ **104.2.4.1.1 Flood hazard areas.** The *building official* shall not grant modifications to any provision required in *flood hazard areas* as established by Section 1612.3 unless a determination has been made that:

1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the *site* render the elevation standards of Section 1612 inappropriate.
2. A determination that failure to grant the variance would result in exceptional hardship by rendering the *lot* undevelopable.
3. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety or extraordinary public expense; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. A determination that the variance is the minimum necessary to afford relief, considering the *flood* hazard.
5. Submission to the applicant of written notice specifying the difference between the *design flood elevation* and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the *design flood elevation* increases risks to life and property.

Add new text as follows:

104.2.4.2 Application and disposition. A request to use a modification shall be submitted in writing to the *building official* for approval. Where the modification is not approved, the *building official* shall respond in writing, stating the reasons the modification was not approved.

104.2.4.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health.
2. Accessibility.
3. Life safety.
4. Fire safety.
5. Structural safety.

104.2.4.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *building official*.

104.2.4.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.4.5.1 and 104.2.4.5.2.

104.2.4.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *building official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

104.2.4.5.2 Other reports. Reports not complying with Section 104.2.4.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *building official*. The *building official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

104.2.4.6 Peer review. The *building official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is *approved* by the *building official*.

104.2.4.7 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section 104.7.4.

Revise as follows:

[A] 104.7.4 Tests. The *building official* shall keep a record of tests conducted to comply with Sections 104.2.2.4, ~~and~~ 104.2.3.5 and 104.2.4.4.

2024 International Existing Building Code

Revise as follows:

[A] 104.2.4 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~the *code official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.3, the *code official* shall have the authority to ~~grant~~approve modifications for individual cases~~, provided that the *code official* shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety, or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

104.2.4.1 Approval authority. As a condition of approval, the *code official* shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.3.

Revise as follows:

[A] ~~104.2.4.1~~ 104.2.4.1.1 Flood hazard areas. For *existing buildings* located in *flood hazard areas* for which *repairs*, *alterations* and *additions* constitute *substantial improvement*, the *code official* shall not grant modifications to provisions related to flood resistance unless a determination is made that:

1. The applicant has presented good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render compliance with the flood-resistant construction provisions inappropriate.
2. Failure to grant the modification would result in exceptional hardship.
3. The granting of the modification will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. The modification is the minimum necessary to afford relief, considering the flood hazard.
5. A written notice will be provided to the applicant specifying, if applicable, the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation and that construction below the design flood elevation increases risks to life and property.

Add new text as follows:

104.2.4.2 Application and disposition. A request to use a modification shall be submitted in writing to the *code official* for approval. Where the modification is not approved, the *code official* shall respond in writing, stating the reasons the modification was not approved.

104.2.4.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health.
2. Accessibility.
3. Life safety.
4. Fire safety.
5. Structural safety.

104.2.4.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

104.2.4.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.4.5.1 and 104.2.4.5.2.

104.2.4.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *code official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

104.2.4.5.2 Other reports. Reports not complying with Section 104.2.4.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

104.2.4.6 Peer review. The *code official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is *approved* by the *code official*.

104.2.4.7 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section 104.7.4.

Revise as follows:

[A] 104.7.4 Tests. The *code official* shall keep a record of tests conducted to comply with Sections 104.2.2.4, ~~and~~ 104.2.3.5 and 104.2.4.4.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.2.4 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~ the *code official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.3, the *code official* shall have the authority to ~~grant~~ *approve* modifications for individual cases~~, provided that the *code official* shall first find that one or more special individual reasons make the strict letter of this code impractical, that the modification is in compliance with the intent and purpose of this code, and that such modification does not lessen health, accessibility, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

104.2.4.1 Approval authority. As a condition of approval, the *code official* shall find that one or more special individual reasons make it

~~104.2.4.1 Approval authority.~~ ~~As a condition of approval, the code official shall find that one or more special individual reasons make it~~ impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.3.

Revise as follows:

[A] ~~104.2.4.1~~ 104.2.4.1.1 Flood hazard areas. The *code official* shall not grant modifications to any provision required in *flood hazard areas* as established by Section 1612.3 of the *International Building Code* unless a determination has been made that:

1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render the elevation standards of Section 1612 of the *International Building Code* inappropriate.
2. A determination that failure to grant the variance would result in exceptional hardship by rendering the lot undevelopable.
3. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety or extraordinary public expense; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. A determination that the variance is the minimum necessary to afford relief, considering the flood hazard.
5. Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.

Add new text as follows:

104.2.4.2 Application and disposition. A request to use a modification shall be submitted in writing to the *code official* for approval. Where the modification is not approved, the *code official* shall respond in writing, stating the reasons the modification was not approved.

104.2.4.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health.
2. Accessibility.
3. Life safety.
4. Fire safety.
5. Structural safety.

104.2.4.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

104.2.4.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.4.5.1 and 104.2.4.5.2.

104.2.4.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *code official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

104.2.4.5.2 Other reports. Reports not complying with Section 104.2.4.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

104.2.4.6 Peer review. The *code official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is *approved* by the *code official*.

Revise as follows:

[A] 104.7.4 Tests. The *code official* shall keep a record of tests conducted to comply with Sections 104.2.2.4, ~~and~~ 104.2.3.5 and 104.2.4.4.

2024 International Green Construction Code

Revise as follows:

104.2.6 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~ the authority having jurisdiction determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.5, the authority having jurisdiction shall have the authority to ~~grant~~ approve modifications for individual cases~~, provided the authority having jurisdiction shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen the minimum requirements of this code. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

104.2.6.1 Approval authority. As a condition of approval, the authority having jurisdiction shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.5.

104.2.6.2 Application and disposition. A request to use a modification shall be submitted in writing to the authority having jurisdiction for approval. Where the modification is not approved, the authority having jurisdiction shall respond in writing, stating the reasons the modification was not approved.

104.2.6.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen the minimum requirements of this code.

104.2.6.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the authority having jurisdiction.

104.2.6.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.6.5.1 and 104.2.6.5.2.

104.2.6.5.1 Evaluation reports. Evaluation reports shall be issued by an approved agency and use of the evaluation report shall require approval by the authority having jurisdiction. Evaluation of the modification shall be within the scope of the accreditation of the approved agency. Criteria used for the evaluation shall be identified within the report.

104.2.6.5.2 Other reports. Reports not complying with Section 104.2.6.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the authority having jurisdiction. The authority having jurisdiction is authorized to require design submittals to be prepared by, and bear the stamp of, a registered design professional.

10104.2.6.6 Peer review. The authority having jurisdiction is authorized to require submittal of a peer review in conjunction with a modification request, prepared by a peer reviewer that is approved by the authority having jurisdiction.

104.2.6.7 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section

104.8.4.

Revise as follows:

104.8.4 Tests. The authority having jurisdiction shall keep a record of tests conducted to comply with Sections 104.2.2.4, ~~and~~ 104.2.5.5 and 104.2.6.4.

2024 International Mechanical Code

Revise as follows:

[A] 104.2.4 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~ the *code official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.3, the *code official* shall have the authority to ~~grant~~ approve modifications for individual cases~~, provided that the code official shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

104.2.4.1 Approval authority. As a condition of approval, the *code official* shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.3.

Revise as follows:

~~**104.2.4.1**~~ **104.2.4.1.1 Flood hazard areas.** The code official shall not grant modifications to any provision required in flood hazard areas, as established by Section 1612.3 of the *International Building Code*, unless a determination has been made that:

1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render the elevation standards of Section 1612 of the *International Building Code* inappropriate.
2. A determination that failure to grant the variance would result in exceptional hardship by rendering the lot undevelopable.
3. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety or extraordinary public expense; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. A determination that the variance is the minimum necessary to afford relief, considering the flood hazard.
5. Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the *building* is to be built, stating that the cost of flood ~~in-surance~~ insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.

Add new text as follows:

104.2.4.2 Application and disposition. A request to use a modification shall be submitted in writing to the *code official* for approval. Where the modification is not approved, the *code official* shall respond in writing, stating the reasons the modification was not approved.

104.2.4.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health.

2. Accessibility.
3. Life safety.
4. Fire safety.
5. Structural safety.

104.2.4.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

104.2.4.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.4.5.1 and 104.2.4.5.2.

104.2.4.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *code official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

104.2.4.5.2 Other reports. Reports not complying with Section 104.2.4.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

104.2.4.6 Peer review. The *code official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is approved by the *code official*.

104.2.4.7 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section 104.7.4.

Revise as follows:

104.7.4 Tests. The *code official* shall keep a record of tests conducted to comply with Sections 104.2.2.4, ~~and~~ 104.2.3.5 and 104.2.4.4.

2024 International Plumbing Code

Revise as follows:

[A] 104.2.4 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~ the *code official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.3, the *code official* shall have the authority to ~~grant~~ approve modifications for individual cases~~, provided that the code official shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

104.2.4.1 Approval authority. As a condition of approval, the *code official* shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.3.

Revise as follows:

[A] ~~**104.2.4.1**~~ **104.2.4.1.1 Flood hazard areas.** The *code official* shall not grant modifications to any provision required in flood hazard areas as established by Section 1612.3 of the *International Building Code* unless a determination has been made that:

1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render the elevation standards of Section 1612 of the *International Building Code* inappropriate.
2. A determination that failure to grant the variance would result in exceptional hardship by rendering the lot undevelopable.
3. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety or extraordinary public expense; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. A determination that the variance is the minimum necessary to afford relief, considering the flood hazard.
5. Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.

Add new text as follows:

104.2.4.2 Application and disposition. A request to use a modification shall be submitted in writing to the *code official* for approval. Where the modification is not approved, the *code official* shall respond in writing, stating the reasons the modification was not approved.

104.2.4.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health.
2. Accessibility.
3. Life safety.
4. Fire safety.
5. Structural safety.

104.2.4.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

104.2.4.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.4.5.1 and 104.2.4.5.2.

104.2.4.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *code official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

104.2.4.5.2 Other reports. Reports not complying with Section 104.2.4.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

104.2.4.6 Peer review. The *code official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is approved by the *code official*.

104.2.4.7 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section 104.7.4.

Revise as follows:

[A] 104.7.4 Tests. The *code official* shall keep a record of tests conducted to comply with Sections 104.2.2.4, ~~and~~ 104.2.3.5 and 104.2.4.4.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.2.4 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~ the *code official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.3, the *code official* shall have the authority to ~~grant~~ approve modifications for individual cases~~, provided that the code official shall first find that one or more special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

104.2.4.1 Approval authority. As a condition of approval, the *code official* shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.3.

Revise as follows:

[A] ~~104.2.4.1~~ 104.2.4.1.1 Flood hazard areas. The code official shall not grant modifications to any provision required in flood hazard areas as established by Section 1612.3 of the *International Building Code*, unless a determination has been made that:

1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render the elevation standards of Section 1612 of the *International Building Code* inappropriate.
2. A determination that failure to grant the variance would result in exceptional hardship by rendering the lot undevelopable.
3. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety or extraordinary public expense; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. A determination that the variance is the minimum necessary to afford relief, considering the flood hazard.
5. Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.

Add new text as follows:

104.2.4.2 Application and disposition. A request to use a modification shall be submitted in writing to the *code official* for approval. Where the modification is not approved, the *code official* shall respond in writing, stating the reasons the modification was not approved.

104.2.4.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health.
2. Accessibility.
3. Life safety.

4. Fire safety.
5. Structural safety.

104.2.4.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

104.2.4.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.4.5.1 and 104.2.4.5.2.

104.2.4.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *code official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

104.2.4.5.2 Other reports. Reports not complying with Section 104.2.4.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

104.2.4.6 Peer review. The *code official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is approved by the *code official*.

104.2.4.7 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section 104.7.4.

Revise as follows:

[A] 104.7.4 Tests. The *code official* shall keep a record of tests conducted to comply with Sections 104.2.2.4, ~~and~~ 104.2.3.5 and 104.2.4.4.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.2.3 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~ the *code official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 105.2.2, the *code official* shall have the authority to ~~grant~~ approve modifications for individual cases~~, provided that the *code official* shall first find that special individual reasons make the strict letter of this code impractical, and that the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

105.2.3.1 Approval authority. As a condition of approval, the *code official* shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 105.2.2.

105.2.3.2 Application and disposition. A request to use a modification shall be submitted in writing to the *code official* for approval. Where the modification is not approved, the *code official* shall respond in writing, stating the reasons the modification was not approved.

105.2.3.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health.
2. Accessibility.
3. Life safety.
4. Fire safety.
5. Structural safety.

105.2.3.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

105.2.3.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 105.2.3.5.1 and 105.2.3.5.2.

105.2.3.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *code official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

105.2.3.5.2 Other reports. Reports not complying with Section 105.2.3.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

105.2.3.6 Peer review. The *code official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is approved by the *code official*.

105.2.3.7 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section 105.6.4.

Revise as follows:

[A] 105.6.4 Tests. The *code official* shall keep a record of tests conducted to comply with Sections 105.2.1.4, ~~and~~ 105.2.2.5 and 105.2.3.4.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.2.4 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~ the *code official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.3, the *code official* shall have the authority to ~~grant~~ approve modifications for individual cases~~ provided that the code official shall first find that one or more special individual reasons make the strict letter of this code impractical, that the modification is in compliance with the intent and purpose of this code, and that such modification does not lessen health, accessibility, life and fire safety or structural requirements. The details of the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety~~.

Add new text as follows:

104.2.4.1 Approval authority. As a condition of approval, the *code official* shall find that one or more special individual reasons make it

~~104.2.4.1~~ **Approval authority.** As a condition of approval, the code official shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.3.

Revise as follows:

[A] ~~**104.2.4.1**~~ **104.2.4.1.1 Flood hazard areas.** The code official shall not grant modifications to any provision required in flood hazard areas as established by Section 1612.3 of the *International Building Code* unless a determination has been made that:

1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render the elevation standards of Section 1612 of the *International Building Code* inappropriate.
2. A determination that failure to grant the variance would result in exceptional hardship by rendering the lot undevelopable.
3. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety or extraordinary public expense; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. A determination that the variance is the minimum necessary to afford relief, considering the flood hazard.
5. Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.

Add new text as follows:

104.2.4.2 Application and disposition. A request to use a modification shall be submitted in writing to the *code official* for approval. Where the modification is not approved, the *code official* shall respond in writing, stating the reasons the modification was not approved.

104.2.4.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health.
2. Accessibility.
3. Life safety.
4. Fire safety.
5. Structural safety.

104.2.4.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

104.2.4.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.4.5.1 and 104.2.4.5.2.

104.2.4.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *code official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

104.2.4.5.2 Other reports. Reports not complying with Section 104.2.4.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

104.2.4.6 Peer review. The *code official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is approved by the *code official*.

104.2.4.7 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section 104.7.4.

Revise as follows:

[A] 104.7.4 Tests. The *code official* shall keep a record of tests conducted to comply with Sections 104.2.2.4, ~~and~~ 104.2.3.5 and 104.2.4.4.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.2.3 Modifications. Where ~~there are practical difficulties involved in carrying out the provisions of this code~~ the *code official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section 104.2.2, the *code official* shall have the authority to ~~grant~~ approve modifications for individual cases~~, provided that the *code official* shall first find that one or more special individual reasons make the strict letter of this code impractical, that the modification is in conformance with the intent and purpose of this code, and that such modification does not lessen health, life and fire safety requirements. The details of the written request and action granting modifications shall be recorded and entered into the files of the code enforcement agency~~.

Add new text as follows:

104.2.3.1 Approval authority. As a condition of approval, the *code official* shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section 104.2.2.

104.2.3.2 Application and disposition. A request to use a modification shall be submitted in writing to the *code official* for approval. Where the modification is not approved, the code official shall respond in writing, stating the reasons the modification was not approved.

104.2.3.3 Compliance with code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health.
2. Accessibility.
3. Life safety.
4. Fire safety.
5. Structural safety.

104.2.3.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *code official*.

104.2.3.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification shall comply with Sections 104.2.3.5.1 and 104.2.3.5.2.

104.2.3.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *code official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria

used for the evaluation shall be identified within the report.

104.2.3.5.2 Other reports. Reports not complying with Section 104.2.3.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *code official*. The *code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

104.2.3.6 Peer review. The *code official* is authorized to require submittal of a *peer review* in conjunction with a modification request, prepared by a peer reviewer that is approved by the *code official*.

104.2.3.7 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section 104.7.4.

Revise as follows:

[A] 104.7.4 Tests. The *code official* shall keep a record of tests conducted to comply with Sections 104.2.1.4, ~~and~~ 104.2.2.5 and 104.2.3.4.

Reason: This proposal adds evaluation and approval parameters for modifications, making them similar to those currently in the code for alternative methods. The primary difference between an alternative method and a modification is that a modification changes a code requirement in unique cases where equivalency cannot be achieved, as opposed to an alternative method, which establishes equivalency with a code requirement.

Accordingly, the provisions for approval of a modification should at least be equivalent to those for approval of an alternative method. However, code text currently suggests that the hurdle to obtain approval of a modification is less stringent. To address this, the modification requirements have been clarified to state that the code official must determine 1) direct compliance with the code is not achievable, and 2) potential alternative methods of compliance have been explored but cannot produce equivalency to the code.

Further, this proposal achieves consistency with changes to the alternative method provisions made under ADM13-22 and ADM 14-22, minus the requirement for code equivalency. Relevant provisions from the requirements for alternative methods have been added to the requirements for modifications. The one exception to this equivalency occurs in the IRC. In the IRC, the code official does not have the authority to require technical reports or a peer review for alternative methods, but if a technical report or peer review is submitted the code official can approve the agency or agent preparing the documentation. The same occurs for modifications in the IRC—the code official does not have the authority to require peer review or a technical report, but if it is submitted, the preparer must meet with the code official's approval.

This proposal will provide consistency across all the codes where modifications are allowed, with the exception of excluding accessibility, given that the IRC does not regulate accessibility.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This proposal provides guidance to the code official for the administrative process when dealing with modifications.

ADM22-25 Part I

ADM22-25 Part II

IRC: R104.2.3, R104.2.3.1 (New), R104.2.3.1, R104.2.3.2 (New), R104.2.3.3 (New), R104.2.3.4 (New), R104.2.3.5 (New), R104.2.3.5.1 (New), R104.2.3.5.2 (New), R104.2.3.6 (New), R104.7.4

Proponents: Kevin Scott, KH Scott & Associates LLC, representing self (khscottassoc@gmail.com)

2024 International Residential Code

Revise as follows:

R104.2.3 Modifications. ~~Where there are practical difficulties involved in carrying out the provisions of this code, the *building official* shall have the authority to grant modifications for individual cases, provided the *building official* shall first find that one or more special individual reasons make the strict letter of this code impractical, and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, life and fire safety or structural requirements. The detailsof the written request for and action granting modifications shall be recorded and entered in the files of the department of building safety.~~Where the *building official* determines that it is not practical to specifically comply with this code or utilize an alternative method of compliance in accordance with Section R104.2.2, the *building official* shall have the authority to approve modifications for individual cases.

Add new text as follows:

R104.2.3.1 Approval authority. As a condition of approval, the *building official* shall find that one or more special individual reasons make it impractical to specifically comply with this code or provide equivalency through an alternative method of compliance in accordance with Section R104.2.2.

Revise as follows:

~~**R104.2.3.1**~~ **R104.2.3.1 Flood hazard areas.** The *building official* shall not grant modifications to any provisions required in flood hazard areas as established by Table R301.2 unless a determination has been made that:

1. There is good and sufficient cause showing that the unique characteristics of the size, configuration or topography of the site render the elevation standards of Section R306 inappropriate.
2. Failure to grant the modification would result in exceptional hardship by rendering the lot undevelopable.
3. The granting of modification will not result in increased flood heights, additional threats to public safety or extraordinary public expense; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. The modification is the minimum necessary to afford relief, considering the flood hazard.
5. Written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation and stating that construction below the design flood elevation increases risks to life and property, has been submitted to the applicant.

Add new text as follows:

R104.2.3.2 Application and disposition. A request to use a modification shall be submitted in writing to the *building official* for approval. Where the modification is not approved, the *building official* shall respond in writing, stating the reasons the modification was not approved.

R104.2.3.3 Compliance with the code intent. Modifications shall comply with the intent and purpose of this code, and shall not lessen any of the following:

1. Health

2. Life safety
3. Fire safety
4. Structural safety

R104.2.3.4 Tests. Tests conducted in support of a modification shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the *building official*.

R104.2.3.5 Reports. Supporting documentation, where necessary to assist in the approval of a modification, shall comply with Sections R104.2.3.5.1 and R104.2.3.5.2.

R104.2.3.5.1 Evaluation reports. Evaluation reports shall be issued by an *approved agency* and use of the evaluation report shall require approval by the *building official*. Evaluation of the modification shall be within the scope of the accreditation of the *approved agency*. Criteria used for the evaluation shall be identified within the report.

R104.2.3.5.2 Other reports. Reports not complying with Section R104.2.3.5.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with the intent of the code. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the *building official*. The *building official* is authorized to require design submittals to be prepared by, and bear the stamp of, a *registered design professional*.

R104.2.3.6 Records. Records of the written request for and action granting modifications shall be retained in accordance with Section R104.7.4.

Revise as follows:

R104.7.4 Tests. The *building official* shall keep a record of tests conducted to comply with ~~Section~~Sections R104.2.2.5 and R104.2.3.4.

Reason: This proposal adds evaluation and approval parameters for modifications, making them similar to those currently in the code for alternative methods. The primary difference between an alternative method and a modification is that a modification changes a code requirement in unique cases where equivalency cannot be achieved, as opposed to an alternative method, which establishes equivalency with a code requirement.

Accordingly, the provisions for approval of a modification should at least be equivalent to those for approval of an alternative method. However, code text currently suggests that the hurdle to obtain approval of a modification is less stringent. To address this, the modification requirements have been clarified to state that the code official must determine 1) direct compliance with the code is not achievable, and 2) potential alternative methods of compliance have been explored but cannot produce equivalency to the code.

Relevant provisions from the requirements for alternative methods have been added to the requirements for modifications. One difference between the IRC provisions and the other codes is that in the IRC the code official does not have the authority to require technical reports or peer review, but if a technical report or peer review is submitted the code official can approve the agency or agent preparing the documentation.

This proposal will provide consistency across all the codes with the process for review and approval of a request for modification.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This proposal is an administrative requirement and does not require the applicant to submit a request for modification. This proposal identifies the review and approval process.

ADM22-25 Part II

ADM23-25 Part I

IBC: [A] 104.2.4.1; IEBC: [A] 104.2.4.1; IFGC: [A] 104.2.4.1; IMC®: 104.2.4.1; IPC: [A] 104.2.4.1; IPSDC: [A] 104.2.4.1; ISPSC: [A] 104.2.4.1

Proponents: Rebecca Quinn, RCQuinn Consulting, representing Association of State Floodplain Managers (rebecca@rcquinnconsulting.com); Chad Berginnis, representing Association of State Floodplain Managers (cberginnis@floods.org)

THIS IS A 3 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IBC-S CODE COMMITTEE. PART III WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 104.2.4.1 Flood hazard areas. The *building official* shall not grant modifications to any provision required in *flood hazard areas* ~~as established by Section 1612.3~~ unless a determination has been made that:

1. The applicant has presented ~~A showing of~~ good and sufficient cause that the unique characteristics of the size, configuration or topography of the *site* render compliance with the flood-resistant construction provisions ~~the elevation standards~~ of Section 1612 inappropriate.
2. ~~A determination that failure~~ Failure to grant the modification ~~variance~~ would result in exceptional hardship by rendering the *lot* undevelopable.
3. ~~A determination that the~~ The granting of the modification ~~a variance~~ will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. ~~A determination that the variance~~ The modification is the minimum necessary to afford relief, considering the *flood* hazard.
5. ~~Submission to the applicant of written notice specifying the difference between the *design flood elevation* and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the *design flood elevation* increases risks to life and property.~~

Where a modification permits the lowest floor to be lower than the elevation required by Section 1612, the building official shall provide a written notice to the applicant stating that the cost of federal flood insurance will be commensurate with the increased risk and that construction below the minimum required elevation increases risks to life and property.

2024 International Existing Building Code

Revise as follows:

[A] 104.2.4.1 Flood hazard areas. ~~For *existing buildings* located in *flood hazard areas* for which *repairs*, *alterations* and *additions* constitute *substantial improvement*, the~~ The *code official* shall not grant modifications to provisions required in flood hazard areas ~~related to flood resistance~~ unless a determination has been ~~is~~ made that:

1. The applicant has presented good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render compliance with the flood-resistant construction provisions of Section 1612 of the International Building Code or Section R306 of the International Residential Code, as applicable, inappropriate.
2. Failure to grant the modification would result in exceptional hardship by rendering the lot undevelopable.
3. The granting of the modification will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.

4. The modification is the minimum necessary to afford relief, considering the flood hazard.
5. ~~A written notice will be provided to the applicant specifying, if applicable, the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation and that construction below the design flood elevation increases risks to life and property.~~

Where a modification permits the lowest floor to be lower than the elevation required by Section 1612 of the International Building Code or Section R306 of the International Residential Code, as applicable, the code official shall provide a written notice to the applicant stating that the cost of federal flood insurance will be commensurate with the increased risk and that construction below the minimum required elevation increases risks to life and property.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.2.4.1 Flood hazard areas. The *code official* shall not grant modifications to any provision required in *flood hazard areas* ~~as established by Section 1612.3 of the *International Building Code*~~ unless a determination has been made that:

1. The applicant has presented ~~A showing of~~ good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render compliance with the flood-resistant construction provisions ~~the elevation standards~~ of Section 1612 of the *International Building Code* inappropriate.
2. ~~A determination that failure~~ Failure to grant the modification ~~variance~~ would result in exceptional hardship by rendering the lot undevelopable.
3. ~~A determination that the~~ The granting of the modification ~~a variance~~ will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. ~~A determination that the variance~~ The modification is the minimum necessary to afford relief, considering the flood hazard.
5. ~~Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.~~

Where a modification permits the lowest floor to be lower than the elevation required by Section 1612 of the International Building Code, the code official shall provide a written notice to the applicant stating that the cost of federal flood insurance will be commensurate with the increased risk and that construction below the minimum required elevation increases risks to life and property.

2024 International Mechanical Code

Revise as follows:

104.2.4.1 Flood hazard areas. The code official shall not grant modifications to any provision required in flood hazard areas~~, as established by Section 1612.3 of the *International Building Code*~~, unless a determination has been made that:

1. The applicant has presented ~~A showing of~~ good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render compliance with the flood-resistant construction provisions ~~the elevation standards~~ of Section 1612 of the *International Building Code* inappropriate.
2. ~~A determination that failure~~ Failure to grant the modification ~~variance~~ would result in exceptional hardship by rendering the lot undevelopable.

3. ~~A determination that the~~ The granting of the modification ~~a variance~~ will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. ~~A determination that the variance~~ The modification is the minimum necessary to afford relief, considering the flood hazard.
5. ~~Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the *building* is to be built, stating that the cost of flood in-surance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.~~

Where a modification permits the lowest floor to be lower than the elevation required by Section 1612 of the International Building Code , the code official shall provide a written notice to the applicant stating that the cost of federal flood insurance will be commensurate with the increased risk and that construction below the minimum required elevation increases risks to life and property.

2024 International Plumbing Code

Revise as follows:

[A] 104.2.4.1 Flood hazard areas. The code official shall not grant modifications to any provision required in flood hazard areas ~~as established by Section 1612.3 of the *International Building Code*~~ unless a determination has been made that:

1. The applicant has presented ~~A showing of~~ good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render compliance with the flood-resistant construction provisions ~~the elevation standards~~ of Section 1612 of the *International Building Code* inappropriate.
2. ~~A determination that failure~~ Failure to grant the modification ~~variance~~ would result in exceptional hardship by rendering the lot undevelopable.
3. ~~A determination that the~~ The granting of the modification ~~a variance~~ will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. ~~A determination that the variance~~ The modification is the minimum necessary to afford relief, considering the flood hazard.
5. ~~Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.~~

Where a modification permits the lowest floor to be lower than the elevation required by Section 1612 of the International Building Code, the code official shall provide a written notice to the applicant stating that the cost of federal flood insurance will be commensurate with the increased risk and that construction below the minimum required elevation increases risks to life and property.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.2.4.1 Flood hazard areas. The code official shall not grant modifications to any provision required in flood hazard areas ~~as established by Section 1612.3 of the *International Building Code*~~, unless a determination has been made that:

1. The applicant has presented ~~A showing of~~ good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render compliance with the flood-resistant construction provisions ~~the elevation standards~~ of Section 1612 of the *International Building Code* inappropriate.
2. ~~A determination that failure~~ Failure to grant the modification ~~variance~~ would result in exceptional hardship by rendering the lot undevelopable.

3. ~~A determination that the~~ The granting of the modification ~~a variance~~ will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. ~~A determination that the variance~~ The modification is the minimum necessary to afford relief, considering the flood hazard.
5. ~~Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.~~

Where a modification permits the lowest floor to be lower than the elevation required by Section 1612 of the International Building Code, the code official shall provide a written notice to the applicant stating that the cost of federal flood insurance will be commensurate with the increased risk and that construction below the minimum required elevation increases risks to life and property.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.2.4.1 Flood hazard areas. The code official shall not grant modifications to any provision required in flood hazard areas ~~as established by Section 1612.3 of the *International Building Code*~~ unless a determination has been made that:

1. The applicant has presented ~~A showing of~~ good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render compliance with the flood-resistant construction provisions ~~the elevation standards~~ of Section 1612 of the *International Building Code* inappropriate.
2. ~~A determination that failure~~ Failure to grant the modification ~~variance~~ would result in exceptional hardship by rendering the lot undevelopable.
3. ~~A determination that the~~ The granting of the modification ~~a variance~~ will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. ~~A determination that the variance~~ The modification is the minimum necessary to afford relief, considering the flood hazard.
5. ~~Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the design flood elevation increases risks to life and property.~~

Where a modification permits the lowest floor to be lower than the elevation required by Section 1612 of the International Building Code, the code official shall provide a written notice to the applicant stating that the cost of federal flood insurance will be commensurate with the increased risk and that construction below the minimum required elevation increases risks to life and property.

ADM23-25 Part I

ADM23-25 Part II

IBC: APPENDIX G, G106.7

Proponents: Rebecca Quinn, RCQuinn Consulting, representing Association of State Floodplain Managers (rebecca@rcquinnconsulting.com); Chad Berginnis, representing Association of State Floodplain Managers (cberginnis@floods.org)

2024 International Building Code

APPENDIX G
FLOOD-RESISTANT CONSTRUCTION

Revise as follows:

G106.7 Conditions for issuance. *Variances* shall not~~only~~ be issued by the board ~~where all of the following criteria are met~~unless a determination has been made that:

1. The applicant has presented ~~A technical showing of~~ good and sufficient cause that the unique characteristics of the size, configuration or topography of the *site* render~~s the elevation standards~~ compliance with this appendix inappropriate.
2. ~~A determination that failure~~ Failure to grant the *variance* would result in exceptional hardship by rendering the *lot* undevelopable.
3. ~~A determination that the~~ The granting of a *variance* will not result in increased *flood* heights, additional threats to public safety, extraordinary public expense, nor create nuisances, cause fraud on or victimization of the public or conflict with existing local laws or ordinances.
4. ~~A determination that the~~ The *variance* is the minimum necessary to afford relief, considering the *flood* hazard~~, to afford relief~~.
5. ~~Notification to the applicant in writing over the signature of the floodplain administrator that the issuance of a *variance* to construct a *structure* below the *base flood* level will result in increased premium rates for flood insurance up to amounts as high as $25 for $100 of insurance coverage, and that such construction below the *base flood* level increases risks to life and property.~~

Where a variance permits the lowest floor to be lower than the elevation required by Section 1612, the floodplain administrator shall provide a written notice to the applicant stating that the cost of federal flood insurance will be commensurate with the increased risk and that construction below the minimum required elevation increases risks to life and property.

ADM23-25 Part II

ADM23-25 Part III

IRC: R104.2.3.1

Proponents: Rebecca Quinn, RCQuinn Consulting, representing Association of State Floodplain Managers (rebecca@rcquinnconsulting.com); Chad Berginnis, representing Association of State Floodplain Managers (cberginnis@floods.org)

2024 International Residential Code

Revise as follows:

R104.2.3.1 Flood hazard areas. The *building official* shall not grant modifications to any provisions required in flood hazard areas ~~as established by Table R301.2~~ unless a determination has been made that:

1. The applicant has presented ~~There is~~ good and sufficient cause ~~showing~~ that the unique characteristics of the size, configuration or topography of the site render compliance with the flood-resistant construction provisions ~~the elevation standards~~ of Section R306 inappropriate.
2. Failure to grant the modification would result in exceptional hardship by rendering the lot undevelopable.
3. The granting of the modification will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing laws or ordinances.
4. The modification is the minimum necessary to afford relief, considering the flood hazard.
5. ~~Written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation and stating that construction below the design flood elevation increases risks to life and property, has been submitted to the applicant.~~

Where a modification permits the lowest floor to be lower than the elevation required by Section R306, the building official shall provide a written notice to the applicant stating that the cost of federal flood insurance will be commensurate with the increased risk and that construction below the minimum required elevation increases risks to life and property.

Reason: This proposal is editorial to achieve consistent phrasing of similar sections across the IBC, IRC, IEBC, and IMC, IPC, IFGC, ISPSC, IPSDC for granting modifications (variances) to the flood-resistant provisions. The IBC, IRC and IEBC have had these sections for many editions. The sections were added by others to the IMC, IPC, IFGC, ISPSC, and IPSDC starting with the 2024 edition.

The term “variance” is used in floodplain management and is changed to the term “modification” which is used in the I-Codes. The existing list item (5), the written notification, is moved to an independent paragraph because, unlike the remaining four items, it does not require a determination. It is an action taken after a decision on a request for modification has been made.

The origin of this provision is in the regulations of the National Flood Insurance Program at 44 Code of Federal Regulations Section 60.6(a)(3), (4), and (5).

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This proposal is editorial to make language consistent across similar sections of multiple codes. There is no change to the technical content of the provisions. By making similar language more consistent there will be no cost impact when approving this proposal.

ADM24-25

IFC: 104.2.4.2

Proponents: Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org)

2024 International Fire Code

[A] 104.2.4.2 ~~Natural disasters~~ Disasters or Emergencies. In preparation for, during and after a ~~natural~~ disaster or other emergency event, as determined by the *fire code official*, the *fire code official* shall have the authority to issue written policies, procedures or rules that modify this code as necessary to protect life and property. Such policies, procedures or rules shall be made available to the public and shall include start and end dates, which can be extended at the *fire code official ' s* discretion.

Reason: A disaster may be natural or man made. The fire official needs to be able to respond to emergency events regardless of initial cause. There is an additional change that puts this section in the IBC and IEBC. It is the intent for all three sections to undergo this change.

This proposal is submitted by the ICC Building Code Action Committee (BCAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and 2024 the BCAC has held several virtual meetings open to any interested party. In addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the committee as well as interested parties. Related documents and reports are posted on the BCAC website at BCAC webpage.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

While this is not a change in construction requirements, by allowing for preplanning, this will most likely result in a reduction of cost. This will allow for a quicker response and for officials to work together, and averting additional costs.

ADM25-25

IFC: 104.2.4.2

Proponents: Jonathan Flannery, representing Pandemic Task Force Code Development Working Group, PTF CDWG (jflannery@aha.org)

2024 International Fire Code

Revise as follows:

[A] 104.2.4.2 Natural disasters or public health emergencies. In preparation for, during and after a natural disaster event or a public health emergency, ~~as determined by the *fire code official*~~,the *fire code official* shall have the authority to issue written policies, procedures or rules that modify this code as necessary to protect life and property. Such policies, procedures or rules shall be made available to the public and shall include start and end dates, which can be extended at the *fire code official ' s* discretion.

Reason: The IFC Code Development Committee rejected proposal F153-24 in CAH #1 and CAH #2 that would allow the fire code official some enforcement flexibilities regarding occupant loads during specific events. At CAH #2, it was suggested by the committee that this should be located in section 104 of the IFC instead of chapter 10. The original proposal specifically noted allowances for increased or decreased occupant loads while maintaining the intended level of egress required by the code. Although this code change does not provide any specific parameters, the Pandemic Task Force Code Development Work Group recognized that both public health emergencies and natural disasters may require the fire code official to allow modifications and flexibilities for the public good at the same time provide protection of life and property that code intends. Based on the advice of the IFC Code Development Committee, this appear to be a reasonable application of the flexibility needed during these events and emergencies. Upon review of this code section, the PTF CDWG is also suggesting the deletion of a portion of the sentence that suggest the fire code official determines and, by default would declare either the public health emergency or the natural disaster. In the opinion of the group, the fire code official does not make this declaration and deletion of this portion of the sentence clarifies the role of the fire code official.

The ICC/NEHA Pandemic Task Force (PTF) was organized and tasked with researching the effects of the COVID-19 pandemic on the built environment and developing a roadmap and proposing needed resources – including guidelines, recommended practices, publications and updates to the International Codes® (I-Codes®) – that are necessary to overcome the numerous challenges that may be faced during future pandemics and to construct and manage safe, sustainable and affordable occupancy of the built environment. The ICC Pandemic Tak Force Code Development Work Group (PTF CDWG) has conducted a comprehensive review of current code requirements as they relate to the prevention of the transmission of diseases and other serious health concerns and suggested revisions to current code requirements based on this assessment.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This proposal adds the intended public health emergency to help clarify that it was intended as part of natural disasters.

ADM26-25 Part I

IBC: [A] 104.4.1; IEBC: [A] 104.4.1; IFC: [A] 104.4.1; IFGC: [A] 104.4.1; IGCC: 104.5.1; IMC®: 104.4.1; IPC: [A] 104.4.1; IPSDC: [A] 104.4.1; IPMC: 105.3.1; ISPSC: [A] 104.4.1

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Delete without substitution:

~~**[A] 104.4.1 Warrant.** Where the *building official* has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an *owner*, the *owner*'s authorized agent, occupant or *person* having charge, care or control of the *structure* or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the *building official* for the purposes of inspection and examination pursuant to this code.~~

2024 International Existing Building Code

Delete without substitution:

~~**[A] 104.4.1 Warrant.** Where the *code official* has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent, occupant or person having charge, care or control of the structure or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the *code official* for the purposes of inspection and examination pursuant to this code.~~

2024 International Fire Code

Delete without substitution:

~~**[A] 104.4.1 Warrant.** Where the *fire code official* has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an *owner*, the *owner's* authorized agent, occupant or person having charge, care or control of the structure or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the *fire code official* for the purposes of inspection and examination pursuant to this code.~~

2024 International Fuel Gas Code

Delete without substitution:

~~**[A] 104.4.1 Warrant.** Where the *code official* has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent, occupant or person having charge, care or control of the structure or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the *code official* for the purposes of inspection and examination pursuant to this code.~~

2024 International Green Construction Code

Delete without substitution:

~~**104.5.1 Warrant.** Where the authority having jurisdiction has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent, occupant or person having charge, care or control of the building or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the authority having jurisdiction for the purposes of inspection and examination pursuant to this code.~~

2024 International Mechanical Code

Delete without substitution:

~~**104.4.1 Warrant.** Where the code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent, occupant or person having charge, care or control of the structure or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the code official for the purposes of inspection and examination pursuant to this code.~~

2024 International Plumbing Code

Delete without substitution:

~~**[A] 104.4.1 Warrant.** Where the code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent, occupant or person having charge, care or control of the structure or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the code official for the purposes of inspection and examination pursuant to this code.~~

2024 International Private Sewage Disposal Code

Delete without substitution:

~~**[A] 104.4.1 Warrant.** Where the code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent, occupant or person having charge, care or control of the structure or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the code official for the purposes of inspection and examination pursuant to this code.~~

2024 International Property Maintenance Code

Delete without substitution:

~~**105.3.1 Warrant.** Where the code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent, occupant or *person* having charge, care or control of the structure or premises shall not fail or neglect, after proper a request is made as herein provided, to permit entry therein by the code official for the purposes of inspection and examination pursuant to this code.~~

2024 International Swimming Pool and Spa Code

Delete without substitution:

~~**[A] 104.4.1 Warrant.** Where the code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent or occupant or person having charge, care or control of the structure or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the code official for the purposes of inspection and examination pursuant to this code.~~

ADM26-25 Part II

IRC: R104.4.1

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Residential Code

Delete without substitution:

~~**R104.4.1 Warrant.** Where the building code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an *owner*, the *owner*'s authorized agent, occupant or *person* having charge, care or control of the *structure* or premises shall not fail or neglect, after a proper request is made as herein provided, to permit entry therein by the building code official for the purposes of inspection and examination pursuant to this code.~~

Reason: The existing code language addresses obstruction of a warrant; a instrument of the court. Because warrants are governed under other laws, including the obstructions thereof, this section is outside of the scope of the building code, would not be used for a basic of a conviction, and is proposed to be deleted.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

There are no cost impacts to the change. See the reason.

ADM27-25 Part I

IBC: [A] 104.4; IEBC: [A] 104.4; IFC: [A] 104.4; IFGC: [A] 104.4; IGCC: 104.5; IMC®: [A] 104.4; IPC: [A] 104.4; IPSDC: [A] 104.4; IPMC: [A] 105.3; ISPSC: [A] 104.4; IWUIC: [A] 104.4

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *building official* has reasonable cause to believe that there exists in a *structure* or on a premises a condition that is contrary to or in violation of this code that makes the *structure* or premises unsafe, *dangerous* or hazardous, the *building official* is authorized to enter the *structure* or premises at all reasonable times to inspect or to perform the duties imposed by this code. ~~If such *structure* or premises is occupied, the *building official* shall present credentials to the occupant and request entry. If such *structure* or premises is unoccupied, the~~ The *building official* shall first make a reasonable effort to locate ~~the *owner*, the *owner*'s authorized agent or other~~ a *person* having apparent charge or control of the *structure* or premises and request entry. If entry is refused, or a *person* having apparent charge or control of the *structure* or premises is unable to be located, the *building official* shall have recourse to every remedy provided by law to secure entry.

2024 International Existing Building Code

Revise as follows:

[A] 104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *code official* has reasonable cause to believe that there exists in a structure or on any premises a condition that is contrary to or in violation of this code that makes the structure or premises *unsafe*, *dangerous* or hazardous, the *code official* is authorized to enter the structure or premises at all reasonable times to inspect or to perform the duties imposed by this code. ~~If such structure or premises is occupied, the code offical shall present credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ The *code official* shall first make a reasonable effort to locate ~~the owner, the owner's authorized agent or other~~ a person having apparent charge or control of the structure or premises and request entry. If entry is refused,or a *person* having apparent charge or control of the *structure* or premise is unable to be located,the *code official* shall have recourse to every remedy provided by law to secure entry.

2024 International Fire Code

Revise as follows:

[A] 104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *fire code official* has reasonable cause to believe that there exists in a structure or on any premises a condition that is contrary to or in violation of this code that makes the structure or premises unsafe, dangerous or hazardous, the *fire code official* is authorized to enter the structure or premises at all reasonable times to inspect or to perform the duties imposed on the *fire code official* by this code. ~~If such structure or premises is occupied, the *fire code official* shall present credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ The*fire code official* shall first make a reasonable effort to locate ~~the *owner*, the *owner 's* authorized agent or other~~ a person having apparent charge or control of the structure or premises and request entry. If entry is refused,or a *person* having apparent charge or control of the *structure* or premise is unable to be located, the *fire code official* shall have recourse to every remedy provided by law to secure entry.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *code official* has reasonable cause to believe that there exists in a structure or on anypremises a condition that is contrary to or in violation of this code that makes the structure or premises unsafe, dangerous or hazardous, the *code official* is authorized to enter the structure or premises at all reasonable times to inspect or to perform the duties imposed by this code. ~~If such structure or premises is occupied, the *code official* shall present credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ the code official shall first make a reasonable effort to locate ~~the owner, the owner's authorized agent or other~~ a person having apparent charge or control of the structure or premises and request entry. If entry is refused or a *person* having apparent charge or control of the *structure* or premise is unable to be located, the code official shall have recourse to every remedy provided by law to secure entry.

2024 International Green Construction Code

Revise as follows:

104.5 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the authority having jurisdiction has reasonable cause to believe that there exists in a structure or on a premises any conditions or violations of this code that make the structure or premises unsafe, dangerous or hazardous, the authority having jurisdiction shall have the authority to enter the structure or premises at all reasonable times to inspect or to perform the duties imposed on the authority having jurisdiction by this code. ~~If such structure or premises is occupied, the authority having jurisdiction shall present credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ The authority having jurisdiction shall first make a reasonable effort to locate ~~the owner, the owner's authorized agent or other~~ a person having apparent charge or control of the structure or premises and request entry. If entry is refused, or a *person* having apparent charge or control of the *structure* or premise is unable to be located, the authority having jurisdiction shall have recourse to every remedy provided by law to secure entry.

2024 International Mechanical Code

Revise as follows:

[A] 104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the code official has reasonable cause to believe that there exists in a structure or on any premises a condition that is contrary to or in violation of this code that makes the structure or premises unsafe, dangerous or hazardous, the code official is authorized to enter the structure or premises at all reasonable times to inspect or to perform the duties imposed by this code. ~~If such structure or premises is occupied, the code official shall present credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ The code official shall first make a reasonable effort to locate ~~the owner, the owner's authorized agent or other~~ a person having apparent charge or control of the structure or premises and request entry. If entry is refused, or a *person* having apparent charge or control of the *structure* or premise is unable to be located, the code official shall have recourse to every remedy provided by law to secure entry.

2024 International Plumbing Code

Revise as follows:

[A] 104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the code official has reasonable cause to believe that there exists in a structure or on any premises a condition that is contrary to or in violation of this code that makes the structure or premises unsafe, dangerous or hazardous, the code official is authorized to enter the structure or premises at all reasonable times to inspect or to perform the duties imposed by this code. ~~If such structure or premises is occupied, the code official shall present credentials to the occupant and request entry.If such building or premises is occupied, the code official shall present credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ The code official shall first make a reasonable effort to locate ~~the owner, the owner's authorized agent or other~~ a person having apparent charge or control of the structure or premises and request entry. If entry is refused, or a *person* having apparent charge or control of the *structure* or premise is unable to be located, the code official shall have recourse to every remedy provided by law to secure entry.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the code official has reasonable cause to believe that there exists in a structure or on any premises a condition that is contrary to or in violation of this code that makes the structure or premises unsafe, dangerous or hazardous, the code official is authorized to enter the structure or premises at all reasonable times to inspect or to perform the duties imposed by this code. ~~If such structure or premises is occupied, the code official shall present credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ The code official shall first make a reasonable effort to locate ~~the owner, the owner's authorized agent or other~~ a person having apparent charge or control of the structure or premises and request entry. If entry is refused, or a *person* having charge or control of the *structure* or premise is unable to be located, the code official shall have recourse to every remedy provided by law to secure entry.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.3 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *code official* has reasonable cause to believe that there exists in a *structure* or on any *premises* a condition that is contrary to or in violation of this code that makes the structure or premises unsafe, dangerous or hazardous, the *code official* is authorized to enter the *structure* or *premises* at all reasonable times to inspect or perform the duties imposed by this code. ~~If such *structure* or *premises* is occupied, the *code official* shall present credentials to the *occupant* and request entry. If such *structure* or *premises* is unoccupied, the~~ The *code official* shall first make a reasonable effort to locate ~~the *owner*, *owner*'s authorized agent or other~~ a *person* having apparent charge or control of the *structure* or *premises* and request entry. If entry is refused, or a *person* having apparent charge or control of the *structure* or premise is unable to be located, the *code official* shall have recourse to every remedy provided by law to secure entry.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *code official* has reasonable cause to believe that there exists in a structure or on a premises a condition that is contrary to or in violation of this code that makes the structure or premises unsafe, dangerous or hazardous, the *code official* is authorized to enter the structure or premises at reasonable times to inspect or to perform the duties imposed by this code. ~~If such structure or premises is occupied, the code official shall present credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ The code official shall first make a reasonable effort to locate ~~the owner, the owner's authorized agent or other~~ a person having apparent charge or control of the structure or premises and request entry. If entry is refused, or a *person* having apparent charge or control of the *structure* or premise is unable to be located, the code official shall have recourse to every remedy provided by law to secure entry.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *code official* has reasonable cause to believe that there exists in a structure or on any premises a condition that is contrary to or in violation of this code that makes the structure or premises unsafe, dangerous or hazardous, the *code official* is authorized to enter the structure or premises at all reasonable times to inspect or to perform the duties imposed by this code. ~~If such structure or premises is occupied, the *code official* shall present proper credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ The *code official* shall first make a reasonable effort to locate ~~the owner, the owner's authorized agent or other~~ a person having apparent charge or control of the structure or premises and request entry. If such entry is refused, or a *person* having apparent charge or control of the *structure* or premise is unable to be located, then the *code official* shall have recourse to every remedy provided by law to secure entry.

ADM27-25 Part II

IRC: R104.4

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Residential Code

Revise as follows:

R104.4 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *building official* has reasonable cause to believe that there exists in a *structure* or on any premises a condition that is contrary to or in violation of this code that makes the structure or premises unsafe, dangerous or hazardous, the *building official* is authorized to enter the *structure* or premises at all reasonable times to inspect or to perform the duties imposed by this code. ~~If such structure or premises is occupied, the *building official* shall present credentials to the occupant and request entry. If such structure or premises is unoccupied, the~~ The *building official* shall first make a reasonable effort to locate ~~the *owner*, the *owner*'s authorized agent, or other~~ a *person* having apparent charge or control of the structure or premises and request entry. If entry is refused, or a *person* having apparent charge or control of the *structure* or premise is unable to be located, the *building official* shall have recourse to every remedy provided by law to secure entry.

Reason: The proposed amendments to Section 104.4 "Right of Entry" aims to enhance clarity, efficiency, and compliance with constitutional standards. The deletion of specifics regarding occupancy simplifies the entry procedure, ensuring a uniform approach that reflects broader Fourth Amendment principles; privacy rights should be consistent regardless of whether a property is occupied or not. The introduction of "apparent" charge and control aligns the code with Illinois v. Rodriguez (1990), where the Supreme Court clarified that consent from someone with apparent authority over the premises is valid. Code officials should be well-versed in this case, however this code change will likely necessitate refreshing.

By consolidating specific persons - "the owner, the owner's authorized agent or other [etc.]" - to "a person having apparent charge or control," the amendment removes redundancy and arguable burden of proving formal authorization, focusing instead on practical control, which is more in line with Illinois v. Rodriguez. The clarification on unsuccessful entry maintains the provision for officials to use legal remedies when consent is not forthcoming or when no one with apparent control can be located; the proposed language reinforces the intent in this aspect.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This code change clarifies administrative provisions to reduce complexity and delete potential search consent issues; there is no direct cost impact.

ADM28-25 Part I

IBC: [A] 104.7, [A] 104.7.1, [A] 104.7.2, [A] 104.7.3, [A] 104.7.4, [A] 104.7.5, [A] 107.5; IEBC: [A] 104.7, [A] 104.7.1, [A] 104.7.2, [A] 104.7.3, [A] 104.7.4, [A] 104.7.5, [A] 106.5; IFC: [A] 104.7, [A] 104.7.1, [A] 104.7.2, 104.7.3, [A] 104.7.4, [A] 104.7.5, [A] 104.7.6, [A] 106.4 (New); IFGC: [A] 104.7, [A] 104.7.1, [A] 104.7.2, [A] 104.7.3, [A] 104.7.4, [A] 104.7.5, [A] 106.2 (New); IGCC: 104.8, 104.8.1, 104.8.2, 104.8.3, 104.8.4, 104.8.5; IMC®: [A] 104.7, 104.7.1, 104.7.2, 104.7.3, 104.7.4, 104.7.5, [A] 106.2; IPC: [A] 104.7, [A] 104.7.1, [A] 104.7.2, [A] 104.7.3, [A] 104.7.4, [A] 104.7.5, [A] 106.2 (New); IPSDC: [A] 104.7, [A] 104.7.1, [A] 104.7.2, [A] 104.7.3, [A] 104.7.4, [A] 104.7.5, [A] 107.2 (New); IPMC: [A] 105.6, [A] 105.6.1, [A] 105.6.2, [A] 105.6.3, [A] 105.6.4, [A] 105.6.5; ISPSC: [A] 104.7, [A] 104.7.1, [A] 104.7.2, [A] 104.7.3, [A] 104.7.4, [A] 104.7.5, [A] 107.2 (New); IWUIC: [A] 104.7, [A] 104.7.1, [A] 104.7.2, [A] 104.7.3, [A] 104.7.4, [A] 104.7.5, [A] 105.9, [A] 106.8, 405.4

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

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2024 International Building Code

Revise as follows:

[A] 104.7 Official records. The *building official* shall keep ~~official~~ records of the agency as required by Sections 104.7.1 through 104.7.5. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the building or *structure* to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**[A] 104.7.1 Approvals.** A record of approvals shall be maintained by the *building official* and shall be available for public inspection during business hours in accordance with applicable laws.~~

[A] 104.7.1 Approvals. The *building official* shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

[A] 104.7.2 Inspections. The *building official* shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

[A] 104.7.3 Code alternatives and modifications. The *building official* shall keep a record of each application, and the final determination of each application, ~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section 104.2.3~~;~~ and modifications submitted in accordance with Section 104.2.4~~; and documentation of the final decision of the *building official* for either shall be in writing and shall be retained in the official records~~.

[A] 104.7.4 Tests. The *building official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.2.4 and 104.2.3.5.

[A] 104.7.5 Fees. The *building official* shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 109.

Delete without substitution:

~~**[A] 107.5 Retention of construction documents.** One set of *approved construction documents* shall be retained by the *building official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.~~

2024 International Existing Building Code

Revise as follows:

[A] 104.7 ~~Official~~ Agency records. The *code official* shall keep ~~official~~ records of the agency as required by Sections 104.7.1 through 104.7.5. Such official records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the structure or activity to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**[A] 104.7.1 Approvals.** A record of approvals shall be maintained by the *code official* and shall be available for public inspection during business hours in accordance with applicable laws.~~

[A] 104.7.1 Approvals. The code official shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

[A] 104.7.2 Inspections. The *code official* shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

[A] 104.7.3 Code alternatives and modifications. The *code official* shall keep a record of each application, and the final determination of each application, ~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section 104.2.3~~;~~ and modifications submitted in accordance with Section 104.2.4~~; and documentation of the final decision of the *building official* for either shall be in writing and shall be retained in the official records~~.

[A] 104.7.4 Tests. The *code official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.2.4 and 104.2.3.5.

[A] 104.7.5 Fees. The *code official* shall ~~keep a~~ record ~~of~~ fees collectedand refunded in accordance with Section 108.

Delete without substitution:

~~**[A] 106.5 Retention of construction documents.** One set of *approved* construction documents shall be retained by the *code official* for a period of not less than the period required for retention of public records.~~

2024 International Fire Code

Revise as follows:

[A] 104.7 ~~Official~~ Agency records. The *fire code official* shall keep ~~official~~ records of the agency as required by Sections 104.7.1 through 104.7.6. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the building or structure to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**[A] 104.7.1 Approvals.** A record of approvals shall be maintained by the *fire code official* and shall be available for public inspection during business hours in accordance with applicable laws.~~

[A] 104.7.1 Approvals. The fire code official shall record each approval issued, including notices and orders issued, showing the finding

and disposition of each.

Revise as follows:

[A] 104.7.2 Inspections. The *fire code official* shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

104.7.3 Fire records. The *fire* code ~~offical~~ official shall ~~keep a~~ record ~~of~~ fires occurring within its jurisdiction and of facts concerning the same, including statistics as to the extent of such fires and the damage caused thereby, together with other information as required by the *fire code official*.

[A] 104.7.4 Code alternatives and modifications. The fire code official shall keep a record of each application, and the final determination of each application, ~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section 104.2.3~~;~~ and each modifications submitted in accordance with Section 104.2.4~~; and documentation of the final decision of the *fire code official* for either shall be in writing and shall be retained in the official records~~.

[A] 104.7.5 Tests. The *fire code official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.2.4 and 104.2.3.5.

[A] 104.7.6 Fees. The *fire code official* shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 108.

[A] 106.4 Retention of construction documents. ~~One set of *construction documents* shall be retained by the *fire code official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.~~ One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.7 ~~Official~~ Agency records. The *code official* shall keep ~~official~~ records of the agency as required by Sections 104.7.1 through 104.7.5. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction~~for not less than 5 years or for as long as the building or structure to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**[A] 104.7.1 Approvals.**. A record of approvals shall be maintained by the *code official* and shall be available for public inspection during business hours in accordance with applicable laws.~~

[A] 104.7.1 Approvals. The *code official* shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

[A] 104.7.2 Inspections. ~~The *code official* shall have the authority to conduct inspections, or shall accept reports of inspection by *approved agencies* or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such *approved agency* or by the responsible individual.~~ The *code official* shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

[A] 104.7.3 Code alternatives and modifications. The *code official* shall keep a record of each application, and the final determination of each application,~~Application~~ for alternative materials, design and methods of construction and *equipment* submitted in accordance

with Section 104.2.3~~;~~ and modifications submitted in accordance with Section 104.2.4~~; and documentation of the final decision of the *code official* for either shall be in writing and shall be retained in the official records.~~

[A] 104.7.4 Tests. The *code official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.2.4 and 104.2.3.5.

[A] 104.7.5 Fees. The *code official* shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 108.

[A] 106.2 Retention of construction documents. ~~One set of *approved construction documents* shall be retained by the *code official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.~~ One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

2024 International Green Construction Code

Revise as follows:

104.8 ~~Official~~ Agency records. The authority having jurisdiction shall keep ~~official~~ records of the agency as required by Sections 104.8.1 through 104.8.5. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the building or structure to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**104.8.1 Approvals.** A record of approvals shall be maintained by the authority having jurisdiction and shall be available for public inspection during business hours in accordance with applicable laws.~~

104.8.1 Approvals. The *authority having jurisdiction*shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

104.8.2 Inspections. The code official shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

104.8.3 Code alternatives and modifications. The *code official* shall keep a record of each application, and the final determination of each application.~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section 104.2.5~~;~~ and modifications submitted in accordance with Section 104.2.6~~; and documentation of the final decision of the authority having jurisdiction for either shall be in writing and shall be retained in the official records~~.

104.8.4 Tests. The authority having jurisdictionshall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.2.4 and 104.2.5.5.

104.8.5 Fees. The authority having jurisdiction shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 108.

2024 International Mechanical Code

Revise as follows:

[A] 104.7 ~~Official~~ Agency records. The code official shall keep ~~official~~ records of the agency as required by Sections 104.7.1 through 104.7.5. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the *building* or structure to which such records relate remains in existence, unless~~

~~otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**104.7.1 Approvals.** A record of approvals shall be maintained by the code official and shall be available for public inspection during business hours in accordance with applicable laws.~~

104.7.1 Approvals. The *code official* shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

104.7.2 Inspections. ~~The code official shall have the authority to conduct inspections, or shall accept reports of inspection by approved agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such approved agency or by the responsible individual.~~ The code official shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

104.7.3 Code alternatives and modifications. The *code official* shall keep a record of each application, and the final determination of each application,~~Application~~ for alternative materials, design and methods of construction and *equipment* submitted in accordance with Section 104.2.3~~;~~ and modifications in accordance with Section 104.2.4~~; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records~~.

104.7.4 Tests. The *code official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.2.4 and 104.2.3.5.

104.7.5 Fees. The code official shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 108.

[A] 106.2 Retention of construction documents. ~~One set of *approved construction documents* shall be retained by the code official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.~~ One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the *building* or job at all times during which the work authorized thereby is in progress.

2024 International Plumbing Code

Revise as follows:

[A] 104.7 ~~Official~~ Agency records. The code official shall keep ~~official~~ records of the agency as required by Sections 104.7.1 through 104.7.5. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the building or structure to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**[A] 104.7.1 Approvals.** A record of approvals shall be maintained by the code official and shall be available for public inspection during business hours in accordance with applicable laws.~~

[A] 104.7.1 Approvals. The *code official* shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

[A] 104.7.2 Inspections. ~~The code official shall have the authority to conduct inspections, or shall accept reports of inspection by~~

~~approved agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such approved agency or by the responsible individual.~~ The code official shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

[A] 104.7.3 Code alternatives and modifications. The *code official* shall keep a record of each application, and the final determination of each application.~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section 104.2.3~~;~~ and modifications submitted in accordance with Section 104.2.4~~; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records~~.

[A] 104.7.4 Tests. The *code official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.2.4 and 104.2.3.5.

[A] 104.7.5 Fees. The code official shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 108.

[A] 106.2 Retention of construction documents. ~~One set of *approved* construction documents shall be retained by the code official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.~~One set of *approved* construction documents shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.7 ~~Official~~ Agency records. The code official shall keep ~~official~~ records of the agency as required by Sections 104.7.1 through 104.7.5. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the building or structure to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**[A] 104.7.1 Approvals.** A record of approvals shall be maintained by the code official and shall be available for public inspection during business hours in accordance with applicable laws.~~

[A] 104.7.1 Approvals. The *code official* shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

[A] 104.7.2 Inspections. ~~The code official shall have the authority to conduct inspections, or shall accept reports of inspection by approved agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such approved agency or by the responsible individual.~~ The code official shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

[A] 104.7.3 Code alternatives and modifications. The *code official* shall keep a record of each application, and the final determination of each application.~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section 104.2.3~~;~~ and modifications submitted in accordance with Section 104.2.4~~; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records~~.

[A] 104.7.4 Tests. The *code official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.2.4 and 104.2.3.5.

[A] 104.7.5 Fees. The code official shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 106.

[A] 107.2 Retention of construction documents..

~~One set of approved *construction documents* shall be retained by the *code official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.~~ One set of approved *construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.6 ~~Official~~ Agency records. The *code official* shall keep ~~official~~ records of the agency as required by Sections 105.6.1 through 105.6.5. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the building or structure to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**[A] 105.6.1 Approvals**. A record of approvals shall be maintained by the code official and shall be available for public inspection during business hours in accordance with applicable laws.~~

[A] 105.6.1 Approvals. The *code official* shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

[A] 105.6.2 Inspections. ~~The code official shall have the authority to conduct inspections, or shall accept reports of inspection by approved agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such approved agency or by the responsible individual.~~ The code official shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

[A] 105.6.3 Code alternatives and modifications. The *code official* shall keep a record of each application, and the final determination of each application.~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section 105.2.2~~;~~ and modifications submitted in accordance with Section 105.2.3~~; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records~~.

[A] 105.6.4 Tests. The *code official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 105.2.1.4 and 105.2.2.5.

[A] 105.6.5 Fees. The code official shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 104.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.7 ~~Official~~ Agency records. The code official shall keep ~~official~~ records as required by Sections 104.7.1 through 104.7.5. Such ~~official~~ records shall be retained for not less and made available to the public where required by the laws and ordinances of this jurisdiction ~~than 5 years or for as long as the building or structure to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**[A] 104.7.1 Approvals.** A record of approvals shall be maintained by the code official and shall be available for public inspection during business hours in accordance with applicable laws.~~

[A] 104.7.1 Approvals. The *code official* shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

[A] 104.7.2 Inspections. ~~The code official shall have the authority to conduct inspections, or shall accept reports of inspection by approved agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such approved agency or by the responsible individual.~~ The code official shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

[A] 104.7.3 Code alternatives and modifications. The *code official* shall keep a record of each application, and the final determination of each application.~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section 104.2.3~~;~~ and modifications submitted in accordance with Section 104.2.4~~; and documentation of the final decision of the code official for either shall be in writing and shall be retained in the official records~~.

[A] 104.7.4 Tests. The *code official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.2.4 and 104.2.3.5.

[A] 104.7.5 Fees. The code official shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 109.

[A] 107.2 Retention of construction documents.

~~One set of approved *construction documents* shall be retained by the *code official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.~~ One set of approved *construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.7 ~~Official~~ Agency records. The *code official* shall keep ~~official~~ records of the agency as required by Sections 104.7.1 through 104.7.5. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the structure or activity to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**[A] 104.7.1 Approvals.** A record of approvals shall be maintained by the *code official* and shall be available for public inspection during business hours in accordance with applicable laws.~~

[A] 104.7.1 Approvals. The *code official* shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

[A] 104.7.2 Inspections. The *code official* shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

[A] 104.7.3 Code alternatives and modifications. The *code official* shall keep a record of each application, and the final determination of each application.~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section 104.2.2~~;~~ and modifications in accordance with Section 104.2.3~~; and documentation of the final decision of the *code official* for either shall be in writing and shall be retained in the official records~~.

[A] 104.7.4 Tests. The *code official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections 104.2.1.4 and 104.2.2.5.

[A] 104.7.5 Fees. The *code official* shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section 108.

Delete without substitution:

~~**[A] 105.9 Retention of permits.** Permits shall at all times be kept on the premises designated therein and shall at all times be subject to inspection by the *code official* or other authorized representative.~~

Revise as follows:

[A] 106.8 Retention of plans. ~~One set of *approved* plans, specifications and computations shall be retained by the *code official* for a period of not less than 180 days from date of completion of the permitted work or as required by state or local laws;~~ and one set of *approved* plans and specifications shall be returned to the applicant, and said set shall be kept on the site of the building, use or work at all times during which the work authorized thereby is in progress.

Delete without substitution:

~~**405.4 Plan retention.** The *fire protection plan* shall be retained by the *code official*.~~

ADM28-25 Part I

ADM28-25 Part II

IRC: R104.7, R104.7.1, R104.7.2, R104.7.3, R104.7.4, R104.7.5, R106.5, APPENDIX BA, BA106.2

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Residential Code

Revise as follows:

R104.7 ~~Official~~ Agency records. The *building official* shall keep ~~official~~ records of the agency as required in Sections R104.7.1 through R104.7.5. Such ~~official~~ records shall be retained and made available to the public where required by the laws and ordinances of this jurisdiction ~~for not less than 5 years or for as long as the building or structure to which such records relate remains in existence, unless otherwise provided by other regulations~~.

Delete and substitute as follows:

~~**R104.7.1 Approvals.** A record of approvals shall be maintained by the *building official* and shall be available for public inspection during business hours in accordance with applicable laws.~~

R104.7.1 Approvals. The *building official* shall record each approval issued, including notices and orders issued, showing the finding and disposition of each.

Revise as follows:

R104.7.2 Inspections. ~~The code official shall have the authority to conduct inspections, or shall accept reports of inspection by approved agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such approved agency or by the responsible individual.~~ The *building official* shall ~~keep a~~ record ~~of~~ each inspection made, including notices and orders issued, ~~showing~~ and the findings and disposition of each.

R104.7.3 Code alternatives and modifications. The *building official* shall keep a record of each application, and the final determination of each application.~~Application~~ for alternative materials, design and methods of construction and equipment submitted in accordance with Section R104.2.2~~;~~ and modifications submitted in accordance with Section R104.2.3~~; and documentation of the final decision of the *building official* for either shall be in writing and shall be retained in the official records~~.

R104.7.4 Tests. ~~Tests.~~ The *building official* shall ~~keep a~~ record ~~of tests~~ test information submitted ~~conducted~~ to comply with Sections R104.2.2.5.

R104.7.5 Fees. The *building official* shall ~~keep a~~ record ~~of~~ fees collected and refunded in accordance with Section R108.

Delete without substitution:

~~**R106.5 Retention of construction documents.** One set of *approved construction documents* shall be retained by the *building official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.~~

APPENDIX BA
MANUFACTURED HOUSING USED AS DWELLINGS

~~**BA106.2 Retention of plans.** One set of *approved* plans and specifications shall be returned to the applicant and shall be kept on the site of the *building* or work at all times during which the work authorized thereby is in progress. One set of *approved* plans, specifications and computations shall be retained by the *building official* until final approval of the work.~~

Reason: This code change removes the default 5-year record retention period, clarifying that records must be retained and made available to the public solely according to local laws and ordinances, along with various editorial changes.

Virtually every jurisdiction has established record retention schedules, whether locally or at the state level. The previous 5-year default could cause confusion, as officials might misinterpret it as a minimum requirement, potentially overriding local laws with shorter retention times leading to unintentional non-compliance. Additionally, the public could be misled about actual retention periods, hindering access to information and creating over-reliance on agencies to maintain building records that should ultimately be the owner's responsibility.

Removing the default emphasizes that local laws are the sole authority on record retention. This simplifies the code and encourages code officials and the public to refer to the proper authority for records retention.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The changes in this code are editorial and emphasizes the codes existing deference to other laws and ordinances.

ADM28-25 Part II

ADM29-25 Part I

IBC: [A] 104.9.1; IEBC: [A] 104.9.1; IFC: [A] 104.9.1; IFGC: [A] 104.9.1; IGCC: 104.10.1; IMC®: [A] 104.9.1; IPC: [A] 104.9.1; IPSDC: [A] 104.9.1; IPMC: [A] 105.8.1; ISPSC: [A] 104.9.1; IWUIC: [A] 104.9.1

Proponents: Kevin Scott, KH Scott & Associates LLC, representing self (khscottassoc@gmail.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

2024 International Existing Building Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

2024 International Fire Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse~~.~~. Materials, *equipment* and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.

2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

2024 International Green Construction Code

Revise as follows:

104.10.1 Material, product and equipment reuse. Materials, products, equipment and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

2024 International Mechanical Code

Revise as follows:

[A] 104.9.1 Material and equipment reuse. Materials, *equipment* and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

2024 International Plumbing Code

Revise as follows:

[A] 104.9.1 Material and equipment reuse. Materials, equipment and devices shall not be reused unless such elementscomply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elementsare in good working condition, ~~and~~*approved*, and used in the same type of application as the original installation.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.

2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.8.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

ADM29-25 Part I

ADM29-25 Part II

IRC: R104.9.1

Proponents: Kevin Scott, KH Scott & Associates LLC, representing self (khscottassoc@gmail.com)

2024 International Residential Code

Revise as follows:

R104.9.1 Materials and equipment reuse. Materials, *equipment* and devices shall not be reused unless such elements comply with at least one of the following:

1. The elements are listed as rebuilt equipment and installed in accordance with the listing, the manufacturer's installation instructions and this code.
2. The elements are in good working condition, ~~and~~ *approved*, and used in the same type of application as the original installation.

Reason: The reuse of materials, equipment and devices is very common for a variety of reasons. Those reasons include sustainability, cost, availability of products, installation design, or a product is no longer manufactured. A product that can meet the needs of the owner and still perform the desired functions should not be prohibited just because of being an existing item.
However, guidance and tools to provide approval for their reuse are needed. Current language in Chapter 1 requires reused materials to be in good working condition and to be approved. Certain factors need to be considered before such approval.
Equipment and devices that are recertified to be in accordance with the listing standard are included in Item 1. These items are listed as rebuilt equipment and should be allowed based on the additional listing.

Equipment and devices can also be approved in Item 2 provided they are in good working condition, approved by the code official, and reused in the same application as the original installation. For example, this would allow faucets on a sink to be reinstalled as faucets on a sink provided they are in good working condition. It would not allow gas piping to be reinstalled as water piping.

Cost Impact: Decrease

Estimated Immediate Cost Impact:

$0. This proposal presents the ability to reuse materials rather than purchase new.

Estimated Immediate Cost Impact Justification (methodology and variables):

The fact that this revision allows for the reuse of materials would reduce the cost of construction because new materials would not need to be purchased. There could be a cost to have the previously used material evaluated, examined or tested. The cost for this analysis would be measured against the cost of purchasing new materials or equipment. The owner has the option to choose which path to follow.

ADM30-25 Part I

IBC: [A] 104.9.1, [A] 104.9.1.1 (New), [A] 104.9.1.1.1 (New), [A] 104.9.1.2 (New); IEBC: [A] 104.9.1, 104.9.1.1 (New), 104.9.1.1.1 (New), 104.9.1.2 (New); IFC: [A] 104.9.1, 104.9.1.1 (New), 104.9.1.1.1 (New), 104.9.1.2 (New); IFGC: [A] 104.9.1, 104.9.1.1 (New), 104.9.1.1.1 (New), 104.9.1.2 (New); IMC®: [A] 104.9.1, 104.9.1.1 (New), 104.9.1.1.1 (New), 104.9.1.2 (New); IPC: [A] 104.9.1, 104.9.1.1 (New), 104.9.1.1.1 (New), 104.9.1.2 (New); IPSDC: [A] 104.9.1, 104.9.1.1 (New), 104.9.1.1.1 (New), 104.9.1.2 (New); IPMC: [A] 105.8.1, 105.8.1.1 (New), 105.8.1.1.1 (New), 105.8.1.2 (New); ISPSC: [A] 104.9.1, 104.9.1.1 (New), 104.9.1.1.1 (New), 104.9.1.2 (New); IWUIC: [A] 104.9.1, 104.9.1.1 (New), 104.9.1.1.1 (New), 104.9.1.2 (New)

Proponents: John Taecker, Taecker Codes & Technical Services, representing Taecker Codes & Technical Services (john@taeckercodes.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless ~~such elements are in good working condition and~~ approved in accordance with Sections 104.9.1.1 through 104.9.1.2.

Add new text as follows:

[A] 104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

[A] 104.9.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

[A] 104.9.1.2 Required inspection. The *building official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

2024 International Existing Building Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements are ~~in good working condition and~~ *approved* in accordance with Sections 104.9.1.1 through 104.9.1.2.

Add new text as follows:

104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

104.9.1.1.1 Condition of reused materials, equipment and devices. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

104.9.1.2 Required inspection. The *code official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

2024 International Fire Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements are ~~in good working order and~~ *approved* in accordance with Sections 104.9.1.1 through 104.9.1.2.

Add new text as follows:

104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

104.9.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

104.9.1.2 Required inspection. The *fire code official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical

assistance is permitted to be provided in accordance with Section 104.2.2.

2024 International Fuel Gas Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse.. Materials, *equipment* and devices shall not be reused unless such elements are ~~in good working condition and~~ *approved* in accordance with Sections 104.9.1.1 through 104.9.1.2. .

Add new text as follows:

104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition
4. Installed and used in compliance with this code

104.9.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

104.9.1.2 Required inspection. The *code official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

2024 International Mechanical Code

Revise as follows:

[A] 104.9.1 Material and equipment reuse. Materials, *equipment* and devices shall not be reused unless such elements are ~~in good working condition and~~ *approved* in accordance with Sections 104.9.1.1 through 104.9.1.2.

Add new text as follows:

104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

104.9.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

104.9.1.2 Required inspection. The *code official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

2024 International Plumbing Code

Revise as follows:

[A] 104.9.1 Material and equipment reuse. Materials, equipment and devices shall not be reused unless such elements are ~~in good working condition and~~ *approved* in accordance with Sections 104.9.1.1 through 104.9.1.2.

Add new text as follows:

104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

104.9.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

104.9.1.2 Required inspection. The *code official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements are ~~in good working condition and~~ approved in accordance with Sections 104.9.1.1 through 104.9.1.2..

Add new text as follows:

104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where

such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

104.9.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

104.9.1.2 Required inspection. The *code official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

2024 International Property Maintenance Code

Revise as follows:

[A] 105.8.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements are ~~in good working condition and~~ approved in accordance with Sections 105.8.1.1 through 105.8.1.2. .

Add new text as follows:

105.8.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

105.8.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

105.8.1.2 Required inspection. The *code official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements are ~~in good working condition and~~ approved in accordance with Sections 104.9.1.1 through 104.9.1.2..

Add new text as follows:

104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

104.9.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

104.9.1.2 Required inspection. The *code official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 104.9.1 Materials and equipment reuse. Materials, equipment and devices shall not be reused unless such elements are ~~in good working order and~~ *approved* in accordance with Sections 104.9.1.1 through 104.9.1.2..

Add new text as follows:

104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

104.9.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

104.9.1.2 Required inspection. The *code official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

ADM30-25 Part I

ADM30-25 Part II

IRC: R104.9.1, 104.9.1.1 (New), 104.9.1.1.1 (New), 104.9.1.2 (New)

Proponents: John Taecker, Taecker Codes & Technical Services, representing Taecker Codes & Technical Services (john@taeckercodes.com)

2024 International Residential Code

Revise as follows:

R104.9.1 Materials and equipment reuse. Materials, *equipment* and devices shall not be reused unless such elements are ~~in good working condition and~~ *approved* in accordance with Sections 104.9.1.1 through 104.9.1.2. .

Add new text as follows:

104.9.1.1 Condition of reused materials, equipment and devices. Materials, equipment and devices are permitted to be reused where such elements meet all of the following conditions:

1. Not damaged, broken, or deteriorated.
2. Reused in the same type of application.
3. In good working condition.
4. Installed and used in compliance with this code.

104.9.1.1.1 Electrical equipment exposed to fire or water. Electrical equipment, appliances or devices that have been exposed to fire or water shall not be permitted to be reused.

Exception: Electrical equipment, appliances or devices shall be allowed to be reused where an inspection report from the equipment manufacturer, an *approved* manufacturer's representative or an *approved* field evaluation body indicates that the equipment has not sustained damage, or has been *listed* and *labeled* as rebuilt equipment.

104.9.1.2 Required inspection. The *building official* is authorized to require *approved* professionals to verify, at the expense of the owner, that the used material, equipment or devices are suitable to be reused for the application in accordance with this code. Technical assistance is permitted to be provided in accordance with Section 104.2.2.

Reason: The reuse of materials, equipment and devices is very common for a variety of reasons. Those reasons include sustainability concerns, cost, availability of products, installation design, or a product is no longer manufactured. A product that can meet the needs of the consumer and still perform the desired functions should not be prohibited just because of being an existing item.

However, guidance and tools to provide approval, as well as guardrails to provide reasonable safeguards regarding reuse are needed to address health, safety and welfare as required by the codes. Chapter 1 of the existing codes only require reused materials, equipment and devices to be in good working condition and be approved. Other factors need to be considered before reuse. There are a few specific requirements for some materials, equipment and devices in the codes, but not all situations are addressed. For example, there are specific requirements for salvage lumber in IBC Section 2303.1.1.3 and IRC Sections R502.1.1.1 and R602.1.1.1, but there are no specific requirements that would prohibit the use of a fuel gas pipe for water piping.

Some additional factors to consider, besides "good working condition", include:

1. Damaged, broken, or deteriorated due to time or previous use
2. Not used for its original purpose
3. Subjected to fire, seismic, wind or water damage

There are specific requirements in the International Property Maintenance Code (Sections 604.3.1 and 604.3.2) that address electrical equipment that has been subjected to fire or water damage. There are also specific requirements in NFPA 70 (Sections 110.20 and 110.21) for reuse of electrical equipment.

The code official does have the ability to require technical assistance to determine code compliance in accordance with Section 104.2.2, but that section does not specifically permit the use of a third party inspection to determine if material, equipment or devices are suitable to be reused.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This change has the potential to lower cost impacts by allowing materials that are suitable for the purpose to be reused. There is also the potential of a cost impact that would be related to the investigation and creation of a report for a specific product or the cost of a field evaluation. The cost in this case is not the major concern. If an owner desires a specific item, material, or piece of equipment to be reused, the owner needs to evaluate the costs related to the reuse versus the cost of replacing it with new. In other cases, there will be no cost impact.

ADM30-25 Part II

ADM31-25 Part I

IBC: 104.10 (New); IEBC: 104.10 (New); IFC: 104.12 (New); IFGC: 104.10 (New); IGCC: 104.11 (New); IMC®: 104.10 (New); IPC: 104.10 (New); IPSDC: 104.10 (New); IPMC: [A] 102.5; ISPSC: 104.10 (New); IWUIC: 104.11 (New)

Proponents: Bryan Toepfer, representing NY DOS (bryan.toepfer@dos.ny.gov); Chad Sievers, NYS, representing NYS Dept of State (chad.sievers@dos.ny.gov); Jeanne Rice, representing NYSDOS (jeanne.rice@dos.ny.gov); China Clarke, representing New York State Dept of State (china.clarke@dos.ny.gov); Larissa DeLango, representing NYSDOS (larissa.delango@dos.ny.gov); Daniel Carroll, New York State Department of State, representing Division of Building Standards and Codes (daniel.carroll@dos.ny.gov); Bryant Arms, representing NYS DOS (bryant.arms@dos.ny.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Add new text as follows:

104.10 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

2024 International Existing Building Code

Add new text as follows:

104.10 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

2024 International Fire Code

Add new text as follows:

104.12 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

2024 International Fuel Gas Code

Add new text as follows:

104.10 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

2024 International Green Construction Code

Add new text as follows:

104.11 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

2024 International Mechanical Code

Add new text as follows:

104.10 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in

accordance with this code and the manufacturer's installation instructions.

2024 International Plumbing Code

Add new text as follows:

104.10 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

2024 International Private Sewage Disposal Code

Add new text as follows:

104.10 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

2024 International Property Maintenance Code

Revise as follows:

[A] 102.5 Workmanship. Repairs, maintenance ~~work~~, alterations or installations ~~that are caused directly or indirectly by the enforcement of this code~~ shall be executed and installed in a *workmanlike* manner and installed in accordance with this code and the manufacturer's installation instructions.

2024 International Swimming Pool and Spa Code

Add new text as follows:

104.10 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

2024 International Wildland Urban Interface Code

Add new text as follows:

104.11 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

ADM31-25 Part II

IRC: R104.10 (New)

Proponents: Bryan Toepfer, representing NY DOS (bryan.toepfer@dos.ny.gov); Chad Sievers, NYS, representing NYS Dept of State (chad.sievers@dos.ny.gov); Jeanne Rice, representing NYSDOS (jeanne.rice@dos.ny.gov); China Clarke, representing New York State Dept of State (china.clarke@dos.ny.gov); Larissa DeLango, representing NYSDOS (larissa.delango@dos.ny.gov); Daniel Carroll, New York State Department of State, representing Division of Building Standards and Codes (daniel.carroll@dos.ny.gov); Bryant Arms, representing NYS DOS (bryant.arms@dos.ny.gov)

2024 International Residential Code

Add new text as follows:

R104.10 Workmanship. Repairs, maintenance, alterations or installations shall be executed and installed in a workmanlike manner in accordance with this code and the manufacturer's installation instructions.

Reason: This code proposal suggests adding a provision to all the code books regarding "workmanship," as well as editing the provision in the International Property Maintenance Code.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This code proposal will have no cost impact, as it is editing the language in the International Property Maintenance Code, as well as adding this provision to all the other code books. It is editorial in nature and does not change the intent of any code language.

ADM32-25 Part I

IBC: [A] 105.1.1, [A] 114.1, SECTION 202, [F] 414.1.3, H104.1; IEBC: [A] 105.1.1, [A] 113.1; IFC: [A] 113.1, [A] 105.1.6, SECTION 202, 2006.4.4, 5003.3.1.4; IFGC: [A] 105.1.1, [A] 113.1; IMC®: [A] 105.1.1, [A] 114.1; IPC: [A] 105.1.1, [A] 114.1; IPMC: [A] 107.1, SECTION 202; IPSDC: [A] 105.1.1, [A] 113.1; ISPSC: [A] 113.1, SECTION 202; IZC: SECTION 202

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 105.1.1 Annual permit. Instead of an individual *permit* for each *alteration* to an already *approved* electrical, gas, mechanical or plumbing installation, the *building official* is authorized to issue an annual *permit* upon application therefor to any *person*~~, firm or corporation~~ regularly employing one or more qualified tradespersons in the building, *structure* or on the premises owned or operated by the applicant for the *permit*.

[A] 114.1 Unlawful acts. It shall be unlawful for any *person*~~, firm or corporation~~ to erect, construct, alter, extend, *repair*, move, remove, demolish or occupy any *building*, *structure* or equipment regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

[BS] APPROVED FABRICATOR. An established and qualified *person*~~, firm or corporation~~ *approved* by the *building official* pursuant to Chapter 17 of this code.
[A] APPROVED SOURCE. An independent *person*~~, firm or corporation,~~ *approved* by the *building official*, who is competent and experienced in the application of engineering principles to materials, methods or systems analyses.
[A] OWNER. Any *person*~~, agent, operator, entity, firm or corporation~~ having any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such *person*, and the executor or administrator of the estate of such *person* if ordered to take possession of real property by a court.
[A] PERSON. An individual, heirs, executors, administrators or assigns, and also includes a firm, partnership or corporation, its or their successors or assigns, or the agent of any of the aforesaid.

[F] 414.1.3 Information required. A report shall be submitted to the *building official* identifying the maximum expected quantities of *hazardous materials* to be stored, used in a *closed system* and used in an *open system*, and subdivided to separately address *hazardous material* classification categories based on Tables 307.1(1) and 307.1(2). The methods of protection from such hazards, including but not limited to *control areas*, *fire protection systems* and Group H occupancies shall be indicated in the report and on the *construction documents*. The opinion and report shall be prepared by a qualified *person*~~, firm or corporation~~ *approved* by the *building official* and provided without charge to the enforcing agency.

For *buildings* and *structures* with an occupancy in Group H, separate floor plans shall be submitted identifying the locations of anticipated contents and processes so as to reflect the nature of each occupied portion of every building and *structure*.

H104.1 Identification. Every outdoor advertising *display sign* hereafter erected, constructed or maintained, for which a *permit* is required, shall be plainly marked with the name of the *person*~~, firm or corporation~~ erecting and maintaining such *sign* and shall have affixed on the front thereof the *permit* number issued for said *sign* or other method of identification *approved* by the *building official*.

2024 International Existing Building Code

Revise as follows:

[A] 105.1.1 Annual permit. Instead of an individual permit for each *alteration* to an already *approved* electrical, gas, mechanical, or

plumbing installation, the *code official* is authorized to issue an annual permit on application therefor to any person~~, firm or corporation~~ regularly employing one or more qualified trade persons in the building, structure, or on the premises owned or operated by the applicant for the permit.

[A] 113.1 Unlawful acts. It shall be unlawful for any person~~, firm or corporation~~ to *repair*, alter, extend, add, move, remove, demolish or change the occupancy of any building or equipment regulated by this code or cause same to be done in conflict with or in violation of any of the provisions of this code.

2024 International Fire Code

Revise as follows:

[A] 113.1 Unlawful acts. It shall be unlawful for a person~~, firm or corporation~~ to erect, construct, alter, repair, remove, demolish or utilize a building, occupancy, premises or system regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

[A] 105.1.6 Annual permit. Instead of an individual construction permit for each *alteration* to an already *approved* system or equipment installation, the *fire code official* is authorized to issue an annual permit on application therefor to any person~~, firm or corporation~~ regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

[A] OWNER. Any person~~, agent, operator, entity, firm or corporation~~ having any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.
[A] PERSON. An individual, heirs, executors, administrators or assigns, and also includes a firm, partnership or corporation, its or their successors or assigns, or the agent of any of the aforesaid.

2006.4.4 Operators. Aircraft-fueling vehicles that are operated by a person~~, firm or corporation~~ other than the permittee or the permittee's authorized employee shall be provided with a legible sign visible from outside the vehicle showing the name of the person, firm or corporation operating such unit.

5003.3.1.4 Responsibility for cleanup. The person~~, firm or corporation~~ responsible for an unauthorized discharge shall institute and complete all actions necessary to remedy the effects of such unauthorized discharge, whether sudden or gradual, without cost to the jurisdiction. Where deemed necessary by the *fire code official*, cleanup can be initiated by the fire department or by an authorized individual or firm. Costs associated with such cleanup shall be borne by the ~~*owner*, operator or other~~ *person* responsible for the unauthorized discharge.

2024 International Fuel Gas Code

Revise as follows:

[A] 105.1.1 Annual permit. Instead of an individual construction permit for each *alteration* to an already *approved* system or *equipment* installation, the *code official* is authorized to issue an annual permit upon application therefor to any person~~, firm or corporation~~ regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

[A] 113.1 Unlawful acts. It shall be unlawful for a person~~, firm or corporation~~ to erect, construct, alter, repair, remove, demolish or utilize an installation, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

2024 International Mechanical Code

Revise as follows:

[A] 105.1.1 Annual permit. Instead of an individual construction permit for each *alteration* to an already *approved* system or *equipment* or application installation, the code official is authorized to issue an annual permit upon application therefor to any person~~, firm or corporation~~ regularly employing one or more qualified tradespersons in the *building*, structure or on the premises owned or operated by the applicant for the permit.

[A] 114.1 Unlawful acts. It shall be unlawful for a person~~, firm or corporation~~ to erect, construct, alter, repair, remove, demolish or utilize a mechanical system, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

2024 International Plumbing Code

Revise as follows:

[A] 105.1.1 Annual permit. Instead of an individual construction permit for each alteration to an already *approved* system or equipment or appliance installation, the code official is authorized to issue an annual permit upon application therefor to any person~~, firm or corporation~~ regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

[A] 114.1 Unlawful acts. It shall be unlawful for any person~~, firm or corporation~~ to erect, construct, alter, repair, remove, demolish or utilize any plumbing system, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

2024 International Property Maintenance Code

Revise as follows:

[A] 107.1 Unlawful acts. It shall be unlawful for a *person*~~, firm or corporation~~ to be in conflict with or in violation of any of the provisions of this code.

[A] OWNER. Any *person*~~, agent, *operator*, firm or corporation~~ having legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding title to the property; or otherwise having control of the property, including the guardian of the estate of any such *person*, and the executor or administrator of the estate of such *person* if ordered to take possession of real property by a court.

Delete and substitute as follows:

~~**[A] PERSON.** An individual, corporation, partnership or any other group acting as a unit.~~
[A] PERSON. An individual, heirs, executors, administrators or assigns, and also includes a firm, partnership or corporation, its or their successors or assigns, or the agent of any of the aforesaid.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 105.1.1 Annual permit. Instead of an individual construction permit for each alteration to an already approved system or equipment or appliance installation, the *code official* is authorized to issue an annual permit upon application therefor to any person~~, firm or corporation~~ regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

[A] 113.1 Unlawful acts. It shall be unlawful for any person~~, firm or corporation~~ to erect, construct, alter, repair, remove, demolish or use any *private sewage disposal system*, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 113.1 Unlawful acts. It shall be unlawful for any person~~, firm or corporation~~ to erect, construct, alter, repair, remove, demolish or utilize any system, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

[A] OWNER. Any person~~, agent, operator, entity, firm or corporation~~ having any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

2024 International Zoning Code

[A] PERSON. An individual, heirs, executors, administrators or assigns, and includes a firm, partnership or corporation, its or their successors or assigns, or the agent of any of the aforesaid.

ADM32-25 Part I

ADM32-25 Part II

IRC: R113.1, SECTION 202

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Residential Code

Revise as follows:

R113.1 Unlawful acts. It shall be unlawful for any *person*~~, firm or corporation~~ to erect, construct, alter, extend, *repair*, move, remove, demolish or occupy any *building*, structure or equipment regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

[RB] APPROVED SOURCE. An independent *person*~~, firm or corporation,~~ *approved* by the *building official*, who is competent and experienced in the application of engineering principles to materials, methods or systems analyses. For the definition applicable in Chapter 11, see Section N1101.6.
[RB] OWNER. Any *person*~~, agent, firm or corporation~~ having a legal or equitable interest in the property~~.~~; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such*person*, and the executor or administrator of the estate of such*person* if ordered to take possession of real property by a court.
[RB] PERSON. An individual, heirs, executors, administrators or assigns, and a firm, partnership or corporation, its or their successors or assigns, or the agent of any of the aforesaid.

Reason: The inclusion of "firm or corporation" in the phrase "person, firm or corporation [,]" is redundant and creates unnecessary complexity in our code. The provided definition of "person" explicitly encompasses firms, partnerships, and corporations. Therefore, specifying "firm or corporation" adds no legal meaning and serves only to clutter the language. This is akin to saying "humans, men or women"—the broader term already encompasses the more specific categories.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This code change removes redundant language.

ADM33-25

IFC: [A] 105.1.5, 105.1.5.1 (New), SECTION 202 (New)

Proponents: Jeffrey Hugo, NFSA - National Fire Sprinkler Association, representing NFSA (hugo@nfsa.org)

2024 International Fire Code

[A] 105.1.5 Repairs. Application or notice to the *fire code official* is not required for ordinary repairs to structures, equipment or systems. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or change of any required *means of egress*, or rearrangement of parts of a structure affecting the egress requirements; nor shall any repairs include addition to, *alteration* of, replacement or relocation of any standpipe, fire protection water supply, *automatic sprinkler system*, fire alarm system or other work affecting fire protection or life safety.

Add new text as follows:

105.1.5.1 Repairs performed as maintenance. *Fire protection system repairs* conducted as maintenance in accordance with Section 901.6 of this code shall not be considered modifications or replacements requiring a permit.

Add new definition as follows:

[A] REPAIR. The reconstruction, replacement or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.

Reason: This proposed new text to Section [A] 105.1.5.1 Repairs Performed as Maintenance clarifies that routine repairs and like-for-like replacements of fire sprinkler system components, as outlined in Section 901.6, do not require a permit. By incorporating the definition of "repair" from the IBC, IRC, and IEBC—the reconstruction, replacement, or renewal of any part of an existing building for maintenance or damage correction—the proposal ensures clear guidance on activities exempt from permit requirements. This amendment aligns with the code's intent to maintain operable fire protection systems while streamlining routine maintenance tasks and supporting timely repairs to enhance life safety.

- Clarifying the Definition of Repairs: Incorporates the existing definition of "repair" in the code (*the reconstruction, replacement, or renewal of any part of an existing building for maintenance or damage correction*), ensuring clear guidance on routine maintenance activities exempt from permit requirements.
- Encouraging Timely Repairs: Exempts like-for-like replacements of fire sprinkler components, such as sprinklers and minor parts (e.g., O-rings, gaskets), from permit requirements, reducing administrative delays and keeping systems operational.
- Inspection and testing per NFPA 25, NFPA 72 and on: Inspection, testing, and maintenance are foundational to system reliability and are already mandated by NFPA 25 and NFPA 72 (and more) enforced by the IFC and IPMC. These activities are routine and ensure systems remain operational. Requiring permits for these routine tasks do not need code official oversight. Many jurisdictions are getting inspection reports through a third party observing the inspections occurring in their jurisdiction already.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The IFC currently allows maintenance to occur without a permit. This change elaborates on the maintenance activities that are exempt from permits.

ADM34-25 Part I

IBC: [A] 105.2; IWUIC: [A] 105.3

Proponents: Lucas Pump, City of Cedar Rapids, representing Self (l.pump@cedar-rapids.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATION CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 105.2 Work exempt from permit. Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this *jurisdiction*. *Permits* shall not be required for the following:

Building:

1. One-story detached accessory *structures* used as tool and storage sheds, playhouses, gazebos, pergolas and similar uses, provided that the floor area is not greater than 120 square feet (11 m^2).
2. Fences, other than swimming pool barriers, not over 7 feet (2134 mm) high.
3. Oil derricks.
4. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or IIIA liquids.
5. Water tanks supported directly on grade if the capacity is not greater than 5,000 gallons (18 925 L) and the ratio of height to diameter or width is not greater than 2:1.
6. Sidewalks and driveways not more than 30 inches (762 mm) above adjacent grade, and not over any *basement* or *story* below and are not part of an *accessible route*.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated *swimming pools* accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, are not greater than 5,000 gallons (18 925 L) and are installed entirely above ground.
10. Shade cloth *structures* constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to detached one- and two-family *dwellings*.
12. Window *awnings* in Group R-3 and U occupancies, supported by an *exterior wall* that do not project more than 54 inches (1372 mm) from the *exterior wall* and do not require additional support.
13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

Electrical:

1. ***Repairs* and maintenance:** Minor *repair* work, including the replacement of lamps or the connection of *approved* portable electrical equipment to *approved* permanently installed receptacles.
2. **Radio and television transmitting stations:** The provisions of this code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.
3. **Temporary testing systems:** A *permit* shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliance.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance.
2. Portable ventilation equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any part that does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration system containing 10 pounds (4.54 kg) or less of refrigerant and actuated by motors of 1 horsepower (0.75 kW) or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a *permit* shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided that such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 105.3 Work exempt from permit. Unless otherwise provided in the requirements of the *International Building Code* or *International Fire Code*, a permit shall not be required for the following:

1. One-story detached accessory structures used as tool and storage sheds, playhouses, gazebos, pergolas and similar uses, provided that the floor area does not exceed 120 square feet (11.15 m^2) and the structure is located more than 50 feet (15 240 mm) from the nearest adjacent structure.
2. Fences not over 6 feet (1829 mm) high.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

The *code official* is authorized to stipulate conditions for permits. Permits shall not be issued where public safety would be at risk, as determined by the *code official*.

Reason: The addition of adding detached gazebos and pergolas under 120 sq. ft. would add clarification that these structures don't require a building permit. These structures typically pose very little safety concern similar to sheds and playhouses which are currently listed.

Cost Impact: Decrease

Estimated Immediate Cost Impact:

The average price of a building permit for a detached accessory structure, like a pergola or small gazebo, typically falls between $50 and $150 depending on the local jurisdiction and the size of the structure, with smaller structures often costing closer to the lower end of that range. According to the ICC

Building Valuation Data – August 2024, the valuation of a Utility/Miscellaneous building would be $64.85 per square foot. Most permit fees are calculated based on the square footage or valuation of the structure, so larger accessory structures will have higher permit costs. Some localities may also factor in additional fees based on inspections required, the complexity of the project, and the type of construction materials used.

Source: https://homeguide.com/costs/building-permit-cost

Estimated Immediate Cost Impact Justification (methodology and variables):

See cost impact

ADM34-25 Part I

ADM34-25 Part II

IRC: R105.2

Proponents: Lucas Pump, City of Cedar Rapids, representing Self (l.pump@cedar-rapids.org)

2024 International Residential Code

Revise as follows:

R105.2 Work exempt from permit. Exemption from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this *jurisdiction.Permits* shall not be required for the following:

Building:

1. Other than *storm shelters*, one-*story* detached *accessory structures,* gazebos, pergolas, and similar structures provided that the floor area does not exceed 200 square feet (18.58 m^2).
2. Fences not over 7 feet (2134 mm) high.
3. *Retaining walls* that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
4. Water tanks supported directly upon *grade* if the capacity does not exceed 5,000 gallons (18 927 L) and the ratio of height to diameter or width does not exceed 2 to 1.
5. Sidewalks and driveways.
6. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
7. Prefabricated swimming pools that are less than 24 inches (610 mm) deep.
8. Swings and other playground equipment.
9. Window awnings supported by an exterior wall that do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.
10. Decks not exceeding 200 square feet (18.58 m^2) in area, that are not more than 30 inches (762 mm) above *grade* at any point, are not attached to a *dwelling* or *townhouse* and do not serve the exit door required by Section R318.4.

Electrical:

1. *Listed* cord-and-plug connected temporary decorative lighting.
2. Reinstallation of attachment plug receptacles but not the outlets therefor.
3. Replacement of branch circuit overcurrent devices of the required capacity in the same location.
4. Electrical wiring, devices, *appliances,* apparatus or *equipment* operating at less than 25 volts and not capable of supplying more than 50 watts of energy.
5. Minor *repair* work, including the replacement of lamps or the connection of *approved* portable electrical equipment to *approved* permanently installed receptacles.

Gas:

1. Portable heating, cooking or clothes drying *appliances*.
2. Replacement of any minor part that does not alter approval of *equipment* or make such *equipment* unsafe.
3. Portable-fuel-cell *appliances* that are not connected to a fixed piping system and are not interconnected to a power grid.

Mechanical:

1. Portable heating *appliances*.
2. Portable ventilation *appliances*.
3. Portable cooling units.
4. Steam, hot- or chilled-water piping within any heating or cooling *equipment* regulated by this code.
5. Replacement of any minor part that does not alter approval of *equipment* or make such *equipment* unsafe.
6. Portable evaporative coolers.
7. Self-contained refrigeration systems containing 10 pounds (4.54 kg) or less of refrigerant or that are actuated by motors of 1 horsepower (746 W) or less.
8. Portable-fuel-cell *appliances* that are not connected to a fixed piping system and are not interconnected to a power grid.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a *permit* shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures, and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Reason: Pergolas and Gazebos have always been a subject of debate on whether or not they require a building permit. Adding this language would make it clear that detached pergolas and gazebos are not required to have a building permit. These types of structures are typically purchased at the box stores and pose a low hazard. I believe that most building departments don't want to chase down pergolas and gazebos, as there isn't any guidance or code language to enforce currently within the I-Codes. Also, by adding "similar structures" it would allow the AHJ to use this language if a similar structure was proposed, like a small greenhouse or pavilion.

Cost Impact: Decrease

Estimated Immediate Cost Impact:

The average price of a building permit for a detached accessory structure, like a pergola or small gazebo, typically falls between $50 and $150 depending on the local jurisdiction and the size of the structure, with smaller structures often costing closer to the lower end of that range. According to the ICC Building Valuation Data – August 2024, the valuation of a Utility/Miscellaneous building would be $64.85 per square foot. Most permit fees are calculated based on the square footage or valuation of the structure, so larger accessory structures will have higher permit costs. Some localities may also factor in additional fees based on inspections required, the complexity of the project, and the type of construction materials used.

Source: https://homeguide.com/costs/building-permit-cost

Estimated Immediate Cost Impact Justification (methodology and variables):

See cost impact statement.

ADM34-25 Part II

ADM35-25

IBC: [A] 105.2

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Building Code

Revise as follows:

[A] 105.2 Work exempt from permit. Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this *jurisdiction*. *Permits* shall not be required for the following:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided that the floor area is not greater than 120 square feet (11 m2).
2. Fences, other than swimming pool barriers, not over 7 feet (2134 mm) high.
3. Oil derricks.
4. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or IIIA liquids.
5. Water tanks supported directly on grade if the capacity is not greater than 5,000 gallons (18 925 L) and the ratio of height to diameter or width is not greater than 2:1.
6. Sidewalks and driveways not more than 30 inches (762 mm) above adjacent grade, and not over any basement or story below and are not part of an accessible route.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, are not greater than 5,000 gallons (18 925 L) and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to detached one- and two-family dwellings.
12. Window awnings in Group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.
13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

Electrical:

1. **Repairs and maintenance:** Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.**2. ~~Radio and television transmitting~~ Telecommunication and broadcast transmission stations:** The provisions of this code shall not apply to electrical equipment used for ~~radio and television~~ telecommunication and broadcast transmissions ~~,~~ but do apply to equipment and wiring for a power supply and the installations of towers and antennas.**3. Temporary testing systems:** A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliance.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance.
2. Portable ventilation equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any part that does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration system containing 10 pounds (4.54 kg) or less of refrigerant and actuated by motors of 1 horsepower (0.75 kW) or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided that such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Reason: This code change modernizes the language to match IBC 3108 for clarity.

Note: cdpACCESS did not copy the entire existing language of 105.2. The intent of this code change is to only affect the parts legislatively marked.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The language is updated for modern terminology and to point to other sections of code. No change to intent is made.

ADM35-25

ADM36-25

IFC: [A] 105.6.1, [A] 105.6.2, [A] 105.6.7, [A] 105.6.8, [A] 105.6.19, [A] 105.6.24

Proponents: Jeffrey Hugo, NFSA - National Fire Sprinkler Association, representing NFSA (hugo@nfsa.org)

2024 International Fire Code

Revise as follows:

[A] 105.6.1 Automatic fire-extinguishing systems. A construction permit is required for installation of or modification to an *automatic fire-extinguishing system* , other than an *automatic sprinkler system* . Maintenance performed in accordance with Section 901.6. of this code is not considered to be a modification and does not require a permit.

[A] 105.6.2 Automatic sprinkler systems. A construction permit is required for installation of or modification to an *automatic sprinkler system*. Maintenance performed in accordance with Section 901.6 of this code is not considered to be a modification and does not require a permit.

[A] 105.6.7 Fire alarm and detection systems and related equipment. A construction permit is required for installation of or modification to fire alarm and detection systems and related equipment. Maintenance performed in accordance with Section 901.6 of this code is not considered to be a modification and does not require a construction permit.

[A] 105.6.8 Fire pumps and related equipment. A construction permit is required for installation of or modification to fire pumps and related fuel tanks, jockey pumps, controllers and generators. Maintenance performed in accordance with Section 901.6 of this code is not considered to be a modification and does not require a construction permit.

[A] 105.6.19 Private fire hydrants. A construction permit is required for the installation or modification of private fire hydrants. Maintenance performed in accordance with Section 901.6 of this code is not considered to be a modification and does not require a permit.

[A] 105.6.24 Standpipe systems. A construction permit is required for the installation, modification or removal from service of a standpipe system. Maintenance performed in accordance with Section 901.6 of this code is not considered to be a modification and does not require a permit.

Reason: This proposal adds language to Section 105.6 to clarify that maintenance performed in accordance with Section 901.6 is not considered a modification and does not require a permit. This change is primarily editorial, points to the maintenance section, Section 901.6, which mandates routine maintenance, inspection, and testing to keep fire protection and life safety systems operational. By explicitly distinguishing maintenance from modifications, this addition ensures consistency in application of this code and its referenced maintenance standards.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This is editorial in nature, as these sections already reference maintenance of the code, which are the standards referenced in Section 901.6.

ADM37-25

IFC: SECTION 105, [A] 105.6, [A] 105.6.6

Proponents: Robert J Davidson, Davidson Code Concepts LLC, representing Self (rjd@davidsoncodeconcepts.com); Adria Smith, CSG Engineers, representing California Fire Prevention Officers (adrias@csgengr.com); Darcy Davidson, Carlsbad Fire Department, representing California Fire Prevention Officers (darcy.davidson@carlsbadca.gov); Robert Marshall, San Mateo Consolidated Fire Department, representing International Association of Fire Chiefs- Fire and Life Safety Section (rmarshall@smcfire.org); Crystal Sujeski, representing CAL FIRE/Office of the State Fire Marshal (crystal.sujeski@fire.ca.gov)

2024 International Fire Code

SECTION 105
PERMITS

[A] 105.6 Required construction permits. The *fire code official* is authorized to issue construction permits for work as set forth in Sections 105.6.1 through 105.6.25.

Revise as follows:

[A] 105.6.6 Energy storage systems. A construction permit is required to install energy storage systems regulated by Section 1207 or Section R330 of the *International Residential Code.*

Reason: The relationship between the IFC and the IRC has historically required IFC permits for interior or exterior systems regulated by the IFC.

2024 IFC (and earlier) [A] 102.5 Application of residential code.

Where structures are designed and constructed in accordance with the International Residential Code, the provisions of this code shall apply as follows:

1. Construction and design provisions of this code pertaining to the exterior of the structure shall apply including, but not limited to, premises identification, fire apparatus access and water supplies. Where interior or exterior systems or devices are installed, construction permits required by Section 105.6 shall apply.

2.Administrative, operational and maintenance provisions of this code shall apply.

Prior to the 2018 IFC and IRC the only regulations that existed for stationary storage battery systems was found within the IFC and the IFC had a permit trigger for the most common systems installed.

2015 IFC

[A] 105.7.2 Battery systems.

A permit is required to install stationary storage battery systems having a liquid capacity of more than 50 gallons (189 L).

When the 2018 IFC was updated, the following change was made which broke the application to the IRC dwellings unintentionally. Extremely limited language was added to the IRC without linkage in the IFC by including a section reference because one did not exist for the IFC to include.

2018 IFC

[A] 105.7.2 Battery systems.

A construction permit is required to install stationary storage battery systems regulated by Section 1206.2.

This has resulted in uneven application of the review process wherein jurisdiction A does a joint Building Code Official/Fire Code Official review for commercial and residential installations and jurisdiction B does a joint Building Code Official/Fire Code Official review for commercial and a Building Code Official review only for residential installations which was never intended. ESS installation consistency requires joint review for both IFC and IRC ESS application since the hazards, standards and testing required are the same.

For many residential ESS installations, they are done in conjunction with solar system installations, based on the current wording, the solar system would require a permit under the IFC, and the fire detection required for the ESS if installed indoors would require a permit under the IFC, but the ESS in and of itself would not require a permit under the IFC because of the error linking the ESS permit to Section 1207.

2024 IFC (and earlier)

[A] 105.6.7 Fire alarm and detection systems and related equipment*.*

A construction permit is required for installation of or modification to fire alarm and detection systems and related equipment. Maintenance performed in accordance with this code is not considered to be a modification and does not require a construction permit.

[A] 105.6.21 Solar photovoltaic power systems. *A construction permit is required to install or modify solar photovoltaic power systems. Maintenance performed in accordance with this code is not considered to be a modification and does not require a permit.*

This proposal corrects an error and properly correlates the permit and plan review process for the systems.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The proposal does not impact constructions costs. It corrects a correlation error and at most would result in an additional permit fee which is an administrative jurisdiction decision, not a technical issue.

ADM37-25

ADM38-25

IFC: [A] 105.6.6

Proponents: William Koffel, Koffel Associates, Inc., representing California Solar and Storage Association (CALSSA) (wkoffel@koffel.com)

2024 International Fire Code

[A] 105.6.6 Energy storage systems. A construction permit is required to install energy storage systems regulated by Section 1207.

Exception: A construction permit, in addition to the permit required by Section R105 of the International Residential Code, is not required for energy storage systems installed in accordance with Exception 2 of Section 1207.11.

Reason: Section R105 requires a permit to install a stationary ESS. An additional permit should not be required by the IFC when the installation is in accordance with the requirements of the IRC.

Cost Impact: Decrease

Estimated Immediate Cost Impact:

Decrease by the cost of obtaining an additional construction permit. Typical permit fees range from $200 to $500.

Estimated Immediate Cost Impact Justification (methodology and variables):

In those jurisdictions in which two construction permits are being issued, if there are any, the cost will decrease.

ADM39-25

IFC: 105.6.26 (New)

Proponents: Joseph Cervantes, Self, representing Space Age Electronics

2024 International Fire Code

Add new text as follows:

105.6.26 Two-way communications systems. A construction permit is required for the installation of or modification to two-way communications systems designated for area of refuge, area of rescue assistance, stairway communications systems, occupant evacuation elevator lobby systems or elevator landings and related equipment. Maintenance performed in accordance with this code is not considered to be a modification and does not require a construction permit.

Reason: The addition of Section 105.6.26 ensures clear regulatory oversight of Two-Way Communications Systems that are critical for occupant safety during emergencies. These systems, including those designated for Areas of Refuge, Areas of Rescue Assistance, Stairway Communication Systems, Occupant Evacuation Elevator Lobby Systems, and Elevator Landings, are integral to the safe evacuation and rescue of individuals, particularly those with disabilities or limited mobility.

Requiring a construction permit for the installation or modification of these systems establishes a mechanism for authorities having jurisdiction (AHJs) to verify compliance with design, installation, and operational standards. It provides an opportunity to ensure that the systems are properly designed, installed, and integrated with other life safety systems, reducing the risk of system failure during emergencies.

Excluding maintenance activities from the permit requirement avoids undue administrative burden while ensuring that essential repairs and inspections remain routine and do not impede functionality.

This amendment aligns with the overall intent of the International Fire Code to enhance public safety, provide clarity in enforcement, and promote the consistent application of life safety provisions across jurisdictions.

Bibliography:

1. **International Fire Code (IFC), 2024 Edition.** International Code Council. Sections pertaining to construction permits and life safety system requirements.
2. **NFPA 72, National Fire Alarm and Signaling Code, 2022 Edition.** National Fire Protection Association. Chapters 24 and 26 on emergency communications systems and design considerations.
3. **Americans with Disabilities Act (ADA) Standards for Accessible Design, 2010.** U.S. Department of Justice. Guidance on Areas of Refuge and Rescue Assistance communication requirements.
4. **2016 Emergency Evacuation Planning Guide for People with Disabilities.** National Fire Protection Association. Recommendations for integrating two-way communication systems into evacuation plans.
5. **Building Fire Safety Systems: Performance-Based Design Approaches.** Society of Fire Protection Engineers, 2020. Analysis of integrated communication systems in high-rise buildings and evacuation scenarios.

Cost Impact: Increase

Estimated Immediate Cost Impact:

The proposed requirement for a construction permit for the installation or modification of Two-Way Communications Systems will have a minimal cost impact on building owners and contractors. The associated costs primarily relate to permit application fees and potential inspections, which are standard components of most construction projects. These costs are typically offset by the benefits of enhanced oversight, ensuring compliance with safety codes and reducing the likelihood of system malfunctions during emergencies.

The amendment does not introduce new technical requirements or system features but rather formalizes the permitting process to ensure the proper installation and modification of existing systems. Maintenance activities, which represent routine operational costs, are explicitly excluded from the permit requirement, minimizing additional financial burdens on system owners.

The benefits of increased life safety, regulatory clarity, and proper system integration during emergency situations far outweigh the nominal costs associated with permit compliance. This amendment aligns with the International Fire Code's mission to enhance public

safety without imposing significant financial hardship on stakeholders.

Estimated Immediate Cost Impact Justification (methodology and variables):

1. **Permit Fees:**
    - Average permit fees across jurisdictions typically range from $100 to $500, depending on the scope of work and local government requirements.
    - For large-scale projects (e.g., high-rise buildings or large facilities), permit fees may increase proportionally but remain a small fraction of overall project costs.
2. **Labor for Permit Application and Inspections:**
    - The time required to prepare and submit a permit application is estimated at 2–4 hours, depending on the project's complexity. At an average labor rate of $50/hour, this cost ranges from $100 to $200.
    - Inspections typically require 1–2 hours of coordination, adding another $50 to $100.
3. **Frequency of Applications:**
    - It is estimated that approximately 20–30 new projects or modifications involving Two-Way Communication Systems occur annually in a given jurisdiction.
4. **Exclusion of Maintenance Costs:**
    - Routine maintenance is explicitly excluded from the permit requirement, minimizing additional cost burdens.

Variables

1. **Project Type and Size:** Larger or more complex projects may incur slightly higher costs due to additional documentation or coordination.
2. **Local Permit Fees:** Fees vary by jurisdiction and are subject to local government regulations.
3. **Scope of Work:** Simple modifications may require fewer resources compared to the installation of a new system.

Calculation

- **Average cost per permit application:**
    - Permit Fee: $300 (median estimate)
    - Labor for Application: $150 (3 hours at $50/hour)
    - Inspection Coordination: $75 (1.5 hours at $50/hour)
    - **Total Estimated Cost per Project:** $525
- **Annual Impact (per jurisdiction):**
    - Assuming 25 applications per year: $525 × 25 = **$13,125**

Justification

The cost impact is justified by the critical role these systems play in ensuring life safety during emergencies. Proper permitting provides AHJs the opportunity to confirm compliance with safety standards, reducing the risk of system failures. This small upfront cost supports the long-term safety of building occupants and aligns with the IFC's goals of promoting robust life safety measures. Additionally, these costs are comparable to or less than other permits required for life safety systems, ensuring consistency in enforcement.

ADM39-25

ADM40-25

IFC: [A] 105.6.27 (New)

Proponents: Joseph Cervantes, Self, representing Space Age Electronics

2024 International Fire Code

Add new text as follows:

[A] 105.6.27 Site safety llan. A construction permit is required for the development and approval of a site safety plan as required in Chapter 33. The plan shall be prepared by a site safety director and approved by the authority having jurisdiction prior to the issuance of a building permit. Maintenance and routine updates performed in accordance with this code that do not alter the scope of the original approved plan are not considered modifications and do not require a construction permit.

Reason: The addition of Section 105.6.XX establishes a permitting requirement for the Site Safety Plan mandated in Chapter 33, reinforcing the charging language that requires the plan to be approved by the authority having jurisdiction (AHJ) prior to the issuance of a building permit. This ensures that the AHJ has the opportunity to thoroughly review the proposed safety measures and confirm that they meet the minimum standards of the code before construction begins.

Requiring the Site Safety Plan to be approved through a formal permitting process promotes consistent and thorough evaluation of critical safety elements, including hazard mitigation, emergency response protocols, and temporary fire protection systems. This proactive approach ensures that site-specific safety considerations are addressed during the planning stage, minimizing the potential for incidents that could endanger workers, first responders, and the public.

By linking the approval of the Site Safety Plan to the building permit process, this requirement enhances regulatory oversight, ensures compliance with Chapter 33 provisions, and establishes a clear mechanism for AHJs to enforce safety measures at construction sites. Exempting routine updates and maintenance from requiring additional permits streamlines the process while preserving the integrity of the approved plan. This amendment aligns with the code's intent to safeguard life safety during construction activities.

Bibliography:

- **International Fire Code (IFC), 2024 Edition.** International Code Council. Chapter 33, specifically Section 3308.2, which mandates the development of a Site Safety Plan under the supervision of a Site Safety Supervisor.
- **International Building Code (IBC), 2024 Edition.** International Code Council. Provisions regarding permitting and plan review processes for construction activities.
- **Occupational Safety and Health Administration (OSHA) Standards for Construction Safety and Health, 29 CFR Part 1926.** U.S. Department of Labor. Guidelines on construction site safety and hazard mitigation.
- **NFPA 241, Standard for Safeguarding Construction, Alteration, and Demolition Operations, 2023 Edition.** National Fire Protection Association. Guidance on temporary fire protection measures and site safety management during construction.
- **Site Safety Management: Best Practices for Construction Projects, 3rd Edition.** American Society of Safety Professionals, 2020. Industry standards and recommendations for site safety planning and oversight.

Cost Impact: Increase

Estimated Immediate Cost Impact:

The proposed requirement for a Site Safety Plan permit has minimal cost impact on construction projects and jurisdictions. The primary cost considerations are related to the preparation, submission, and review of the plan, as follows:

Immediate Costs:

1. **Preparation of the Site Safety Plan:**
    - The cost of developing the plan is already accounted for under the requirements of Chapter 33. This proposal does not introduce new requirements for plan content or preparation, as such plans are already mandated.
2. **Permit Fees:**
    - Typical permit fees range from $200 to $500, depending on the jurisdiction and project complexity. These fees align with standard costs for construction-related permits.

3. **AHJ Review and Approval:**
    - The AHJ's review process may involve 2–4 hours of labor, depending on the complexity of the site safety plan. This is generally absorbed as part of the jurisdiction's permitting process and covered by the permit fee.

Estimated Immediate Cost Impact Justification (methodology and variables):

The cost of requiring a permit for the Site Safety Plan is offset by the benefits of regulatory oversight, which ensures that safety measures are adequately addressed before construction begins. This reduces the risk of accidents, litigation, and enforcement actions, ultimately protecting workers, first responders, and the public. The financial impact is minimal and proportional to the overall safety benefits gained.

Estimated Life Cycle Cost Impact:

This requirement does not impose recurring costs as routine updates or maintenance of the Site Safety Plan are explicitly excluded from requiring additional permits.

By ensuring compliance during the planning phase, jurisdictions and project stakeholders can avoid costly incidents, fines, or retrofits due to noncompliance with safety requirements, leading to potential long-term cost savings.

ADM40-25

ADM41-25 Part I

IBC: SECTION 106, [A] 106.1, [A] 106.2, [A] 106.3

Proponents: Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IBC-S CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Delete without substitution:

~~SECTION 106~~
~~FLOOR AND ROOF DESIGN LOADS~~

~~**[A] 106.1 Live loads posted.** In commercial or industrial *buildings*, for each floor or portion thereof designed for *live loads* exceeding 50 psf (2.40 kN/m^2), such design *live loads* shall be conspicuously posted by the *owner* or the *owner*'s authorized agent in that part of each story in which they apply, using durable signs. It shall be unlawful to remove or deface such notices.~~

~~**[A] 106.2 Issuance of certificate of occupancy.** A certificate of occupancy required by Section 111 shall not be issued until the floor load signs, required by Section 106.1, have been installed.~~

~~**[A] 106.3 Restrictions on loading.** It shall be unlawful to place, or cause or permit to be placed, on any floor or roof of a *building*, *structure* or portion thereof, a *load* greater than is permitted by this code.~~

Staff Analysis: S49-25 Part II and ADM41-25 Part I address requirements in a different or contradicting manner. The committee is urged to make their intensions clear with their actions on these proposals.

ADM41-25 Part I

ADM41-25 Part II

IBC: 1607.8.5

Proponents: Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org)

2024 International Building Code

Revise as follows:

1607.8.5 Posting. The maximum weight of vehicles allowed into or on a garage or other *structure* shall be posted on a durable sign in a readily visible location at the vehicle entrance to the building or other approved location ~~by the *owner* or the *owner*'s authorized agent in accordance with Section 106.1~~.

Reason: The intent of this proposal is to remove a section for structural signage from Chapter 1. Signage requirements are ineffective in Chapter 1, do not belong in the administrative provisions and no signage requirements are found in any of the administrative requirements in any of the other codes.

This section was moved to the administrative provisions from structural by S48-07/08. The structural committee felt that this sign did not belong with the loading provisions in Chapter 16.

The BCAC has attempted to move this requirement back to the related requirements in Chapter 16 (S52-19), similar to the signage for occupant load and exits in Chapter 10. There was testimony stating that the existing requirements for signage when live loads exceeded 50 pounds was an erroneous requirement. This code requirement is a hold-over from the legacy codes and its origins are unknown. The Structural committee disapproved this change because they did not want these signs in Chapter 16.

S99-22 attempted to clarify and limit the signage requirements (based on the testimony to S52-19) and move that small portion to Section 1607 with the requirements. The Structural committee again expressed that they felt the requirements were more appropriate however they still did not want the signage requirement in Chapter 16.

The text as currently written in unreasonable and unenforceable. Considering the expected audience of such a sign, it isn't practical that the end user of a building would equate a PSF load posting into a practical limitation as to the use of the structure. Further, the code only requires one sign be posted per story in a building of any area, it is unlikely that a majority of building users would ever even see such a sign. Following is a detailed reasoning for the deletion of this section.

Section 106 - Chapter 1 is an administrative chapter. Signage posting requirements are not an administrative function. These signage requirements should be located with the loading requirements to be consistent with the code - examples include - signage for gas detection alarms (916.9) under gas detection systems (916); occupant load posting (1004.9) with occupant loads (1004); area of refuge and two-way communication requirements (1009.9) with accessible means of egress (1009); stairway identification signage (1023.9) in exit stairways (1023); exit signs (1013) are located with exit requirements in Chapter 10; toilet room signage (2902.4) in minimum plumbing facilities (2902); elevator signage (3002.3) with the elevator provisions (3002), and heavy vehicle loading signage (1607.8.5) are located in Heavy vehicle loads (1607.8).

Section 106.1 - Table 1607.1 does not have 'commercial' or 'industrial' buildings listed and these terms are not defined, leaving it unclear where the signage is required. The weight requirement of "exceeding 50 lbs." could be interpreted to require this signage in many spaces listed in Table 1607.

Section 106.2 - Signage requirements should not be tied to receiving a certificate of occupancy, any more than other code section would be.

Section 106.3 - This is unenforceable. Making sure the loading in a space is not exceeded is an operational issue, not a building code issue. There is no mechanism to enforce this beyond the final building inspection.

Section 1607.8.5 - The proposed language removes the reference to Section 106 and provides more specific information for the required signage. This signage is already in Chapter 16.

This proposal is submitted by the ICC Building Code Action Committee (BCAC).
BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and 2024 the BCAC has held several virtual meetings open to any interested party. In addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the

committee as well as interested parties. Related documents and reports are posted on the BCAC website at BCAC webpage.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The net effect of the public comment and code change proposal will not increase or decrease the cost of construction This technically is a reduction in the signage requirements, but it is our understanding that this is not currently being enforced. This is not a change to the technical requirements.

ADM41-25 Part II

ADM42-25 Part I

IBC: [A] 107.1, [A] 107.2.1; IEBC: [A] 106.1, [A] 106.2.1; IFC: [A] 106.1, [A] 106.2.1; IFGC: [A] 106.1; IMC®: [A] 106.1; IPC: [A] 106.1; IPSDC: [A] 107.1; ISPSC: [A] 107.1; IWUIC: [A] 106.1

Proponents: Kota Wharton, City of Grove City, representing City of Grove City (kwharton@grovecityohio.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 107.1 General. Submittal documents consisting of *construction documents*, statement of *special inspections*, geotechnical report and other data shall be submitted in two or more sets, or in ~~a~~ an *approved* digital format where allowed or required by the *building official*, with each *permit* application. The *construction documents* shall be prepared by a *registered design professional* where required by the statutes of the *jurisdiction* in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a *registered design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a *registered design professional* if it is found that the nature of the work applied for is such that review of *construction documents* is not necessary to obtain compliance with this code.

[A] 107.2.1 Information on construction documents. *Construction documents* shall be dimensioned and drawn on suitable material. ~~Electronic media documents are permitted to be submitted where *approved* by the *building official.*~~ *Construction documents* shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *building official*.

2024 International Existing Building Code

Revise as follows:

[A] 106.1 General. Submittal documents consisting of construction documents, special inspection and structural observation programs, investigation and evaluation reports, and other data shall be submitted in two or more sets, or in ~~a~~ an *approved* digital format where allowed or required by the *code official,* with each application for a permit. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *code official* is authorized to require additional construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with this code.

[A] 106.2.1 Construction documents. Construction documents shall be dimensioned and drawn on suitable material. ~~Electronic media documents are permitted to be submitted where *approved* by the *code official.*~~ Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *code official*. The *work areas* shall be shown.

2024 International Fire Code

Revise as follows:

[A] 106.1 Submittals. *Construction documents* and supporting data shall be submitted in two or more sets, or in an *approved* digital format where allowed or required by the *fire code official,* with each application for a permit ~~and in such form and detail as required by the *fire code official*~~. The *construction documents* shall be prepared by a *registered design professional* where required by the statutes of the

jurisdiction in which the project is to be constructed.

Exception: The *fire code official* is authorized to waive the submission of *construction documents* and supporting data not required to be prepared by a *registered design professional* if it is found that the nature of the work applied for is such that review of *construction documents* is not necessary to obtain compliance with this code.

[A] 106.2.1 Information on construction documents. *Construction documents* shall be drawn to scale on suitable material. ~~Documents in a digital format are allowed to be submitted where *approved* by the *fire code official.*~~ *Construction documents* shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations as determined by the *fire code official*.

2024 International Fuel Gas Code

Revise as follows:

[A] 106.1 Construction documents. *Construction documents*, engineering calculations, diagrams and other data shall be submitted in two or more sets, or in ~~a~~ an *approved* digital format where allowed or required by the ~~building official~~ *code official*, with each application for a permit. The *code official* shall require *construction documents*, computations and specifications to be prepared and designed by a *registered design professional* where required by state law. *Construction documents* shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code. *Construction documents* for buildings more than two stories in height shall indicate where penetrations will be made for installations and shall indicate the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The *code official* shall have the authority to waive the submission of *construction documents,* calculations or other data if the nature of the work applied for is such that reviewing of *construction documents* is not necessary to determine compliance with this code.

2024 International Mechanical Code

Revise as follows:

[A] 106.1 Construction documents. *Construction documents*, engineering calculations, diagrams and other data shall be submitted in two or more sets, or in ~~a~~ an *approved* digital format where allowed or required by the ~~building official~~ *code official*, with each application for a permit. The code official shall require *construction documents*, computations and specifications to be prepared and designed by a *registered design professional* where required by state law. Where special conditions exist, the code official is authorized to require additional *construction documents* to be prepared by a *registered design professional*. *Construction documents* shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code. *Construction documents* for *buildings* more than two stories in height shall indicate where penetrations will be made for mechanical systems, and the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The code official shall have the authority to waive the submission of *construction documents*, calculations or other data if the nature of the work applied for is such that reviewing of *construction documents* is not necessary to determine compliance with this code.

2024 International Plumbing Code

Revise as follows:

[A] 106.1 Construction documents. Construction documents, engineering calculations, diagrams and other such data shall be submitted in two or more sets, or in ~~a~~ an *approved* digital format where allowed or required by the code official, with each application for a permit. The code official shall require construction documents, computations and specifications to be prepared and designed by a registered design professional where required by state law. Construction documents shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this

code. Construction documents for buildings more than two stories in height shall indicate where penetrations will be made for pipes, fittings and components and shall indicate the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The code official shall have the authority to waive the submission of construction documents, calculations or other data if the nature of the work applied for is such that the reviewing of construction documents is not necessary to determine compliance with this code.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 107.1 Construction documents. An application for a permit shall be accompanied by not less than two copies of *construction documents* drawn to scale, or in ~~a~~ an *approved* digital format where allowed or required by the ~~building official~~ *code official*, with sufficient clarity and detail dimensions showing the nature and character of the work to be performed. Specifications shall include pumps and controls, dose volume, elevation differences (vertical lift), pipe friction loss, pump performance curve, pump model and pump manufacturer. The *code official* is permitted to waive the requirements for filing *construction documents* where the work involved is of a minor nature. Where the quality of the materials is essential for conformity to this code, specific information shall be given to establish such quality, and this code shall not be cited, or the term “legal” or its equivalent used as a substitute for specific information.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 107.1 Construction documents. Construction documents, engineering calculations, diagrams and other such data shall be submitted in two or more sets, or in an *approved* digital format where allowed or required by the *code official*, with each application for a permit. The *code official* shall require construction documents, computations and specifications to be prepared and designed by a registered design professional where required by state law. Construction documents shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 106.1 General. Plans, engineering calculations, diagrams and other data shall be submitted in not fewer than two sets, or in ~~a~~ an *approved* digital format where allowed or required by the ~~building official~~ *code official*, with each application for a permit. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *code official* is authorized to require additional documents to be prepared by a registered design professional.

Exception: Submission of plans, calculations, construction inspection requirements and other data, if it is found that the nature of the work applied for is such that reviewing of plans is not necessary to obtain compliance with this code.

ADM42-25 Part I

ADM42-25 Part II

IRC: R106.1, R106.1.1

Proponents: Kota Wharton, City of Grove City, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Residential Code

Revise as follows:

R106.1 Submittal documents. Submittal documents consisting of *construction documents*, and other data shall be submitted in two or more sets, or in ~~a~~ an *approved* digital format where allowed or required by the *building official*, with each application for a *permit*. The *construction documents* shall be prepared by a *registered design professional* where required by the statutes of the *jurisdiction* in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a *registered design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a *registered design professional* if it is found that the nature of the work applied for is such that reviewing of *construction documents* is not necessary to obtain compliance with this code.

R106.1.1 Information on construction documents. *Construction documents* shall be drawn upon suitable material. ~~Electronic media documents are permitted to be submitted where *approved* by the *building official*.~~ *Construction documents* shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *building official*.

Reason: This code change intends to allow code officials to transition to entirely digital submittal models while maintaining the options for hybrid and paper-only models for others.

The code change also enhances existing submittal models by giving the code official explicit authority to regulate the file format of documents received and, if needed, permissions for such documents.

Note: The language intentionally does not specify the required file formats or permissions and relies on *approved*. Such granular requirements would need to be established at the jurisdiction level by policy to allow flexibility based on the jurisdiction's capabilities and needs

An example policy could be described simply as follows:

> Effective [insert date], construction documents [may/are required to] be submitted in digital format to the [insert jurisdiction name].
>
> [Insert jurisdiction name] requires all digital construction documents to be submitted in PDF or PDF/A format without file modification restrictions (e.g., may not be locked to restrict markup).
>
> Supporting documentation that does not need to be stamped by the jurisdiction may only be submitted in PDF, PDF/A, JPEG, PNG, TIFF, DOC, or DOCX format and may have file modification restrictions (e.g., markup restrictions).
>
> Raw and HEIF images and DWG files are not supported file formats.

Various editorial changes are also made throughout with narrow scope.

Cost Impact: Decrease

Estimated Immediate Cost Impact:

$0. This code change will impact costs; however, the magnitude is likely insignificant and unmeasurable.

Estimated Immediate Cost Impact Justification (methodology and variables):

Cost decreases could be as follows:

- Reduction of printing costs.
- Reduction of administrative time unlocking or transacting unreadable or unmodifiable plans.

There are limited cost increase considerations other than potential costs to digitalize submittals at submittal.

ADM42-25 Part II

ADM43-25 Part I

IBC: [A] 107.1, SECTION 202 (New); IEBC: [A] 106.1, SECTION 202 (New)

Proponents: Jack Butler, Butler & Butler, LLC, representing American Institute of Building Design (abutler@mpzero.com); Steven Mickley, representing American Institute of Building Design (steve.mickley@aibd.org)

2024 International Building Code

[A] 107.1 General. Submittal documents consisting of *construction documents*, statement of *special inspections*, geotechnical report and other data shall be submitted in two or more sets, or in digital format where allowed by the *building official*, with each *permit* application. The construction documents shall be prepared by a *registered design professional* where required by the statutes of the *jurisdiction* in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require ~~additional~~ *supplemental construction documents* to be provided to explain how the proposed design complies with this code. Where required by the laws of the *jurisdiction*, a *supplemental construction document* shall be prepared by a *registered design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data ~~not required to be prepared by a *registered design professional*~~ if it is found that the nature of the work applied for is such that review of the waived *construction documents* is not necessary to obtain compliance with this code.

Add new definition as follows:

SPECIAL CONDITION. An element of the construction site or design that is outside the parameters upon which the code is based or exceeds the prescriptive guidance found in the code and is unique to the project rather than generally applicable within the project area. General project characteristics, such as size of the structure and the cost of construction, are not special conditions.
SUPPLEMENTAL CONSTRUCTION DOCUMENT. A construction document not normally provided as part of the standard *permit* application package for the type of work proposed that demonstrates how the proposed design addresses a *special condition* presented by the project so as to meet the intent of the code.

2024 International Existing Building Code

Revise as follows:

[A] 106.1 General. Submittal documents consisting of construction documents, special inspection and structural observation programs, investigation and evaluation reports, and other data shall be submitted in two or more sets, or in a digital format where allowed by the *code official*,with each application for a permit. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *code official* is authorized to require ~~additional~~ *supplemental* construction documents to be provided to explain how the proposed design complies with this code. Where required by the laws of the *jurisdiction*, a *supplemental construction document* shall be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the submission of construction documents and other data ~~not required to be prepared by a registered design professional~~ if it is found that the nature of the work applied for is such that reviewing of the waived construction documents is not necessary to obtain compliance with this code.

Add new definition as follows:

SPECIAL CONDITION. An element of the construction site or design that is outside the parameters upon which the code is based or exceeds the prescriptive guidance found in the code and is unique to the project rather than generally applicable within the project area. General project characteristics, such as size of the structure and the cost of construction, are not special conditions.
SUPPLEMENTAL CONSTRUCTION DOCUMENT. A construction document not normally provided as part of the standard *permit* application package for the type of work proposed that demonstrates how the proposed design addresses a *special condition* presented by the project so as to meet the intent of the code.

Attached Files

- **ICC Opinion email of 11-27-2023 (1).pdf**
  https://www.cdpaccess.com/proposal/11255/35348/files/download/9627/

Reason: Many jurisdictions have deployed or plan to implement online building permit application processes that require digital rather than paper plan submittals. This fact is already recognized by the wording of R106.1, which is repeated here.

The second proposed modification reflects the need to recognize the intent of the original term "additional construction documents," which is to demonstrate how the proposed design addresses the special conditions, by replacing "additional" with "supplemental," adding the reason for requesting the supplemental documents, and clarifying who may prepare such documents. The proposed deletion of "registered design professional" recognizes that state professional practice laws determine who may or must prepare these additional construction documents depending on their nature. In addition, the current wording fails to allow the exemptions that exist in the majority of states for non-registered persons and property owners to prepare construction documents for residential and smaller commercial projects, which creates a conflict with these state laws. However, the requirement for a registered design professional to prepare any supplemental document is preserved.

The revised wording in the Exception clause is intended to recognize that it is the nature of the proposed work, and not the person who might prepare an unnecessary construction document, that should determine whether a specific construction document is not necessary for the contemplated project. For example, an interior modification may not need an exterior elevation, which, under the laws of the jurisdiction, might be prepared by anyone. A building official should be able to avoid the submission and subsequent review of any unnecessary construction documents in accordance with the nature of the proposed work.Two phrases are italicized in the modified section: special conditions and supplemental construction documents. This font notation reflects the related proposal of new definitions for these terms in order to remove ambiguity that is creating issues in multiple jurisdictions regarding the intent behind these phrases. Services of a registered design professional are often not required by the laws of the jurisdiction when the prescriptive guidance needed is found in the code or in the referenced standards on which that guidance is based and the laws of the jurisdiction provide an exemption for registration in order to prepare such submittals.

The new definitions proposed for *supplemental construction document* and *special condition* are needed to clarify the current intent related to the provisions of the sentence in Section 107.1 that says, "Where *special conditions* exist, the *building official* is authorized to require additional *construction documents* to be prepared by a *registered design professional*." The intent of the subject sentence was confirmed in an advisory opinion provided to the proponent by ICC staff (see attachment). The proposed definitions seek to clarify the intent by removing ambiguity, which is leading some local jurisdictions to declare construction cost, livable space, or even just the project's presence within the jurisdiction as being a special condition, and then requiring that all construction documents be prepared by a registered design professional. Special conditions should only exist where design parameters or site conditions are outside those accommodated by the prescriptive guidance found in the code. Additional construction documents should not include the documents that are common for the proposed type of construction; they should address how the proposed design will meet the intent of the code relative to those special conditions. Replacing "additional" with "supplemental" will reinforce that intent.

Cost Impact: Decrease

Estimated Immediate Cost Impact:

Allowing the submittal of digital documents will save permit applicants the cost of printing paper documents and will save the building safety departments the cost of long-term paper storage. There may also be some savings from reducing the number of construction documents that must be prepared by registered design professionals when the laws of the jurisdiction do not require such persons to prepare the documents.

For an average commercial project - 35 sheets x $6.75 per sheet x 2 sets = $472.50 cost per project.

Estimated Immediate Cost Impact Justification (methodology and variables):

Although the savings from not printing construction documents depends on the number of sheets and the local cost of production, the fact that any printing costs may be avoided through electronic submission of the documents is readily apparent. Long-term storage costs of submitted construction documents depends on the retention requirements of the jurisdiction, but clearly accumulate over time as the volume increases. Many jurisdictions are actually converting paper documents to an electronic form in order to avoid these storage costs. Receiving such documents in an original electronic form will additionally avoid the cost of digitization. It can also speed the plan review process.

ADM43-25 Part II

IRC: R106.1, SECTION 202 (New)

Proponents: Jack Butler, Butler & Butler, LLC, representing American Institute of Building Design (abutler@mpzero.com); Steven Mickley, representing American Institute of Building Design (steve.mickley@aibd.org)

2024 International Residential Code

R106.1 Submittal documents. Submittal documents consisting of *construction documents*~~,~~ and other data shall be submitted in two or more sets, or in a digital format where allowed by the *building official*, with each application for a *permit*. The *construction documents* shall be prepared by a *registered design professional* where required by the statutes of the *jurisdiction* in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require ~~additional~~ *supplemental construction documents* to be ~~prepared~~ provided to explain how the proposed design complies with this code. Where required by the laws of the jurisdiction, a *supplemental construction document* shall be prepared by a *registered design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data ~~not required to be prepared by a *registered design professional*~~ if it is found that the nature of the work applied for is such that reviewing of the waived *construction documents* is not necessary to obtain compliance with this code.

Add new definition as follows:

SPECIAL CONDITION. An element of the construction site or design that is outside the parameters upon which the code is based or exceeds the prescriptive guidance found in the code and is unique to the project rather than generally applicable within the project area. A general project characteristic, such as size of the structure or the cost of construction, is not a special condition.
SUPPLEMENTAL CONSTRUCTION DOCUMENT. A construction document not normally provided as part of the standard *permit* application package for the type of work proposed that demonstrates how the proposed design addresses a *special condition* presented by the project so as to meet the intent of the code.

Attached Files

- **ICC Opinion email of 11-27-2023 (1).pdf**
  https://www.cdpaccess.com/proposal/11286/35361/files/download/9628/

Reason: The first proposed modification is to remove the serial comma after the first instance of 'construction documents', as there are only two items in the list. The first proposed substantive modification reflects the need to recognize the intent of the original term "additional construction documents," which is to demonstrate how the proposed design addresses the special conditions, by replacing "additional" with "supplemental." The verb 'prepared' is replaced with 'provided' in recognition that some supplemental documents, such as product certifications and manufacturer's installation instructions, are existing documents that only need to be supplied to the building official to satisfy the requirement. Two phrases are italicized in the modified section: *special conditions* and *supplemental construction documents*. This font notation reflects the related proposal of new definitions for these terms in order to remove ambiguity that is creating issues in multiple jurisdictions regarding the intent behind these phrases.

The revised wording in the Exception clause is intended to recognize that it is the nature of the proposed work, and not the person who might prepare an unnecessary construction document, that should determine whether a specific construction document is necessary for the contemplated project. For example, an interior modification may not need an exterior elevation, which, under the laws of the jurisdiction, might be prepared by anyone. A building official should be able to avoid the submission and subsequent review of any unnecessary construction documents in accordance with the nature of the proposed work.

Services of a registered design professional are often not required by the laws of the jurisdiction when the prescriptive guidance needed is found in the code or in the referenced standards on which that guidance is based and the laws of the jurisdiction provide an exemption for registration in order to prepare such submittals.

The new definitions proposed for supplemental construction document and special condition are needed to clarify the current intent related to the provisions of the sentence in Section R106.1 that says, "Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional." (A related proposed modification alters the wording of this section to be consistent with the proposed definition.) The intent of the subject sentence was confirmed in an advisory opinion provided to the proponent by ICC staff (see

attachment). The proposed definitions seek to clarify the intent by removing ambiguity, which is leading some local jurisdictions to declare construction cost, livable space, or even just the project's presence within the jurisdiction as being a special condition, and then requiring that all construction documents be prepared by a registered design professional. Special conditions should only exist where design parameters or site conditions are outside those accommodated by the prescriptive guidance found in the code. Supplemental construction documents should not include the documents that are common for the proposed type of construction; they should address how the proposed design will meet the intent of the code relative to those special conditions. Replacing "additional" with "supplemental" will reinforce that intent.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The proposed modification seeks to clarify the original intent of this subsection.

ADM43-25 Part II

ADM44-25

IPMC: 107, [A] 107.1, [A] 107.2, [A] 107.3, [A] 107.4, [A] 107.5

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Property Maintenance Code

SECTION 107
VIOLATIONS

[A] 107.1 Unlawful acts. It shall be unlawful for a *person*, firm or corporation to be in conflict with or in violation of any of the provisions of this code.

[A] 107.2 Notice of violation. The *code official* shall serve a notice of violation or order in accordance with Section 109.4.

Delete and substitute as follows:

~~**[A] 107.3 Prosecution of violation.** Any *person* failing to comply with a notice of violation or order served in accordance with Section 109.4 shall be deemed guilty of a misdemeanor or civil infraction as determined by the local municipality, and the violation shall be deemed a *strict liability offense*. If the notice of violation is not complied with, the *code official* shall institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful *occupancy* of the *structure* in violation of the provisions of this code or of the order or direction made pursuant thereto. Any action taken by the authority having jurisdiction on such *premises* shall be charged against the real estate upon which the *structure* is located and shall be a lien upon such real estate.~~

[A] 107.3 Prosecution of violation. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the *code official*, or of a permit or certificate used under provisions of this code, shall be guilty of a **[specify offense]**, punishable by a fine of not more than **[amount]** dollars or by imprisonment not exceeding **[number of days]**, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Any action taken by the authority having jurisdiction on such *premises* shall be charged against the real estate upon which the *structure* is located and shall be a lien upon such real estate.

Delete without substitution:

~~**[A] 107.4 Violation penalties.** Any *person* who shall violate a provision of this code, or fail to comply therewith, or with any of the requirements thereof, shall be prosecuted within the limits provided by state or local laws. Each day that a violation continues after due notice has been served shall be deemed a separate offense.~~

Delete and substitute as follows:

~~**[A] 107.5 Abatement of violation.** The imposition of the penalties herein prescribed shall not preclude the legal officer of the jurisdiction from instituting appropriate action to restrain, correct or abate a violation, or to prevent illegal *occupancy* of a building, *structure* or *premises*, or to stop an illegal act, conduct, business or utilization of the building, *structure* or *premises*.~~

[A] 107.4 Abatement of violation.
In addition to the imposition of the penalties herein described, the code official is authorized to institute appropriate action to prevent unlawful construction or to restrain, correct or abate a violation; or to prevent illegal occupancy of a structure or premises; or to stop an illegal act, conduct of business or occupancy of a structure on or about any premises.

Reason: This code change coordinates langage between the International Fire Code and IPMC.

It removes the prescriptive classifications of offenses that were previously present in the model code and instead defers the responsibility of classifying these offenses to the respective jurisdictions. The approach allows for greater flexibility and adaptability, as acknowledges that the many different jurisdictional legal frameworks and enforcement priorities.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

Impacted jurisdictions would have revised this section during adoption. This code change creates a simple fill-in-the-blank for easier adoption and to remove potential conflicts.

ADM44-25

ADM45-25 Part I

IBC: [A] 107.3.1; IEBC: [A] 106.3.1; IFC: [A] 106.2.4, [A] 106.4; IFGC: [A] 105.5.1, [A] 106.2; IMC®: [A] 105.4.1, [A] 106.2; IPC: [A] 105.5.1, [A] 106.2 (New); IPSDC: [A] 105.3.1, [A] 107.2 (New); ISPSC: [A] 105.4.1, [A] 107.2 (New); IWUIC: [A] 105.6, [A] 106.8

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 107.3.1 Approval of construction documents. When the *building official* issues a *permit*, the *construction documents* shall be *approved*, in writing or by stamp., ~~as "Reviewed for Code Compliance." One set of *construction documents* so reviewed shall be retained by the *building official*. The other set shall be returned to the applicant, shall be kept at the *site* of work and shall be open to inspection by the *building official* or a duly authorized representative.~~

2024 International Existing Building Code

Revise as follows:

[A] 106.3.1 Approval of construction documents. Where the *code official* issues a permit, the construction documents shall be *approved* in writing or by stamp. ~~as "Reviewed for Code Compliance." One set of construction documents so reviewed shall be retained by the *code official*. The other set shall be returned to the applicant, shall be kept at the site of work, and shall be open to inspection by the *code official* or a duly authorized representative.~~

2024 International Fire Code

Revise as follows:

[A] 106.2.4 Approved documents. Where the *fire code official* issues a permit, the *construction documents* shall be approved in writing or by stamp.~~*Construction documents approved* by the *fire code official* are *approved* with the intent that such *construction documents* comply in all respects with this code. Review and approval by the *fire code official* shall not relieve the applicant of the responsibility of compliance with this code.~~

[A] 106.4 Retention of construction documents. One set of *construction documents* shall be retained by the *fire code official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. ~~One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.~~

2024 International Fuel Gas Code

Revise as follows:

[A] 105.5.1 Approved construction documents. ~~When~~ Where the code official issues the permit ~~where *construction documents* are required~~, the *construction documents* shall be ~~endorsed~~ approved in writing or by a stamp. ~~and stamped "APPROVED." Such *approved construction documents* shall not be changed, modified or altered without authorization from the code official.~~ Work shall be done in accordance with the *approved construction documents*.

The *code official* shall have the authority to issue a permit for the construction of part of an installation before the *construction documents* for the entire installation have been submitted or *approved*, provided adequate information and detailed statements have been filed complying with all pertinent requirements of this code. The holder of such permit shall proceed at his or her own risk without assurance that the permit for the entire installation will be granted.

[A] 106.2 Retention of construction documents. One set of *approved construction documents* shall be retained by the *code official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. ~~One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.~~

2024 International Mechanical Code

Revise as follows:

[A] 105.4.1 Approved construction documents. ~~When~~ Where the code official issues the permit ~~where *construction documents* are required~~, the *construction documents* shall be ~~endorsed~~ approved in writing or by a stamp. ~~and stamped "APPROVED." Such *approved construction documents* shall not be changed, modified or altered without authorization from the code official.~~ Work shall be done in accordance with the *approved construction documents*.

The code official shall have the authority to issue a permit for the construction of part of a mechanical system before the *construction documents* for the entire system have been submitted or *approved*, provided that adequate information and detailed statements have been filed complying with all pertinent requirements of this code. The holder of such permit shall proceed at his or her own risk without assurance that the permit for the entire mechanical system will be granted.

[A] 106.2 Retention of construction documents. One set of *approved construction documents* shall be retained by the code official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. ~~One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the *building* or job at all times during which the work authorized thereby is in progress.~~

2024 International Plumbing Code

Revise as follows:

[A] 105.5.1 Approved construction documents. ~~When~~ Where the code official issues the permit ~~where *construction documents* are required~~, the *construction documents* shall be ~~endorsed~~ approved in writing or by a stamp. ~~and stamped "APPROVED." Such *approved construction documents* shall not be changed, modified or altered without authorization from the code official.~~ Work shall be done in accordance with the *approved construction documents*.The code official shall have the authority to issue a permit for the construction of a part of a plumbing system before the entire construction documents for the whole system have been submitted or *approved*, provided that adequate information and detailed statements have been filed complying with all pertinent requirements of this code. The holders of such permit shall proceed at their own risk without assurance that the permit for the entire plumbing system will be granted.

[A] 106.2 Retention of construction documents. One set of *approved* construction documents shall be retained by the code official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.~~One set of *approved* construction documents shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.~~

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 105.3.1 Approved construction documents. ~~When~~ Where the code official issues the permit ~~where *construction documents* are required~~, the *construction documents* shall be ~~endorsed~~ approved in writing or by a stamp. ~~and stamped "APPROVED." Such *approved construction documents* shall not be changed, modified or altered without authorization from the code official.~~ Work shall be done in accordance with the *approved construction documents*.

The *code official* shall have the authority to issue a permit for the construction of a part of a *private sewage disposal system* before the *construction documents* for the whole system have been submitted or approved, provided adequate information and detailed statements have been filed complying with all pertinent requirements of this code. The holder of such permit shall proceed at his or her own risk

without assurance that the permit for the entire system will be granted.

[A] 107.2 Retention of construction documents. One set of approved *construction documents* shall be retained by the *code official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. ~~One set of approved *construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.~~

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 105.4.1 Approved construction documents. ~~When~~ Where the code official issues the permit ~~where *construction documents* are required~~, the *construction documents* shall be ~~endorsed~~ approved in writing or by a stamp. ~~and stamped "APPROVED." Such *approved construction documents* shall not be changed, modified or altered without authorization from the code official.~~ Work shall be done in accordance with the *approved construction documents*.The *code official* shall have the authority to issue a permit for the construction of a part of a system before the entire construction documents for the whole system have been submitted or *approved*, provided that adequate information and detailed statements have been filed complying with pertinent requirements of this code. The holders of such permit shall proceed at their own risk without assurance that the permit for the entire system will be granted.

[A] 107.2 Retention of construction documents.

One set of approved *construction documents* shall be retained by the *code official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. ~~One set of approved *construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.~~

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 105.6 Permit issuance. ~~When~~ Where the code official issues the permit ~~where *construction documents* are required~~, the *construction documents* shall be ~~endorsed~~ approved in writing or by a stamp. ~~and stamped "APPROVED." Such *approved construction documents* shall not be changed, modified or altered without authorization from the code official.~~ Work shall be done in accordance with the *approved construction documents*.

When the *code official* issues the permit, the *code official* shall endorse in writing or stamp the plans and specifications APPROVED. Such *approved* plans and specifications shall not be changed, modified or altered without authorization from the *code official*, and work regulated by this code shall be done in accordance with the *approved* plans.

[A] 106.8 Retention of plans. One set of *approved* plans, specifications and computations shall be retained by the *code official* for a period of not less than 180 days from date of completion of the permitted work or as required by state or local laws~~; and one set of *approved* plans and specifications shall be returned to the applicant, and said set shall be kept on the site of the building, use or work at all times during which the work authorized thereby is in progress.~~

ADM45-25 Part I

ADM45-25 Part II

IRC: R106.3.1

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Residential Code

Revise as follows:

R106.3.1 Approval of construction documents. Where the *building official* issues a *permit*, the *construction documents* shall be *approved* in writing or by a stamp. ~~that states "REVIEWED FOR CODE COMPLIANCE." One set of *construction documents* so reviewed shall be retained by the *building official*. The other set shall be returned to the applicant, shall be kept at the site of work and shall be open to inspection by the *building official* or a duly authorized representative.~~

Reason: This code change coordinates the language - but not placement - of construction document approval and removes prescriptive verbiage for how agencies must stamp plans.

The deletion of language in the IFC is done as editorial clean up. The intent of the language can already be found in IFC 105.3.6 and is satisfactory in all other codes.

The deletion of plan return and retention on site is deleted in observation increasingly prevalent digital capabilities. If necessary, a department could go so far as to issue a policy that construction documents are to be maintained on site and in what manner; but a prescriptive requirement in the code is not needed.

Cost Impact: Decrease

Estimated Immediate Cost Impact:

$0 - This code change has limited cost impact in it's first part - removing prescriptive stamp verbiage. There is a decrease in cost associated deleting the requirement for physical sets of plans, their return, and availability on site.

Estimated Immediate Cost Impact Justification (methodology and variables):

The immediate cost decrease is appreciated in the reduction of printing costs.

ADM46-25

IFC: 108.2.3 (New), 109.3 (New), SECTION 202 (New), NFPA Chapter 80 (New)

Proponents: Jason Webb, representing Potter Electric Signal (jasonw@pottersignal.com)

2024 International Fire Code

Add new text as follows:

108.2.3 Remote inspections and automated tests. Where remote inspections and tests, automated inspection and testing or distance monitoring are allowed by the *fire code official*, remote inspections and tests, automated inspection and testing, or distance monitoring shall be in accordance with NFPA 915 or other approved program.

109.3 Remote inspections and automated tests. Where remote inspections and tests, automated inspection and testing or distance monitoring are allowed by the fire code official, remote inspections and tests, automated inspection and testing, or distance monitoring shall be in accordance with NFPA 915 or other approved program.

Add new definition as follows:

REMOTE INSPECTION. The performance of an inspection or witnessing of a test conducted by *approved* agencies or individuals using audio-visual devices or other technologies where the *fire code official* is not physically present on site.

Add new standard(s) as follows:

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471

NFPA 915-2024 Standard for Remote Inspections and Tests

Reason: NFPA 915 – the Standard for Remote Inspections and Tests, is proposed to be referenced by chapter 1 as it contains guidance intended to provide the fire code official with tools to implement a remote inspection program, should they choose to do so. The standard is written in a manner which permits the code official to customize the remote inspection/automated testing program in ways that suit their need. Included in NFPA 915 are considerations such as what tools and methods of remote inspections and automated tests are permitted, responsibilities of the person performing the remote inspection, data transmission and ownership, among others. This proposal also gives the fire code official the option of allowing for other approved remote inspection programs.

This language is an important addition to the code for several reasons. No reference to remote inspections or automated tests appears in the code today, although many code official allow for the practice. NFPA 915 was developed with strong influence of building and fire code officials to help fill a gap in a fast-expanding practice which presently has little regulation by the fire code. Besides the guidance provided by NFPA 915 for routine remote inspections (one in which the code official is not physically present) it is important to recognize that many of the fire protection standards currently referenced by the fire code contain language permitting automated testing. Much of this language is coordinated in the various standards, but not all. By referencing NFPA 915 in the fire code, it gives the fire code official the have a standard, consistent practice in place for these inspections and tests.

It is also important to recall that this reference is proposed for what will be the 2027 edition of the fire code. Should it not be approved this cycle, the next edition will be the 2030, likely not adopted by a majority of jurisdictions until 2031 or 2032 at the earliest. The technology driving remote inspection and automated testing is already moving at a much faster pace that the codes can keep up with. Pushing out the reference, and therefore the attempt to standardize the regulations surrounding remote inspections and automated testing another 8 or 9 years for a practice that is already in common practice and increasing rapidly is inadvisable.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This proposal allows for inspections and tests to be conducted remotely or using automated devices when acceptable to the AHJ and when a program is in place. It does not mandate any new inspections or tests and does not impact the cost of construction.

Staff Analysis: A review of the following standards proposed for inclusion in the code regarding some of the key ICC criteria for referenced standards (Section 4.6 of CP#28) will be posted on the ICC website on or before April 1, 2025.
NFPA 915-2024 Standard for Remote Inspections and Tests

ADM47-25 Part I

IBC: [A] 109.3; IEBC: [A] 108.3; IFC: 108.3; IFGC: [A] 108.3; IGCC: 107.3; IMC®: [A] 108.3; IPC: [A] 108.3; IPSDC: [A] 106.3; ISPSC: [A] 109.3; IWUIC: [A] 108.3

Proponents: Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 109.3 Permit valuations. The applicant for a *permit* shall provide an estimated value of the work for which the *permit* is being issued at time of application. Such estimated valuations shall include the total value of work, including materials and labor, for ~~which the *permit* is being issued~~ work, such as electrical, gas, mechanical, plumbing equipment and permanent systems. ~~Where, in the opinion of the *building official*, the valuation is underestimated, the *permit* shall be denied, unless the applicant can show detailed estimates acceptable to the *building official*. The building official shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the building official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the building official, the building official shall have the authority to adjust the final valuation used to determine permit fees. The building official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

2024 International Existing Building Code

Revise as follows:

[A] 108.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at time of application. Such estimated valuations shall include total value of work, including materials and labor for ~~which the permit is being issued~~ work, such as electrical, gas, mechanical, plumbing equipment and permanent systems. ~~Where, in the opinion of the *code official*, the valuation is underestimated, the permit shall be denied unless the applicant can show detailed estimates acceptable to the *code official*. The code official shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the code official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the code official, the code official shall have the authority to adjust the final valuation used to determine permit fees. The code official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

2024 International Fire Code

Revise as follows:

108.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at the time of application. Such estimated valuations shall include the total value of work, including materials and labor, for ~~which the permit is being issued~~ work, such as electrical, gas, mechanical, plumbing equipment and permanent systems. ~~Where , in the opinion of the *fire code official*, the valuation is underestimated, the permit shall be denied unless the applicant can show detailed estimates acceptable to the *fire code official*. The *fire code official* shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the fire code official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the fire code official, the fire code official shall have the authority to adjust the final valuation used to determine permit fees. The fire code official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

2024 International Fuel Gas Code

Revise as follows:

[A] 108.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at time of application. Such estimated valuations shall include total value of work, including materials and labor, for ~~which the permit is being issued~~ work, such as plumbing *equipment* and permanent systems. ~~Where, in the opinion of the *code official*, the valuation is underestimated, the permit shall be denied unless the applicant can show detailed estimates acceptable to the *code official*. The *code official* shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the code official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the code official, the code official shall have the authority to adjust the final valuation used to determine permit fees. The code official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

2024 International Green Construction Code

Revise as follows:

107.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at the time of application. Such estimated valuations shall include the total value of work, including materials and labor, for ~~which the permit is being issued~~ work, such as electrical, gas, mechanical, and plumbing equipment and permanent systems. ~~In the opinion of the building official, where the valuation is underestimated, the permit shall be denied unless the applicant can show detailed estimates acceptable to the building official. The building official shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the building official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the building official, the building official shall have the authority to adjust the final valuation used to determine permit fees. The building official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

2024 International Mechanical Code

Revise as follows:

[A] 108.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at the time of application. Such estimated valuations shall include the total value of work, including materials and labor, for ~~which the permit is being issued~~ work, such as mechanical *equipment* and permanent systems. ~~Where, in the opinion of the code official, the valuation is underestimated, the permit shall be denied unless the applicant can show detailed estimates to the code official. The code official shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the code official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the code official, the code official shall have the authority to adjust the final valuation used to determine permit fees. The code official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

2024 International Plumbing Code

Revise as follows:

[A] 108.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at time of application. Such estimated valuations shall include the total value of work, including materials and labor, for ~~which the permit is being issued~~ work, such as electrical, gas, mechanical, plumbing equipment and permanent systems. ~~Where, in the opinion of the building official, the valuation is underestimated, the permit shall be denied, unless the applicant can show detailed estimates acceptable to the building official. The building official shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the code official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the code official, the code official shall have the authority to adjust the final valuation used to determine permit fees. The code official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 106.3 Permit valuations. The applicant for a *permit* shall provide an estimated value of the work for which the permit is being issued at time of application. Such estimated valuations shall include the total value of work, including materials and labor, for ~~which the *permit* is being issued~~ work, such as electrical, gas, mechanical, plumbing equipment and permanent systems. ~~Where, in the opinion of the *building official*, the valuation is underestimated, the *permit* shall be denied, unless the applicant can show detailed estimates acceptable to the *building official*. The building official shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the building official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the building official, the building official shall have the authority to adjust the final valuation used to determine permit fees. The building official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

2024 International Swimming Pool and Spa Code

Revise as follows:

[A] 109.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at time of application. Such estimated valuations shall include total value of work, including materials and labor, for ~~which the permit is being issued~~ work, such as mechanical equipment and permanent systems. ~~Where, in the opinion of the *code official*, the valuation is underestimated, the permit shall be denied unless the applicant can show detailed estimates to the *code official*. The code official shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the code official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the code official, the code official shall have the authority to adjust the final valuation used to determine permit fees. The code official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] 108.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at time of application. Such estimated valuations shall include the total value of work, including materials and labor, for ~~which the permit is being issued~~ work. ~~Where, in the opinion of the applicable governing authority, the valuation is underestimated, the permit shall be denied, unless the applicant can show detailed estimates acceptable to the applicable governing authority. The applicable governing authority shall have the authority to adjust the final valuation for permit fees.~~ Where, in the opinion of the applicable governing authority, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the applicable governing authority, the applicable governing authority shall have the authority to adjust the final valuation used to determine permit fees. The applicable governing authority shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

ADM47-25 Part I

ADM47-25 Part II

IRC: R108.3, R108.6, R108.4, R108.5

Proponents: Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org)

2024 International Residential Code

Revise as follows:

R108.3 ~~Building permit~~ Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at time of application. Such estimated ~~Building permit~~ valuations shall include the total value of work, including materials and labor, for work~~for which the permit is being issued~~, such as electrical, gas, mechanical, plumbing equipment and permanent systems, ~~including materials and labor~~. Where, in the opinion of the building official, the applicant underestimates the valuation of the work on the application, or the applicant fails to provide detailed estimates acceptable to the building official, the building official shall have the authority to adjust the final valuation used to determine permit fees. The building official shall notify the applicant in writing, stating the final valuation and the reasons why the valuation was altered.

~~R108.6~~ R108.4 Work commencing before permit issuance. Any *person* who commences work requiring a *permit* on a *building*, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary *permits* shall be subject to a fee established by the applicable governing authority that shall be in addition to the required *permit* fees.

~~R108.4~~ R108.5 Related fees. The payment of the fee for the construction, *alteration*, removal or demolition for work done in connection to or concurrently with the work authorized by a building *permit* shall not relieve the applicant or holder of the *permit* from the payment of other fees that are prescribed by law.

~~R108.5~~ R108.6 Refunds. The *building official* is authorized to establish a refund policy.

Reason:
To address concerns about the strict directive to deny a permit based on disagreement over a buildings valuation used for permit fees, this proposal replaces the last two sentences with clarifying text. Examples where the construction cost is different from the building valuation might be a volunteer organization where materials or labor were donated. The building valuation is used to determine the amount of work required by the building department for plan review and inspection costs.
This proposed language provides the building official the authority to set accurate building valuations as currently regulated within the I-codes. At the same time, it provides the applicant the documentation they are entitled to proceed with any potential appeals, the same as any other code section. This eliminates potential subjectivity from either party and ensures consistency in collecting the fees implemented by the locality.

This proposal is submitted by the ICC Building Code Action Committee (BCAC).
BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and 2024 the BCAC has held several virtual meetings open to any interested party. In addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the committee as well as interested parties. Related documents and reports are posted on the BCAC website at BCAC webpage.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This could affect the cost of the permit for buildings where the actual construction cost was different than the valuation of the building.

ADM48-25 Part I

IBC: [A] 107.2.4, [A] 110.3.5 (New)

Proponents: Theresa Weston, The Holt Weston Consultancy, representing Air Barrier Association of America (ABAA) (holtweston88@gmail.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IBC-S CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 107.2.4 Exterior wall ~~envelope~~ assembly. *Construction documents* for all *buildings* shall describe the *exterior wall ~~envelope~~ assembly* in sufficient detail to determine compliance with this code. The *construction documents* shall provide details of the *exterior wall ~~envelope~~ assembly* as required, including flashing, intersections with dissimilar materials, corners, end details, control joints, intersections at roof, eaves or parapets, means of drainage, *water-resistive barrier* and details around openings.

The *construction documents* shall include manufacturer's installation instructions that provide supporting documentation that the proposed penetration and opening details described in the *construction documents* maintain the weather resistance of the *exterior wall ~~envelope.~~ assembly*. The supporting documentation shall fully describe the *exterior wall* system that was tested, where applicable, as well as the test procedure used.

Add new text as follows:

[A] 110.3.5 Water-resistive barrier installation. Inspection is required for the *water-resistive barrier* material and installation in accordance with the construction documents. The inspection shall be conducted during construction while the water-resistive barrier is still accessible for inspection and repair.

Exception: Where *special inspections* are provided in accordance with Section 1705.1.1, Item 3.or Section 1705.21

ADM48-25 Part II

IBC: 1705.21 (New), TABLE 1705.21 (New)

Proponents: Theresa Weston, The Holt Weston Consultancy, representing Air Barrier Association of America (ABAA) (holtweston88@gmail.com)

2024 International Building Code

Add new text as follows:

1705.21 Water-resistive barrier installation. Where required by the *building official*, a special inspection shall be conducted for the installation of the *water-resistive barrier* and the intersection of the water-resistive barrier with flashing in accordance with Sections 1704.2 and Table 1705.21. A statement of special inspections shall be included in the construction documents and shall include the proposed inspection schedule, the list of inspection items, and inspection documentation to be provided. The periodic inspection shall be conducted during construction while the water-resistive barrier is still accessible for inspection and repair.

TABLE 1705.21 REQUIRED SPECIAL INSPECTIONS FOR WATER-RESISTIVE BARRIER INSTALLATION

WATER-RESISTIVE BARRIER TYPE	INSPECTION ITEM	
All water-resistive barriers	Verify the water-resistive barrier is continuous to the top of walls.	
	Verify the water-resistive barrier is integrated with flashing installed at wall and roof intersections as described in section 1503.2.	
	Verify the water-resistive barrier is terminated at penetrations and building appendages in a manner to meet the requirements of the exterior wall envelope as described in Section 1402.2 and is integrated with flashings in accordance with Section 1404.4	
Applicable to specific types of water-resistive barriers.	No 15 felt, and water-resistive barriers complying with ASTM E2556	Verify the water-resistive barrier is applied shingle fashion with the upper layer lapped over the lower layer not less than 2 inches (51 mm).
		Verify vertical joints in the water-resistive barrier sheets are lapped not less than 6 inches (152 mm)
	Foam plastic insulating sheathing water-resistive barriers systems	Verify installation in accordance with manufacturer's installation instructions.
	Water-resistive barrier approved through ASTM E331 testing in accordance with Section 1402.2	Verify installation is in accordance with the installation specified in the testing report.
	Water-resistive barriers approved as alternative materials	Verify the water-resistive barrier is installed in accordance with the manufacturer's installation instructions

Reason: This proposal updates the code sections on the specification and inspection of the e*xterior wall assembly* and *water-resistive barrier* installation, as follows:

1. Updates the terminology in Section 107.2.4 to include the revision of the term "exterior wall envelope" to "exterior wall assembly" that was made in the 2024 IBC Section 202: *exterior wall envelope* was replaced with *exterior wall assembly*.
2. Adds a new section with requirements for inspection of the *water-resistive barrier* installation (and renumbers subsequent sections). The section has an exception for special inspections.
3. Adds a new section in Chapter 17 with the *water-resistive barrier* special inspection criteria to be used when required by the building official.

Water-resistive barriers and their installation are critical to the weather resistance performance of the exterior wall assembly. It is estimated that 70% of construction claims are due to water and moisture issues in the enclosure. [2,5] According to a recent report on building enclosure damage, "Water intrusion... .dreaded by homeowners, contractors, and insurance adjusters alike. It is evident why, as it ranks as the second most common cause for property insurance claims and first for the most expensive type of claim. In addition, water intrusion accounts for 70% of construction litigation. On average, each incident costs $11,098; collectively, water intrusion costs over $20 billion annually throughout the United States.[6]Water-resistive barrier detailing is currently required in the construction documents. However, these details need to be installed correctly as data suggests these water intrusion issues are often a result of incorrect installation: A survey of "top 100" general contracting firms found the "53% of all defects of defects originate from poor workmanship, supervision and inspection of trade contractors during construction." [2] A third party quality assurance inspection firm lists several defects in water-resistive barrier and flashing integration among the "top 10 construction defects observed across the U.S. in 2018." [3] This proposal seeks to reduce water intrusion issues resulting from incorrect installation of the water-resistive barrier and/or integration of flashings with the water-resistive barrier through requiring a special inspection of water-resistive barrier installation.

The new Section 1705.21 was contains a table of inspection items which are based on the requirements in Sections 1403.2 and a survey of common errors in water-resistive barrier installation based on industry audit information, interviews with industry professionals, and internet searches.[2, 5, 7] The table aligns with requirements based on requirements for specific types of water-resistive barriers 1403.2. It should be noted that EIFS and EIFS water-resistive barriers already are subject to special inspections.

Bibliography: 1. ABAA, Air Barrier Quality Assurance Program, https://www.airbarrier.org/qap-overview/
2. Grosskopf, K. R. and D. E. Lucas, "Identifying the Causes of Moisture-Related Defect Litigation in U. S. Building Construction", COBRA 2008 – The Construction and Building Research Conference of the Royal Institution of Chartered Surveyors, Dublin, Sept 4-5, 2008
3. Hoch, Jeff, "The Top 10 Construction Defects Observed Across the U.S. in 2018, QualityBuilt, March 12, 2019; https://www.qualitybuilt.com/resources/top-10-construction-defects-2018/
4. Report of the Barrett Commission of Inquiry into the Quality of Condominium Construction in British Columbia, Vancouver BC, 1998.
5. Stroik, Brian, "Mock-ups: The Crash Test Dummy for Building Enclosures'" ABAA Conference, Norfolk, VA, March 26-27 2019. https://www.abaaconference.com/wp-content/uploads/2019/04/Mock-Ups-The-Crash-Test-Dummy-for-Building-Enclosures-Brian-Stroik.pdf
6. Swart, Amelia, "Damage Report: Water Intrusion", Forum Forensics, September 20, 2022, https://www.forumforensics.com/blog/damage-report-water-intrusion

Cost Impact: Increase

Estimated Immediate Cost Impact:

$.20 to .40 per square foot of opaque wall area for the case when special inspections were conducted.

Estimated Immediate Cost Impact Justification (methodology and variables):

This estimate was based on the cost of quality audits reported by the Air Barrier Association of America [1] and is likely a high estimate as an air barrier quality audit would cover more items than a special inspection of the water-resistive barrier and flashing alone. The increased immediate cost needs to be weighed against the liability for potential water intrusion damage if the water-resistive barrier and flashing are not installed correctly. Experience has shown that because of the relative inaccessibility of the water management components in the building enclosures, rebuilding a wall system can cost twice as much as the original wall cost per sq. ft. [4]

ADM48-25 Part II

ADM49-25

IBC: SECTION 111, [A] 111.1, [A] 111.2, [A] 111.3, [A] 111.4, [A] 111.5 (New), [A] 111.5.1 (New)

Proponents: Joseph Summers, Mashantucket Pequot Tribal Nation, representing Self

2024 International Building Code

SECTION 111
CERTIFICATE OF OCCUPANCY

Revise as follows:

[A] 111.1 ~~Change of~~ Use and occupancy. A *building* or *structure* shall not be used or occupied in whole or in part, and a *change of occupancy* of a *building* or *structure* or portion thereof shall not be made, until the *building official* has issued a certificate of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the *jurisdiction*. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the *jurisdiction* shall not be valid.

~~Exception~~ Exceptions:

1. Certificates of occupancy are not required for work exempt from *permits* in accordance with Section 105.2.
2. Work for which a certificate of approval issued in accordance with Section 111.5.

[A] 111.2 Certificate issued. After the *building official* inspects the building or *structure* and does not find violations of the provisions of this code or other laws that are enforced by the department, the *building official* shall issue a certificate of occupancy that contains the following:

1. The *permit* number.
2. The address of the *structure*.
3. The name and address of the *owner* or the *owner*'s authorized agent.
4. A description of that portion of the *structure* for which the certificate is issued.
5. A statement that the described portion of the *structure* has been inspected for compliance with the requirements of this code.
6. The name of the *building official*.
7. The edition of the code under which the *permit* was issued.
8. The use and occupancy, in accordance with the provisions of Chapter 3.
9. The type of construction as defined in Chapter 6.
10. The design *occupant load*.
11. Where an *automatic sprinkler system* is provided, whether the sprinkler system is required.
12. Any special stipulations and conditions of the building *permit*.

[A] 111.3 Temporary occupancy. The *building official* is authorized to issue a temporary certificate of occupancy before the completion of the entire work covered by the *permit*, provided that such portion or portions shall be occupied safely. The *building official* shall set a time period during which the temporary certificate of occupancy is valid.

[A] 111.4 Revocation. The *building official* is authorized to suspend or revoke a certificate of occupancy or completion issued under the provisions of this code, in writing, wherever the certificate is issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or *structure* or portion thereof is in violation of the provisions of this code or other ordinance of the

jurisdiction .

Add new text as follows:

[A] 111.5 Certificate of approval. The *building official* shall issue a certificate of approval indicating substantial compliance with the requirements of this code for all completed work that requires a building *permit* but does not require a *certificate of occupancy*. Such work shall include, but not be limited to: fences greater than 7 feet (2134 mm) in height; retaining walls greater than 3 feet (914 mm) in height; decks; garages; *swimming pool*s; basements and attics converted to *habitable space*; electrical, plumbing, and mechanical *repairs* or *alterations*.

[A] 111.5.1 Certificate requirements. After the *building official* inspects the building or *structure* and does not find violations of the provisions of this code or other laws that are enforced by the department, the *building official* shall issue a certificate of approval that contains the following:

1. The *permit* number.
2. The address of the *structure*.
3. A description of that portion of the *structure* for which the certificate is issued.
4. A statement that the described portion of the *structure* has been inspected for compliance with the requirements of this code.
5. The name of the *building official*.
6. The edition of the code under which the *permit* was issued.
7. Any special stipulations and conditions of the building *permit*.

Reason: Currently as worded it can be viewed that a certificate of occupancy is required to be issued every time a permit is issued. This proposal provides a simplified path for the building official to issue a document without providing all of the information that is required on a certificate of occupancy.

Bibliography: The State of Connecticut has similar language as part of the State Building Code.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This will not increase or decrease the cost of construction as it is an administrative matter for the building official.

Staff Analysis: Similar requirements for Certificate of Occupancy is also included in the IEBC Section 111 and IRC Sectin 110

ADM49-25

ADM50-25 Part I

IBC: SECTION 111, [A] 111.1, [A] 111.2, [A] 111.3, [A] 111.4; IEBC: SECTION 110, [A] 110.1, [A] 110.2, [A] 110.3, [A] 110.4; IGCC: , 109.1; IWUIC: SECTION 110, [A] 110.1, [A] 110.2, [A] 110.3, [A] 110.4

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

SECTION 111
CERTIFICATE OF OCCUPANCY AND CERTIFICATE OF COMPLETION

[A] 111.1 ~~Change of occupancy~~ Approval before use. A *building,* or *structure* shall not be used or occupied in whole or in part, and a *change of occupancy* of a *building* or *structure* or portion thereof shall not be made, until the *building official* has issued an approval in the form of a certificate of occupancy or certificate of completion therefor as provided herein. Issuance of a certificate of occupancy or certificate of completion shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the *jurisdiction*. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the *jurisdiction* shall not be valid.

Exception: Certificates of occupancy and certificates of completion are not required for work exempt from *permits* in accordance with Section 105.2.

[A] 111.2 Certificate issued. After the *building official* inspects the building or *structure* and does not find violations of the provisions of this code or other laws that are enforced by the department, the *building official* shall issue a certificate of occupancy or certificate of completion that contains the following:

1. The *permit* number.
2. The address of the *structure*.
3. The name and address of the *owner* or the *owner*'s authorized agent.
4. A description of that portion of the *structure* for which the certificate is issued.
5. A statement that the described portion of the *structure* has been inspected for compliance with the requirements of this code.
6. The name of the *building official*.
7. The edition of the code under which the *permit* was issued.
8. The use and occupancy, in accordance with the provisions of Chapter 3.
9. The type of construction as defined in Chapter 6.
10. The design *occupant load*.
11. Where an *automatic sprinkler system* is provided, whether the sprinkler system is required.
12. Any special stipulations and conditions of the building *permit*.

Exception: The building official is authorized to issue certificates of completion, without items 8 and 10, for *structures*.

[A] 111.3 Temporary ~~occupancy~~ certificates. The *building official* is authorized to issue a temporary certificate of occupancy or temporary certificate of completion before the completion of the entire work covered by the *permit*, provided that such portion or portions shall be occupied safely. The *building official* shall set a time period during which the temporary certificate of occupancy or temporary certificate of completion is valid.

[A] 111.4 Revocation. The *building official* is authorized to suspend or revoke a certificate of occupancy or certificate of completion issued under the provisions of this code, in writing, wherever the certificate is issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or *structure* or portion thereof is in violation of the provisions of this code or other ordinance of the *jurisdiction*.

2024 International Existing Building Code

Revise as follows:

SECTION 110
CERTIFICATE OF OCCUPANCY AND CERTIFICATE OF COMPLETION

[A] 110.1 ~~Change of occupancy~~ Approval before use. A building or structure shall not be used or occupied in whole or in part, and a *change of occupancy* of a structure or portion thereof shall not be made until the *code official* has issued an approval in the form of a certificate of occupancy or certificate of completion therefor as provided herein. Issuance of a certificate of occupancy or certificate of completion shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid.

Exception: Certificates of occupancy and certificates of completion are not required for work exempt from permits in accordance with Section 105.2.

[A] 110.2 Certificate issued. After the *code official* inspects the structure and does not find violations of the provisions of this code or other laws that are enforced by the department, the *code official* shall issue a certificate of occupancy or certificate of completion that contains the following:

1. The permit number.
2. The address of the structure.
3. The name and address of the owner or the owner's authorized agent.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.
6. The name of the *code official*.
7. The edition of the code under which the permit was issued.
8. The use and occupancy in accordance with the provisions of the *International Building Code*.
9. The type of construction as defined in the *International Building Code*.
10. The design occupant load and any impact the *alteration* has on the design occupant load of the area not within the scope of the work.
11. Where an automatic sprinkler system is provided, and whether an automatic sprinkler system is required.
12. Any special stipulations and conditions of the building permit.

Exception: The code official is authorized to issue a certificate of completion, without items 8 and 10, for *structures*.

[A] 110.3 Temporary ~~occupancy~~ certificates. The *code official* is authorized to issue a temporary certificate of occupancy or temporary certificate of completion before the completion of the entire work covered by the permit, provided that such portion or portions shall be occupied safely. The *code official* shall set a time period during which the temporary certificate of occupancy or temporary certificate of completion is valid.

[A] 110.4 Revocation. The *code official* is authorized to suspend or revoke a certificate of occupancy or certificate of completion issued

under the provisions of this code, in writing, wherever the certificate is issued in error or on the basis of incorrect information supplied, or where it is determined that the building or structure or portion thereof is in violation of the provisions of this code or other ordinance of the jurisdiction.

2024 International Green Construction Code

Revise as follows:

SECTION 109—CERTIFICATE OF OCCUPANCY AND CERTIFICATE OF COMPLETION

109.1 Violations. Issuance of a certificate of occupancy or certificate of completion shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.

2024 International Wildland Urban Interface Code

SECTION 110
CERTIFICATE OF COMPLETION

Revise as follows:

[A] 110.1 ~~General~~ Approval before use. A building, structure, ~~or~~ premises, or system thereof shall not be used or occupied, and a change in the existing use or occupancy classification of a building, structure, premise or portion thereof shall not be made until the *code official* has issued an approval in the form of a certificate of completion therefor as provided herein. ~~The certificate of occupancy shall not be issued until the certificate of completion indicating that the project is in compliance with this code has been issued by the *code official*.~~

[A] 110.2 Certificate of occupancy. Issuance of a certificate of completion ~~occupancy~~ shall not be construed as an approval of a violation of the provisions of this code or of other pertinent laws and ordinances of the jurisdiction. Certificates presuming to give authority to violate or cancel the provisions of this code or other laws or ordinances of the jurisdiction shall not be valid.

Exceptions:

1. Certificates of ~~occupancy~~ completion are not required for work exempt from permits under Section 105.3.
2. Accessory structures.

[A] 110.3 Temporary ~~occupancy~~ certificates. The *code official* is authorized to issue a temporary certificate of ~~occupancy~~ completion before the completion of the entire work covered by the permit, provided that such portion or portions shall be occupied safely. The *code official* shall set a time period during which the temporary certificate of ~~occupancy~~ completion is valid.

[A] 110.4 Revocation. The *code official* is authorized to, in writing, suspend or revoke a certificate of ~~occupancy or~~ completion issued under the provisions of this code wherever the certificate is issued in error, on the basis of incorrect information supplied, or where it is determined that the building or structure, premise or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

ADM50-25 Part I

ADM50-25 Part II

IRC: SECTION R110, R110.1, R110.2, R110.3, R110.4

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Residential Code

Revise as follows:

SECTION R110
CERTIFICATE OF OCCUPANCY AND CERTIFICATE OF COMPLETION

R110.1 ~~Use and change of occupancy~~ Approval before use. A *building* or structure shall not be used or occupied in whole or in part, and a *change of occupancy* of a *building* or structure or portion thereof shall not be made, until the *building official* has issued an approval in the form of a certificate of occupancy or certificate of completion therefor as provided herein. Issuance of a certificate of occupancy or certificate of completion shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the *jurisdiction*. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the *jurisdiction* shall not be valid.

Exceptions:

1. Certificates of occupancy and certificates of completion are not required for work exempt from *permits* under Section R105.2.
2. Accessory *buildings* or structures.

R110.2 Certificate issued. After the *building official* inspects the building or structure and does not find violations of the provisions of this code or other laws that are enforced by the department, the *building official* shall issue a certificate of occupancy or certificate of completion containing the following:

1. The *permit* number.
2. The address of the structure.
3. The name and address of the *owner* or the *owner*'s authorized agent.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code.
6. The name of the *building official*.
7. The edition of the code under which the *permit* was issued.
8. Where an automatic sprinkler system is provided and whether the sprinkler system is required.
9. Any special stipulations and conditions of the building *permit*.

R110.3 Temporary ~~occupancy~~ certificates. The *building official* is authorized to issue a temporary certificate of occupancy or temporary certificate of completion before the completion of the entire work covered by the *permit*, provided that such portion or portions shall be occupied safely. The *building official* shall set a time period during which the temporary certificate of occupancy or temporary certificate of completion is valid.

R110.4 Revocation. The *building official* is authorized to suspend or revoke a certificate of occupancy or temporary certificate of completion issued under the provisions of this code, in writing, wherever the certificate is issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or structure or portion thereof is in violation of the provisions of this code or other ordinance of the *jurisdiction*.

Reason: Certificates of completion have been present in the code for some time, but their purpose has not been clearly defined. This

code change aims to clarify their use by allowing certificates of completion to be issued in lieu of certificates of occupancy when the scope of work doesn't warrant occupancy or a change in occupancy.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This code change is administrative and does not any measurable cost impact.

ADM50-25 Part II

ADM51-25 Part I

IBC: [A] 111.2; IEBC: [A] 110.2

Proponents: Rebecca Quinn, RCQuinn Consulting, representing Association of State Floodplain Managers (rebecca@rcquinnconsulting.com); Chad Berginnis, representing Association of State Floodplain Managers (cberginnis@floods.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Revise as follows:

[A] 111.2 Certificate issued. After the *building official* inspects the building or *structure* and does not find violations of the provisions of this code or other laws that are enforced by the department, the *building official* shall issue a certificate of occupancy that contains the following:

1. The *permit* number.
2. The address of the *structure*.
3. The name and address of the *owner* or the *owner*'s authorized agent.
4. A description of that portion of the *structure* for which the certificate is issued.
5. A statement that the described portion of the *structure* has been inspected for compliance with the requirements of this code.
6. The name of the *building official*.
7. The edition of the code under which the *permit* was issued.
8. The use and occupancy, in accordance with the provisions of Chapter 3.
9. The type of construction as defined in Chapter 6.
10. The design *occupant load*.
11. Where an *automatic sprinkler system* is provided, whether the sprinkler system is required.
12. For *buildings* and *structures* in *flood hazard areas*, a statement that documentation of the lowest floor elevation or documentation of the elevation of dry floodproofing, as applicable, has been provided and is retained in the records of the department.

~~12.~~ 13. Any special stipulations and conditions of the building *permit*.

2024 International Existing Building Code

Revise as follows:

[A] 110.2 Certificate issued. After the *code official* inspects the structure and does not find violations of the provisions of this code or other laws that are enforced by the department, the *code official* shall issue a certificate of occupancy that contains the following:

1. The permit number.
2. The address of the structure.
3. The name and address of the owner or the owner's authorized agent.
4. A description of that portion of the structure for which the certificate is issued.

5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.

6. The name of the *code official*.

7. The edition of the code under which the permit was issued.

8. The use and occupancy in accordance with the provisions of the *International Building Code*.

9. The type of construction as defined in the *International Building Code*.

10. The design occupant load and any impact the *alteration* has on the design occupant load of the area not within the scope of the work.

11. Where an automatic sprinkler system is provided, and whether an automatic sprinkler system is required.

12. For *buildings* and *structures* in *flood hazard areas*, a statement that documentation of the lowest floor elevation or documentation of the elevation of dry floodproofing, as applicable, has been provided and is retained in the records of the department.

~~12.~~ 13. Any special stipulations and conditions of the building permit.

ADM51-25 Part I

ADM51-25 Part II

IRC: R110.2

Proponents: Rebecca Quinn, RCQuinn Consulting, representing Association of State Floodplain Managers (rebecca@rcquinnconsulting.com); Chad Berginnis, representing Association of State Floodplain Managers (cberginnis@floods.org)

2024 International Residential Code

Revise as follows:

R110.2 Certificate issued. After the *building official* inspects the building or structure and does not find violations of the provisions of this code or other laws that are enforced by the department, the *building official* shall issue a certificate of occupancy containing the following:

1. The *permit* number.
2. The address of the structure.
3. The name and address of the *owner* or the *owner*'s authorized agent.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code.
6. The name of the *building official*.
7. The edition of the code under which the *permit* was issued.
8. Where an automatic sprinkler system is provided and whether the sprinkler system is required.
9. For *buildings* and *structures* in *flood hazard areas*, a statement that documentation of the lowest floor elevation has been provided and is retained in the records of the department.

~~9.~~ 10. Any special stipulations and conditions of the building *permit*.

Reason:
The IBC, IRC, and IEBC all require submission of documentation of the elevation of the lowest floor, or elevation of dry floodproofing, if applicable, before the final inspection of buildings and structures in in flood hazard areas (see IBC Sec. 110.3.12.1, IRC Sec. R109.1.6.1, and IEBC Sec. 109.3.10). This proposal adds a statement regarding that documentation to the other building- and permit-specific information that must be contained in the Certificate of Occupancy. The Florida Building Code has included a similar requirement since 2014.

There are a number of benefits to adding the proposed note to the list of what is required to be included in Certificates of Occupancy. It is beneficial for property owners, local governments, future buyers, attorneys, contractors, design professionals, realtors, and insurance companies and lenders. Anyone who requests a copy of the certificate will see the statement and know that they can request copies of the documentation on file to validate that the lowest floor or dry floodproofing elevation was compliant at the time of construction.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

There is no impact on the cost of construction. Implementation of the proposed change requires changing Certificate of Occupancy forms, which is a minimal one-time cost for communities, but does not impact the overall cost of construction. Certificates of Occupancy forms are completed for each property when permits are issued. The Florida Building Code has had a similar requirement for 15 years; a number of Florida communities confirmed that checking a box to confirm the required documentation is on record does not add any cost.

ADM52-25

IMC®: SECTION 113, [A] 113.1; IPC: SECTION 113, [A] 113.1

Proponents: Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org)

2024 International Mechanical Code

Delete without substitution:

~~SECTION 113~~
~~BOARD OF APPEALS~~

~~**[A] 113.1 Membership of board.** The board of appeals shall consist of five members appointed by the chief appointing authority as follows: one for 5 years; one for 4 years; one for 3 years; one for 2 years; and one for 1 year. Thereafter, each new member shall serve for 5 years or until a successor has been appointed.~~

2024 International Plumbing Code

Delete without substitution:

~~SECTION 113~~
~~BOARD OF APPEALS~~

~~**[A] 113.1 Membership of board.** The board of appeals shall consist of five members appointed by the chief appointing authority as follows: one for 5 years; one for 4 years; one for 3 years; one for 2 years; and one for 1 year. Thereafter, each new member shall serve for 5 years or until a successor has been appointed.~~

Reason: ADM43-19 added and/or coordinated the appendix with the criteria for the Board of Appeals to all the codes. The makeup of the Board should be an administrative item and not part of the codes. This section was revised in that proposal. Rather than make this an errata, this proposal is to delete this information at this time.
This proposal is submitted by the ICC Building Code Action Committee (BCAC).
BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and 2024 the BCAC has held several virtual meetings open to any interested party. In addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the committee as well as interested parties. Related documents and reports are posted on the BCAC website at BCAC webpage.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This is a coordination item with no change to construction requirements.

ADM53-25

IFC: [A] 113.3

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Fire Code

Delete and substitute as follows:

~~**[A] 113.3 Notice of violation.** Where the *fire code official* finds a building, premises, vehicle, storage facility or outdoor area that is in violation of this code, the *fire code official* is authorized to prepare a written notice of violation describing the conditions deemed unsafe and, where compliance is not immediate, specifying a time for reinspection.~~

[A] 113.3 Notice of violation. The *fire code official* is authorized to serve a notice of violation or order on the *person* responsible for a building or structure, premises, vehicle, storage facility or outdoor area in violation of the provisions of this code, or in violation of a permit or certificate issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

Reason: This code change aligns the NOV provisions of the IFC with the IBC while maintaining the scope of the IFC.

For reference; the IBC's language is as follows: The building official is authorized to serve a notice of violation or order on the person responsible for the erection, construction, alteration, extension, repair, moving, removal, demolition or occupancy of a building or structure [...] in violation of the provisions of this code, or in violation of a permit or certificate issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This langage coordinates sections while maintaining the intent of the language. There are no realistic cost impacts.

ADM53-25

ADM54-25

IBC: [A] 116.1

Proponents: John-Jozef Proczka, representing City of Phoenix Planning and Development Department (john-jozef.proczka@phoenix.gov)

2024 International Building Code

Revise as follows:

[A] 116.1 Unsafe conditions. *Structures* or ~~existing~~ equipment that are or hereafter become unsafe, insanitary or deficient ~~because of inadequate *means of egress facilities*, inadequate light and *ventilation*, or that constitute a fire hazard, or are otherwise *dangerous* to human life or the public welfare, or that involve illegal or improper occupancy or inadequate maintenance,~~ shall be deemed an unsafe condition.

An unsafe condition is any condition that, as deemed by the *building official*, poses a danger to human life or the public welfare, including, but not limited to, the following:

1. Inadequate structural performance.
2. Inadequate sanity system performance.
3. Inadequate *means of egress* facilities.
4. Inadequate light.
5. Inadequate ventilation.
6. Constituting an explosion hazard.
7. Constituting a fire hazard.
8. Constituting a shock hazard.
9. Constituting a toxicity hazard.
10. Involve occupancy of a higher relative hazard than the structure is built to support or shelter.

Unsafe *structures* shall be taken down and removed or made safe, as the *building official* deems necessary and as provided for in this section. A vacant *structure* that is not secured against unauthorized entry shall be deemed unsafe.

Reason: This change is intended only to clarify the provisions in this section. The current run on sentence is very difficult to follow, so a list is introduced for the types of reasons that may constitute an unsafe condition. Some new possible reasons are included to help guide the code user, but some of them are obviously already intended to be included, such as structural performance.

The one possible intent change here has to do with the "illegal or improper occupancy" being replaced with the higher relative hazard occupancy. This is a concept that is most easily seen in the IEBC Section 1011 change of occupancy classification provisions.

The user of this section is cautioned that not all instances of inadequate performance are intended to be unsafe conditions. Only those that are sufficiently deficient are intended to be considered unsafe conditions, as determined by the building official. For instance, a non-draining shower would not be an unsafe condition, however sewage backing up into a building could be an unsafe condition.

Depending on the functioning of the building department with respect to neighborhood blight, it may be appropriate to amend out the provision for vacant structures being considered unsafe conditions, as they do not appear to be dangerous just by being vacant. If the department does regulate neighborhood blight, it may also be appropriate to re-introduce illegal occupancy as a condition that wishes to be enforced for these purposes.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This is only a reorganization and clarification of this section.

ADM55-25

IEBC: SECTION 116, [A] 116.1, [A] 116.2, [A] 116.3, [A] 116.4, [A] 116.5, [A] 116.6, SECTION 202 (New); IPMC: 110, 110.1, 110.2, 110.3, 110.4, 110.5, 110.6, SECTION 202 (New)

Proponents: Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org)

2024 International Existing Building Code

SECTION 116
EMERGENCY MEASURES

[A] 116.1 Imminent danger. Where, in the opinion of the *code official*, there is imminent danger of failure or collapse of a building that endangers life, or where any building or part of a building has fallen and life is endangered by the occupation of the building, or where there is actual or potential danger to the building occupants or those in the proximity of any ~~structure~~ building because of explosives, explosive fumes or vapors, or the presence of toxic fumes, gases, or materials, or operation of defective or dangerous equipment, the *code official* is hereby authorized and empowered to order and require the occupants to vacate the premises forthwith. The *code official* shall cause to be posted at each entrance to such ~~structure~~ building a notice reading as follows: "This ~~Structure~~ Building Is Unsafe and Its Occupancy Has Been Prohibited by the Code Official." It shall be unlawful for any person to enter such ~~structure~~ building except for the purpose of securing the ~~structure~~ building , making the required *repairs*, removing the hazardous condition, or of demolishing the same.

[A] 116.2 Temporary safeguards. Notwithstanding other provisions of this code, whenever, in the opinion of the *code official*, there is imminent danger due to an *unsafe* condition, the *code official* shall order the necessary work to be done, including the boarding up of openings, to render such ~~structure~~ building temporarily safe whether or not the legal procedure herein described has been instituted; and shall cause such other action to be taken as the *code official* deems necessary to meet such emergency.

[A] 116.3 Closing streets. Where necessary for public safety, the *code official* shall temporarily close ~~structures~~buildings and close or order the authority having jurisdiction to close sidewalks, streets, public ways and places adjacent to *unsafe* ~~structures~~buildings , and prohibit the same from being utilized.

[A] 116.4 Emergency repairs. For the purposes of this section, the *code official* shall employ the necessary labor and materials to perform the required work as expeditiously as possible.

[A] 116.5 Costs of emergency repairs. Costs incurred in the performance of emergency work shall be paid by the jurisdiction. The legal counsel of the jurisdiction shall institute appropriate action against the owner of the premises or the owner's authorized agent where the *unsafe* ~~structure~~ building is or was located for the recovery of such costs.

[A] 116.6 Hearing. Any person ordered to take emergency measures shall comply with such order forthwith. Any affected person shall thereafter, on petition directed to the appeals board, be afforded a hearing as described in this code.

Add new definition as follows:

IMMINENT DANGER. A condition that could cause serious or life-threatening injury or death at any time.

2024 International Property Maintenance Code

SECTION 110
EMERGENCY MEASURES

110.1 Imminent danger. When, in the opinion of the *code official*, there is *imminent danger* of failure or collapse of a building ~~*or structure*~~ that endangers life, or ~~when~~ where any ~~structure~~ building or part of a ~~structure~~ building has fallen and life is endangered by the

occupation of the ~~structure~~ building , or ~~when~~ wherethere is actual or potential danger to the building *occupants* or those in the proximity of any ~~structure~~ building because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials, or operation of defective or *dangerous* equipment, the *code official* is hereby authorized and empowered to order and require the *occupants* to vacate the *premises* forthwith. The *code official* shall cause to be posted at each entrance to such *structure* a notice reading as follows: "This ~~Structure~~ Building Is Unsafe and Its *Occupancy* Has Been Prohibited by the *Code Official*." It shall be unlawful for any *person* to enter such ~~structure~~ building except for the purpose of securing the ~~structure~~ building , making the required repairs, removing the hazardous condition or of demolishing the same.

110.2 Temporary safeguards. Notwithstanding other provisions of this code, whenever, in the opinion of the *code official*, there is *imminent danger* due to an unsafe condition, the *code official* shall order the necessary work to be done, including the boarding up of openings, to render such ~~structure~~ building temporarily safe whether or not the legal procedure herein described has been instituted; and shall cause such other action to be taken as the *code official* deems necessary to meet such emergency.

110.3 Closing streets. When necessary for public safety, the *code official* shall temporarily close ~~structures~~buildingsand close, or order the authority having jurisdiction to close, sidewalks, streets, *public ways* and places adjacent to unsafe ~~structures~~buildings, and prohibit the same from being utilized.

110.4 Emergency repairs. For the purposes of this section, the *code official* shall employ the necessary labor and materials to perform the required work as expeditiously as possible.

110.5 Costs of emergency repairs. Costs incurred in the performance of emergency work shall be paid by the jurisdiction. The legal counsel of the jurisdiction shall institute appropriate action against the *owner* of the *premises*~~structure~~ buildingor *owner*'s authorized agent where the unsafe *structure* is or was located for the recovery of such costs.

110.6 Hearing. Any *person* ordered to take emergency measures shall comply with such order forthwith. Any affected *person* shall thereafter, upon petition directed to the appeals board, be afforded a hearing as described in this code.

Add new definition as follows:

[A] BUILDING. Any structure utilized or intended for supporting or sheltering any occupancy.
UNSAFE. Buildings, structures or equipment that are unsanitary, or that are deficient due to inadequate means of egress facilities, inadequate light and ventilation, or that constitute a fire hazard, or in which the structure or individual structural members meet the definition of "Dangerous," or that are otherwise dangerous to human life or the public welfare, or that involve illegal or improper occupancy or inadequate maintenance shall be deemed unsafe. A vacant structure that is not secured against entry shall be deemed unsafe.

Reason: The intent of this proposal is to coordinate the sections for Emergency Measures in IPMC and IEBC. The current text uses 'building', 'structure' or sometimes both. The text is not consistent. Given the definitions, 'building' seems more appropriate where you are talking about vacating and placarding for safety of occupants.

Currently, the relevant definitions are only in one of the two codes.

IEBC only - **BUILDING.** Any structure utilized or intended for supporting or sheltering any occupancy.

IPMC only - **IMMINENT DANGER.** A condition that could cause serious or life-threatening injury or death at any time.

IPMC only - [A] **STRUCTURE.** That which is built or constructed.

IEBC only - **UNSAFE.** Buildings, structures or equipment that are unsanitary, or that are deficient due to inadequate means of egress facilities, inadequate light and ventilation, or that constitute a fire hazard, or in which the structure or individual structural members meet the definition of "Dangerous," or that are otherwise dangerous to human life or the public welfare, or that involve illegal or improper occupancy or inadequate maintenance shall be deemed unsafe. A vacant structure that is not secured against entry shall be deemed unsafe.

This proposal is submitted by the ICC Building Code Action Committee (BCAC).
BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and 2024 the BCAC has held several virtual meetings open to any interested party. In

addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the committee as well as interested parties. Related documents and reports are posted on the BCAC website at BCAC webpage.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This is an editorial correlation between the administrative provisions in the I-codes. There is no change to constructions requirements.

ADM55-25

ADM56-25 Part I

IBC: SECTION 117 (New), [A] 117.1 (New), [A] 117.2 (New); IEBC: SECTION 118 (New), [A] 118.1 (New), [A] 118.2 (New); IFC: SECTION 116 (New), [A] 116.1 (New), [A] 116.2 (New); IFGC: SECTION 115 (New), [A] 115.1 (New), [A] 115.2 (New); IGCC: SECTION 111 (New), 111.1 (New), 111.2 (New); IMC®: SECTION 116 (New), [A] 116.1 (New), [A] 116.2 (New); IPC: SECTION 116 (New), [A] 116.1 (New), [A] 116.2 (New); IPSDC: SECTION 115 (New), [A] 115.1 (New), [A] 115.2 (New); IPMC: SECTION 112 (New), [A] 112.1 (New), 112.2 (New); ISPSC: SECTION 115 (New), [A] 115.1 (New), [A] 115.2 (New)

Proponents: Bryan Toepfer, representing NY DOS (bryan.toepfer@dos.ny.gov); Chad Sievers, NYS, representing NYS Dept of State (chad.sievers@dos.ny.gov); Jeanne Rice, representing NYSDOS (jeanne.rice@dos.ny.gov); Daniel Carroll, New York State Department of State, representing Division of Building Standards and Codes (daniel.carroll@dos.ny.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-B CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2024 International Building Code

Add new text as follows:

SECTION 117
EMERGENCY MEASURES

[A] 117.1 Imminent danger. The occupants shall vacate premises when any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.
2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.
3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.
4. Operation of defective or dangerous equipment.

[A] 117.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: “This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official.” It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

2024 International Existing Building Code

Add new text as follows:

SECTION 118
EMERGENCY MEASURES

[A] 118.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.

2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.

3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.

4. Operation of defective or dangerous equipment.

[A] 118.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: "This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

2024 International Fire Code

Add new text as follows:

SECTION 116
EMERGENCY MEASURES

[A] 116.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.

2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.

3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.

4. Operation of defective or dangerous equipment.

[A] 116.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: "This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

2024 International Fuel Gas Code

Add new text as follows:

SECTION 115
EMERGENCY MEASURES

[A] 115.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.

2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.

3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.

4. Operation of defective or dangerous equipment.

[A] 115.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: "This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

2024 International Green Construction Code

Add new text as follows:

SECTION 111
EMERGENCY MEASURES

111.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.

2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.

3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.

4. Operation of defective or dangerous equipment.

111.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: "This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

2024 International Mechanical Code

Add new text as follows:

SECTION 116
EMERGENCY MEASURES

[A] 116.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.

2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.

3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.

4. Operation of defective or dangerous equipment.

[A] 116.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: "This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

2024 International Plumbing Code

Add new text as follows:

SECTION 116
EMERGENCY MEASURES

[A] 116.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.

2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.

3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.

4. Operation of defective or dangerous equipment.

[A] 116.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: "This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

2024 International Private Sewage Disposal Code

Add new text as follows:

SECTION 115
EMERGENCY MEASURES

[A] 115.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.
2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.
3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.
4. Operation of defective or dangerous equipment.

[A] 115.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: "This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

2024 International Property Maintenance Code

Add new text as follows:

SECTION 112
EMERGENCY MEASURES

[A] 112.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.
2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.
3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.

4. Operation of defective or dangerous equipment.

112.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: "This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

2024 International Swimming Pool and Spa Code

Add new text as follows:

SECTION 115
EMERGENCY MEASURES

[A] 115.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.

2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.

3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.

4. Operation of defective or dangerous equipment.

[A] 115.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: "This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official." It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

ADM56-25 Part I

ADM56-25 Part II

IRC: SECTION R115 (New), R115.1 (New), R115.2 (New)

Proponents: Bryan Toepfer, representing NY DOS (bryan.toepfer@dos.ny.gov); Chad Sievers, NYS, representing NYS Dept of State (chad.sievers@dos.ny.gov); Jeanne Rice, representing NYSDOS (jeanne.rice@dos.ny.gov); Daniel Carroll, New York State Department of State, representing Division of Building Standards and Codes (daniel.carroll@dos.ny.gov)

2024 International Residential Code

Add new text as follows:

SECTION R115
EMERGENCY MEASURES

R115.1 Imminent danger. The occupants shall vacate premises where any of the following exists:

1. Imminent danger of failure or collapse of a building or structure which endangers life.
2. A structure where the entire structure, or part of the structure, has fallen and life is endangered by the occupation of the structure.
3. Actual or potential danger to the building occupants or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials.
4. Operation of defective or dangerous equipment.

R115.2 Notice. There shall be posted at each entrance to such structure a notice reading as follows: “This Structure is Unsafe and its Occupancy Has Been Prohibited by the Fire Code Official.” It shall be unlawful for any person to enter such structure except for the purpose of securing the structure, making the required repairs, removing the hazardous condition or demolishing the structure.

Reason: This code proposal is suggesting adding language for vacating when imminent danger is present, as well as posting a notice on premises.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

There is no cost impact, as the changes suggested are editorial and only add language that do not change any intent of the code.

ADM57-25

IEBC: [A] 117.1

Proponents: Sean Denniston, Heritage Green Consulting, representing Association for Preservation Technology (sean@heritagegreenconsulting.com); James Lindberg, representing National Trust for Historic Preservation (jlindberg@savingplaces.org)

2024 International Existing Building Code

Revise as follows:

[A] 117.1 General. When the *code official* determines any structure is so old, dilapidated or has become so out of repair and is dangerous, unsafe, insanitary and otherwise unfit for human habitation or occupancy the *code official* can order either of the following:

1. The code official is permitted to authorize the owner or owner's authorized agent to make the structure safe by *repairs* in order to make the structure safe and sanitary. Where there has been a cessation of construction repairs of any structure for a period of more than 2 years, the structure will be ordered demolished and removed.
2. The code official is permitted to order the owner or owner's authorized agent to demolish and remove any such structure.

Exception: A *historic building* shall only be ordered demolished by the *code official* where it poses an imminent danger to public safety that cannot be remedied through means other than demolition.

Attached Files

- **Support for amendments to IEBC.pdf**
  https://www.cdpaccess.com/proposal/11776/35734/files/download/9280/

Reason: Many jurisdictions have historic preservation requirements in their municipal or building codes intended to protect the historic character and integrity of historic buildings. These regulations typically include restrictions on the demolition of historic buildings. These vary in stringency, but generally make demolishing a historic building more difficult than demolishing non-historic buildings. These restrictions generally require the owner to demonstrate that the historic building meets some criteria for technical or financial infeasibility before the historic building can be demolished. However, these restrictions also typically include an exception for buildings that have been found unsafe/unfit and ordered demolished by the building official. Here is an example from Vancouver, WA (VMC 20.510.050(A)(3)):

"A structure as identified above (ed: a historic building) shall not be demolished except in the following manner:

a. Demolition of Unsafe Buildings. If the City Building Official has found the structure to be unsafe under the provisions of Chapter 17.32 VMC, Unfit Buildings and Premises Code, and has ordered that the structure be demolished."

Or this example from the City of Milwaukee's historic preservation regulations (320-21-16):

"EMERGENCY RAZING NOT PROHIBITED. Nothing contained in this section shall prohibit the demolition of a structure for which a court order has been issued or for which the commissioner of neighborhood services has issued an emergency raze order under s. 218-4.5."

These kinds of exceptions to historic building demolition restrictions make sense, as we do not want preservation requirements in the code to create a barrier to the jurisdiction protecting public safety. However, they also create significant problems. The historic building owner who knows that their building doesn't meet the requirements for demolition under the jurisdiction's preservation regulation is incentivized to try to get the jurisdiction to order demolition in order to avoid those restrictions. In fact, they are even incentivized to allow their building to deteriorate to the point that it will qualify as unsafe. This creates very significant problems for preservation, for public safety and for code officials.

The first problem is for preservation. Communities enact historic preservation ordinances to protect their local cultural heritage. One of the most important protections is the one against the loss of historic buildings to demolition. If there is an end-run around these demolition restrictions, particularly a path that does not require engagement with preservation authorities, then those protections are significantly weakened. Any building owner that wants to demolish a historic building can just allow their building to deteriorate to the

point of unsafeness and negate the protections on their building. This "demolition by neglect" is a long-established issue faced by preservationists.

The second problem is for public safety. The potential end-run around preservation regulations creates an incentive for owners to allow their buildings to become unsafe. That building will likely pose risks to public safety long before it reaches the state where they can be considered unsafe or where they come to the attention of the code official. Disinvestment in the building also then creates a drag on the value of neighboring buildings and economic viability of the neighborhood.

The third problem is for code officials. This path around preservation requirements goes straight through the code official. Code officials can be pressured by building owners to condemn their buildings. They may even find themselves being accused of neglecting public safety if they don't, in an effort to shift the blame for the hazard from the owner to the building official. This is exactly what is happening in Vancouver, WA. In Vancouver, permits for the demolition of certain historic buildings requires meeting a set of requirements to determine financial infeasibility of preservation (VMC 20.510.050(A)(3)). These are substantially more stringent than the standards for a demolition order for an unsafe building. Since 2020, the owners of four historic buildings with demolition restrictions on them have requested that the code official find these buildings unfit and order their demolition, which has created significant backlash from the preservation community (as seen in the discussions at Historic Preservation Commission meetings).

This proposal addresses these issues through a simple modification to Section 117. Section 117 gives the code official two options for an unsafe building: order repair or order demolition. The exception makes it clear that the code official can only order demolition of a historic building (a defined term in the I-Codes) if the historic building poses an immanent danger to public safety that cannot be remedied through means other than demolition. This eliminates the potential conflict between this code section and local preservation regulations, and the likelihood of the code official getting caught between preservation regulations/authorities and an owner seeking to circumvent them. The proposed wording ensures that the code official does not lose the authority to protect public safety. If an unsafe historic building poses an immanent threat to public safety, the code official can still order demolition if that is the only means of remedying the danger.

This proposal is submitted by the Association for Preservation Technology and the National Trust for Historic Preservation and further supported by Main Street America, National Trust Community Investment Corporation and RePurpose Capital (see attached letter of support), which represent a significant portion of national historic preservation organizations.

Bibliography:

1. Ellenbecker, L. (2022, November 17). "Vancouver's historic Providence Academy smokestack to be removed." *The Columbian.* https://www.columbian.com/news/2021/oct/18/providence-academy-smokestack-to-be-removed/
2. Goldwyn, A. M. (1995). *Demolition by Neglect: A Loophole in Preservation Policy*. University of Pennsylvania, 1995, Philadelphia.
3. "Minutes of the Clark County Historic Preservation Commission Meeting." Clark County, 11/4/2020, Vancouver, WA.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

The proposal impacts procedure. It may decrease the cost of enforcement.

ADM57-25

ADM58-25

IBC: SECTION 202, SECTION 202 (New); IEBC: SECTION 202 (New), RESOURCE A, ; IFC: SECTION 202; IGCC: 107.3, 107.4, 107.6; IMC®: [A] 106.1, [F] 512.12.1; IPC: [A] 108.3; IPMC: SECTION 202 (New), [A] 105.2.2.5, [A] 105.2.2.5.1, [A] 105.2.2.6.2; IPSDC: [A] 106.3, [A] 107.1; IWUIC: SECTION 202, SECTION 202 (New); IZC: 1008.2.2

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Building Code

Revise as follows:

[A] ~~BUILDING~~ CODE OFFICIAL. The ~~officer or other~~ designated authority charged with the administration and enforcement of this code, or a duly authorized representative.

Add new definition as follows:

FIRE CODE OFFICIAL. The fire chief or other designated authority charged with the administration and enforcement of the *International Fire Code*, or a duly authorized representative.

2024 International Existing Building Code

Add new definition as follows:

FIRE CODE OFFICIAL. The fire chief or other designated authority charged with the administration and enforcement of the *International Fire Code*, or a duly authorized representative.

RESOURCE A
GUIDELINES ON FIRE RATINGS OF ARCHAIC MATERIALS AND ASSEMBLIES

Revise as follows:

2.1 PRELIMINARY EVALUATION. A preliminary evaluation should begin with a building survey to determine the existing materials, the general arrangement of the structure and the use of the occupied spaces, and the details of construction. The designer needs to know “what is there” before a decision can be reached about what to keep and what to remove during the rehabilitation process. This preliminary evaluation should be as detailed as necessary to make initial plans. The fire-related properties need to be determined from the applicable building or rehabilitation code, and the materials and assemblies existing in the building then need to be evaluated for these properties. Two worksheets are shown below to facilitate the preliminary evaluation.

Two possible sources of information helpful in the preliminary evaluation are the original building plans and the building code in effect at the time of original construction. Plans may be on file with the local building department or in the offices of the original designers (e.g., architect, engineer) or their successors. If plans are available, the investigator should verify that the building was actually constructed as called for in the plans, as well as incorporate any later alterations or changes to the building. Earlier editions of the local building code should be on file with the ~~building~~ code official. The code in effect at the time of construction will contain fire performance criteria. While this is no guarantee that the required performance was actually provided, it does give the investigator some guidance as to the level of performance which may be expected. Under some code administration and enforcement systems, the code in effect at the time of construction also defines the level of performance that must be provided at the time of rehabilitation.

Table 2.1(1) illustrates one method for organizing preliminary field notes. Space is provided for the materials, dimensions and condition of the principal building elements. Each floor of the structure should be visited and the appropriate information obtained. In practice, there will often be identical materials and construction on every floor, but the exception may be of vital importance. A schematic diagram should be prepared of each floor showing the layout of exits and hallways and indicating where each element described in the field notes fits into the structure as a whole. The exact arrangement of interior walls within apartments is of secondary importance from a fire safety point of view and need not be shown on the drawings unless these walls are required by code to have a fire-resistance rating.

The location of stairways and elevators should be clearly marked on the drawings. All exterior means of escape (e.g., fire escapes)

should be identified. (Note: Problems providing adequate exiting are discussed at length in the *Egress Guideline for Residential Rehabilitation*.)

The following notes explain the entries in Table 2.1(1).

Exterior Bearing Walls. Many old buildings utilize heavily constructed walls to support the floor/ceiling assemblies at the exterior of the building. There may be columns and/or interior bearing walls within the structure, but the exterior walls are an important factor in assessing the fire safety of a building.

The field investigator should note how the floor/ceiling assemblies are supported at the exterior of the building. If columns are incorporated in the exterior walls, the walls may be considered nonbearing.

Interior Bearing Walls. It may be difficult to determine whether or not an interior wall is load bearing, but the field investigator should attempt to make this determination. At a later stage of the rehabilitation process, this question will need to be determined exactly. Therefore, the field notes should be as accurate as possible.*Exterior Nonbearing Walls*. The fire resistance of the exterior walls is important for two reasons. These walls (both bearing and nonbearing) are depended upon to: a) contain a fire within the building of origin; or b) keep an exterior fire *outside* the building. It is therefore important to indicate on the drawings where any openings are located as well as the materials and construction of all doors or shutters. The drawings should indicate the presence of wired glass, its thickness and framing, and identify the materials used for windows and door frames. The protection of openings adjacent to exterior means of escape (e.g., exterior stairways, fire escapes) is particularly important. The ground floor drawing should locate the building on the property and indicate the precise distances to adjacent buildings.*Interior Nonbearing Walls (Partitions)*. A partition is a “wall that extends from floor to ceiling and subdivides space within any story of a building” (see Bibliography entry 35). Table 2.1(1) has two categories (A & B) for Interior Nonbearing Walls (Partitions) which can be used for different walls, such as hallway walls as compared to inter-apartment walls. Under some circumstances there may be only one type of wall construction; in others, three or more types of wall construction may occur.

The field investigator should be alert for differences in function as well as in materials and construction details. In general, the details within apartments are not as important as the major exit paths and exit stairways. The preliminary field investigation should attempt to determine the thickness of all walls. A term introduced below called “thickness design” will depend on an accurate ($\pm\ ^1/_4$ inch) determination. Even though this initial field survey is called “preliminary,” the data generated should be as accurate and complete as possible.

The field investigator should note the exact location from which observations are recorded. For instance, if a hole is found through a wall enclosing an exit stairway which allows a cataloguing of the construction details, the field investigation notes should reflect the location of the “find.” At the preliminary stage it is not necessary to core every wall; the interior details of construction can usually be determined at some location.

Structural Frame. There may or may not be a complete skeletal frame, but usually there are columns, beams, trusses or other like elements. The dimensions and spacing of the structural elements should be measured and indicated on the drawings. For instance, if there are 10-inch-square columns located on a 30-foot-square grid throughout the building, this should be noted. The structural material and cover or protective materials should be identified wherever possible. The thickness of the cover materials should be determined to an accuracy of $\pm\ ^1/_4$ inch. As discussed above, the preliminary field survey usually relies on accidental openings in the cover materials rather than a systematic coring technique.*Floor/Ceiling Structural Systems*. The span between supports should be measured. If possible, a sketch of the cross-section of the system should be made. If there is no location where accidental damage has opened the floor/ceiling construction to visual inspection, it is necessary to make such an opening. An evaluation of the fire resistance of a floor/ceiling assembly requires detailed knowledge of the materials and their arrangement. Special attention should be paid to the cover on structural steel elements and the condition of suspended ceilings and similar membranes.*Roofs*. The preliminary field survey of the roof system is initially concerned with watertightness. However, once it is apparent that the roof is sound for ordinary use and can be retained in the rehabilitated building, it becomes necessary to evaluate the fire performance. The field investigator must measure the thickness and identify the types of materials which have been used. Be aware that there may be several layers of roof materials.*Doors*. Doors to stairways and hallways represent some of the most important fire elements to be considered within a building. The uses of the spaces separated largely controls the level of fire performance necessary. Walls and doors enclosing stairways or elevator shafts would normally require a higher level of performance than between the bedroom and bath. The various uses are differentiated in Table 2.1(1).

Careful measurements of the thickness of door panels must be made, and the type of core material within each door must be determined. It should be noted whether doors have self-closing devices; the general operation of the doors should be checked. The latch should engage and the door should fit tightly in the frame. The hinges should be in good condition. If glass is used in the doors, it should be identified as either plain glass or wired glass mounted in either a wood or steel frame.

Materials. The field investigator should be able to identify ordinary building materials. In situations where an unfamiliar material is found, a sample should be obtained. This sample should measure at least 10 cubic inches so that an ASTM E136 fire test can be conducted to determine if it is combustible.*Thickness*. The thickness of all materials should be measured accurately since, under certain circumstances, the level of fire resistance is very sensitive to the material thickness.*Condition*. The method of attaching the various layers and facings to one another or to the supporting structural element should be noted under the appropriate building element. The "secureness" of the attachment and the general condition of the layers and facings should be noted here.*Notes*. The "Notes" column can be used for many purposes, but it might be a good idea to make specific references to other field notes or drawings.

After the building survey is completed, the data collected must be analyzed. A suggested work sheet for organizing this information is given as Table 2.1(2).

The required fire resistance and flame spread for each building element are normally established by the local building or rehabilitation code. The fire performance of the existing materials and assemblies should then be estimated, using one of the techniques described below. If the fire performance of the *existing building* element(s) is equal to or greater than that required, the materials and assemblies may remain. If the fire performance is less than required, then corrective measures must be taken.

The most common methods of upgrading the level of protection are to either remove and replace the *existing building* element(s) or to *repair* and upgrade the existing materials and assemblies. Other fire protection measures, such as automatic sprinklers or detection and alarm systems, also could be considered, though they are beyond the scope of this guideline. If the upgraded protection is still less than that required or deemed to be acceptable, additional corrective measures must be taken. This process must continue until an acceptable level of performance is obtained.

2.2 FIRE RESISTANCE OF EXISTING BUILDING ELEMENTS. The fire resistance of the *existing building* elements can be estimated from the tables and histograms contained in the Appendix. The Appendix is organized first by type of building element: walls, columns, floor/ceiling assemblies, beams and doors. Within each building element, the tables are organized by type of construction (e.g., masonry, metal, wood frame) and then further divided by minimum dimensions or thickness of the building element.

A histogram precedes every table that has 10 or more entries. The X-axis measures fire resistance in hours; the Y-axis shows the number of entries in that table having a given level of fire resistance. The histograms also contain the location of each entry within that table for easy cross-referencing.

The histograms, because they are keyed to the tables, can speed the preliminary investigation. For example, Table 1.3.2, *Wood Frame Walls 4" to Less Than 6" Thick*, contains 96 entries. Rather than study each table entry, the histogram shows that every wall assembly listed in that table has a fire resistance of less than 2 hours. If the building code required the wall to have 2-hour fire resistance, the designer, with a minimum of effort, is made aware of a problem that requires closer study.

Suppose the code had only required a wall of 1-hour fire resistance. The histogram shows far fewer complying elements (19) than noncomplying ones (77). If the existing assembly is not one of the 19 complying entries, there is a strong possibility the existing assembly is deficient. The histograms can also be used in the converse situation. If the existing assembly is not one of the smaller number of entries with a lower than required fire resistance, there is a strong possibility the existing assembly will be acceptable.

At some point, the *existing building* component or assembly must be located within the tables. Otherwise, the fire resistance must be determined through one of the other techniques presented in the guideline. Locating the building component in the Appendix tables not only guarantees the accuracy of the fire-resistance rating, but also provides a source of documentation for the ~~building~~ code official.

3.1 THE EXPERIMENTAL APPROACH. If a material or assembly found in a building is not listed in the Appendix tables, there are several other ways to evaluate fire performance. One approach is to conduct the appropriate fire test(s) and thereby determine the fire-related properties directly. There are a number of laboratories in the United States which routinely conduct the various fire tests.

The contract with any of these testing laboratories should require their observation of specimen preparation as well as the testing of the specimen. A complete description of where and how the specimen was obtained from the building, the transportation of the specimen, and its preparation for testing should be noted in detail so that the ~~building~~ code official can be satisfied that the fire test is representative of the actual use.

The test report should describe the fire test procedure and the response of the material or assembly. The laboratory usually submits a cover letter with the report to describe the provisions of the fire test that were satisfied by the material or assembly under investigation. A building official will generally require this cover letter but will also read the report to confirm that the material or assembly complies with the code requirements. Local code officials should be involved in all phases of the testing process.

The experimental approach can be costly and time consuming because specimens must be taken from the building and transported

to the testing laboratory. When a load-bearing assembly has continuous reinforcement, the test specimen must be removed from the building, transported and tested in one piece. However, when the fire performance cannot be determined by other means, there may be no alternative to a full-scale test.

A "nonstandard" small-scale test can be used in special cases. Sample sizes need only be 10–25 square feet (0.93–2.3 m^2), while full-scale tests require test samples of either 100 or 180 square feet (9.3 or 17 m^2) in size. This small-scale test is best suited for testing nonload-bearing assemblies against thermal transmission only.

2024 International Fire Code

[A] BUILDING CODE OFFICIAL. The ~~officer or other~~ designated authority charged with the administration and enforcement of the *International Building Code*~~, or a duly authorized representative~~.

2024 International Green Construction Code

Revise as follows:

107.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at the time of application. Such estimated valuations shall include the total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, and plumbing equipment and permanent systems. In the opinion of the ~~building~~ code official, where the valuation is underestimated, the permit shall be denied unless the applicant can show detailed estimates acceptable to the ~~building~~ code official. The ~~building~~ code official shall have the authority to adjust the final valuation for permit fees.

107.4 Work commencing before permit issuance. Any person who commences any work before obtaining the necessary permits shall be subject to a fee established by the ~~building~~ code official that shall be in addition to the required permit fees.

107.6 Refunds. The ~~building~~ code official is authorized to establish a refund policy.

2024 International Mechanical Code

Revise as follows:

[A] 106.1 Construction documents. *Construction documents*, engineering calculations, diagrams and other data shall be submitted in two or more sets, or in a digital format where allowed by the ~~building~~ code official, with each application for a permit. The code official shall require *construction documents*, computations and specifications to be prepared and designed by a *registered design professional* where required by state law. Where special conditions exist, the code official is authorized to require additional *construction documents* to be prepared by a *registered design professional*. *Construction documents* shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code. *Construction documents* for *buildings* more than two stories in height shall indicate where penetrations will be made for mechanical systems, and the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The code official shall have the authority to waive the submission of *construction documents*, calculations or other data if the nature of the work applied for is such that reviewing of *construction documents* is not necessary to determine compliance with this code.

[F] 512.12.1 Verification. Control systems for mechanical smoke control systems shall include provisions for verification. Verification shall include positive confirmation of actuation, testing, manual override and the presence of power downstream of all disconnects. A preprogrammed weekly test sequence shall report abnormal conditions audibly, visually and by printed report. The preprogrammed weekly test shall operate all devices, *equipment* and components used for smoke control.

Exception: Where verification of individual components tested through the preprogrammed weekly testing sequence will interfere with, and produce unwanted effects to, normal *building* operation, such individual components are permitted to be bypassed from the preprogrammed weekly testing, where *approved* by the ~~building~~ code official and in accordance with both of the following:

1. Where the operation of components is bypassed from the preprogrammed weekly test, presence of power downstream of all disconnects shall be verified weekly by a *listed* control unit.
2. Testing of all components bypassed from the preprogrammed weekly test shall be in accordance with Section 909.20.5 of the *International Fire Code*.

2024 International Plumbing Code

Revise as follows:

[A] 108.3 Permit valuations. The applicant for a permit shall provide an estimated value of the work for which the permit is being issued at time of application. Such estimated valuations shall include the total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. Where, in the opinion of the ~~building~~ code official, the valuation is underestimated, the permit shall be denied, unless the applicant can show detailed estimates acceptable to the ~~building~~ code official. The building official shall have the authority to adjust the final valuation for permit fees.

2024 International Property Maintenance Code

Add new definition as follows:

FIRE CODE OFFICIAL. The fire chief or other designated authority charged with the administration and enforcement of the *International Fire Code*, or a duly authorized representative.

[A] 105.2.2.5 Tests. Tests conducted to demonstrate equivalency in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict performance of the end use configuration. Tests shall be performed by a party acceptable to the code official.

Revise as follows:

[A] 105.2.2.5.1 Fire tests. Tests conducted to demonstrate equivalent fire safety in support of an alternative material, design or method of construction application shall be of a scale that is sufficient to predict fire safety performance of the end use configuration. Tests shall be performed by a party acceptable to the ~~building~~ code official.

[A] 105.2.2.6.2 Other reports. Reports not complying with Section 105.2.2.6.1 shall describe criteria, including but not limited to any referenced testing or analysis, used to determine compliance with code intent and justify code equivalence. The report shall be prepared by a qualified engineer, specialist, laboratory or specialty organization acceptable to the ~~building~~ code official. The code official is authorized to require design submittals to be prepared by, and bear the stamp of, a registered design professional.

2024 International Private Sewage Disposal Code

Revise as follows:

[A] 106.3 Permit valuations. The applicant for a *permit* shall provide an estimated value of the work for which the permit is being issued at time of application. Such estimated valuations shall include the total value of work, including materials and labor, for which the *permit* is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. Where, in the opinion of the ~~*building*~~ *code official*, the valuation is underestimated, the *permit* shall be denied, unless the applicant can show detailed estimates acceptable to the *building official*. The building official shall have the authority to adjust the final valuation for permit fees.

[A] 107.1 Construction documents. An application for a permit shall be accompanied by not less than two copies of *construction documents* drawn to scale, or in a digital format where allowed by the ~~building~~ code official, with sufficient clarity and detail dimensions showing the nature and character of the work to be performed. Specifications shall include pumps and controls, dose volume, elevation differences (vertical lift), pipe friction loss, pump performance curve, pump model and pump manufacturer. The *code official* is permitted to waive the requirements for filing *construction documents* where the work involved is of a minor nature. Where the quality of the

materials is essential for conformity to this code, specific information shall be given to establish such quality, and this code shall not be cited, or the term “legal” or its equivalent used as a substitute for specific information.

2024 International Wildland Urban Interface Code

Revise as follows:

[A] BUILDING CODE OFFICIAL. The ~~officer or other~~ designated authority charged with the administration and enforcement of the *International Building Code*~~, or a duly authorized representative~~.

Add new definition as follows:

FIRE CODE OFFICIAL. The fire chief or other designated authority charged with the administration and enforcement of the *International Fire Code*, or a duly authorized representative.

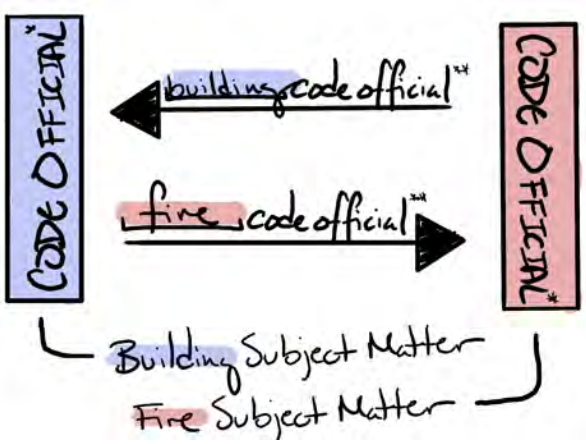
2024 International Zoning Code

Revise as follows:

1008.2.2 Development and construction signs. *Signs* temporarily erected during construction to inform the public of the developer, contractors, architects, engineers, the nature of the project or anticipated completion dates, shall be permitted in all zoning districts, subject to the following limitations:

1. Such *signs* on a single residential *lot* shall be limited to one *sign*, not greater than **[JURISDICTION TO INSERT NUMBER]**feet in height and**[JURISDICTION TO INSERT NUMBER]**square feet in area.
2. Such *signs* for a residential *subdivision* or multiple residential *lots* shall be limited to one *sign*, at each entrance to the *subdivision* or on one of the *lots* to be built on, and shall be not greater than **[JURISDICTION TO INSERT NUMBER]**feet in height and**[JURISDICTION TO INSERT NUMBER]**square feet in area.
3. Such *signs* for nonresidential *uses* in residential districts shall be limited to one *sign*, and shall be not greater than **[JURISDICTION TO INSERT NUMBER]**feet in height and**[JURISDICTION TO INSERT NUMBER]**square feet in area.
4. Such *signs* for commercial or *industrial* projects shall be limited to one *sign* per *street* front, not to exceed **[JURISDICTION TO INSERT NUMBER]**feet in height and**[JURISDICTION TO INSERT NUMBER]**square feet for projects on parcels 5 acres (20 235 m^2) or less in size, and not to exceed**[JURISDICTION TO INSERT NUMBER]**feet in height and**[JURISDICTION TO INSERT NUMBER]**square feet for projects on parcels larger than 5 acres (20 235 m^2).
5. Development and construction *signs* shall not be displayed until after the issuance of construction permits by the building code official, and must be removed not later than 24 hours following issuance of an occupancy permit for any or all portions of the project.

Reason: To harmonize terminology across all model codes, this code change modifies "building official" and "fire code official" to "code official" within their respective codes and revises "building official" to "building code official" where necessary to cross reference from one code, such as the IFC and IWUIC.



* Within a subject matter, the official having jurisdiction would be referred to as "code official"

** Outside a subject matter, the official having jurisdiction would be referred to as "[subject matter] code official", indicating which subject matter to refer to

Various editorial changes and additions are also included. This change aligns with language in the IEBC, IFGC, IMC, IPC, IPSDC, IPMC, ISPSC, IWUIC and IZC, will make code writing simpler and easier to coordinate (especially in administrative provisions), and a similar code change is being presented to the IRC.

The purpose of this code change is to replace every instance of "building official" with "code official" in the IBC and every instance of "building official" in the IFC and IWUIC with "building code official". Additionally every instance of "fire code official" in the IFC is intended to be changed to "code official". In the interest of reciting hundreds of instances of the occurrence across the IBC and IFC/IWUIC the proponent respectfully asks staff to make these changes administratively.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This code change a terminology change that will have no effect on construction costs.

Staff Analysis: The proposed definition of **FIRE CODE OFFICIAL** is from the IFC and is scoped to the IFC committee. The same definition is being proposed to be added to the other codes as shown.

ADM58-25

ADM59-25

IBC: APPENDIX A, SECTION A101, [A] A101.1, [A] A101.2, [A] A101.3, [A] A101.4

Proponents: Kota Wharton, representing City of Grove City (kwharton@grovecityohio.gov)

2024 International Building Code

APPENDIX A
EMPLOYEE QUALIFICATIONS

SECTION A101
BUILDING OFFICIAL QUALIFICATIONS

[A] A101.1 Building official. The *building official* shall have not fewer than 10 years' experience or equivalent as an architect, engineer, inspector, contractor or superintendent of construction, or any combination of these, 5 years of which shall have been supervisory experience. The *building official* should be certified as a *building official* through a recognized certification program. The *building official* shall be appointed or hired by the applicable governing authority.

[A] A101.2 Chief inspector. The *building official* can designate supervisors to administer the provisions of this code and the *International Mechanical Code*, *International Plumbing Code* and International Fuel Gas Code. Each supervisor shall have not fewer than 10 years' experience or equivalent as an architect, engineer, inspector, contractor or superintendent of construction, or any combination of these, 5 years of which shall have been in a supervisory capacity. They shall be certified through a recognized certification program for the appropriate trade.

[A] A101.3 Inspector and plans examiner. The *building official* shall appoint or hire such number of officers, inspectors, assistants and other employees as shall be authorized by the *jurisdiction*. A *person* who has fewer than 5 years of experience as a contractor, engineer, architect, or as a superintendent, foreman or competent mechanic in charge of construction shall not be appointed or hired as inspector of construction or plans examiner. The inspector or plans examiner shall be certified through a recognized certification program for the appropriate trade.

Delete without substitution:

~~**[A] A101.4 Termination of employment.** Employees in the position of *building official*, chief inspector or inspector shall not be removed from office except for cause after full opportunity has been given to be heard on specific charges before such applicable governing authority.~~

Reason: Termination provisions exceeds the appendix's stated purpose of providing optional qualification criteria for code officials. By addressing employment termination procedures, this section inappropriately delves into employment law and due process, matters that are better suited to be regulated by existing state and local labor laws.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This code change is editorial in nature and removes potential conflicts.

ADM60-25

IBC: APPENDIX A, SECTION A101, [A] A101.1, [A] A101.2, [A] A101.3, [A] A101.4, SECTION A102, [A] A102.1, TABLE A102.1

Proponents: Jeff Grove, Chair, representing BCAC (bcac@iccsafe.org)

2024 International Building Code

Delete without substitution:

~~APPENDIX A~~
~~EMPLOYEE QUALIFICATIONS~~

~~SECTION A101~~
~~BUILDING OFFICIAL QUALIFICATIONS~~

~~**[A] A101.1 Building official.** The *building official* shall have not fewer than 10 years' experience or equivalent as an architect, engineer, inspector, contractor or superintendent of construction, or any combination of these, 5 years of which shall have been supervisory experience. The *building official* should be certified as a *building official* through a recognized certification program. The *building official* shall be appointed or hired by the applicable governing authority.~~

~~**[A] A101.2 Chief inspector.** The *building official* can designate supervisors to administer the provisions of this code and the *International Mechanical Code*, *International Plumbing Code* and International Fuel Gas Code. Each supervisor shall have not fewer than 10 years' experience or equivalent as an architect, engineer, inspector, contractor or superintendent of construction, or any combination of these, 5 years of which shall have been in a supervisory capacity. They shall be certified through a recognized certification program for the appropriate trade.~~

~~**[A] A101.3 Inspector and plans examiner.** The *building official* shall appoint or hire such number of officers, inspectors, assistants and other employees as shall be authorized by the *jurisdiction*. A *person* who has fewer than 5 years of experience as a contractor, engineer, architect, or as a superintendent, foreman or competent mechanic in charge of construction shall not be appointed or hired as inspector of construction or plans examiner. The inspector or plans examiner shall be certified through a recognized certification program for the appropriate trade.~~

~~**[A] A101.4 Termination of employment.** Employees in the position of *building official*, chief inspector or inspector shall not be removed from office except for cause after full opportunity has been given to be heard on specific charges before such applicable governing authority.~~

~~SECTION A102~~
~~REFERENCED STANDARDS~~

~~**[A] A102.1 General.** See Table A102.1 for standards that are referenced in various sections of this appendix. Standards are listed by the standard identification with the effective date, standard title, and the section or sections of this appendix that reference the standard.~~

~~**TABLE A102.1 REFERENCED STANDARDS**~~

~~STANDARD ACRONYM~~	~~STANDARD NAME~~	~~SECTIONS HEREIN REFERENCED~~
~~IBC—24~~	~~*International Building Code*~~	~~A101.2~~
~~IMC—24~~	~~*International Mechanical Code*~~	~~A101.2~~
~~IPC—24~~	~~*International Plumbing Code*~~	~~A101.2~~
~~IFGC—24~~	~~*International Fuel Gas Code*~~	~~A101.2~~

Reason: This appendix is only in the IBC. Employee qualification is a jurisdictional decision. This is not something that should be in the code, even as guidance material. Definitely not as an adoptable appendix.

This proposal is submitted by the ICC Building Code Action Committee (BCAC).
BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2023 and 2024 the BCAC has held several virtual meetings open to any interested party. In addition, there were numerous virtual Working Group meetings for the current code development cycle, which included members of the committee as well as interested parties. Related documents and reports are posted on the BCAC website at BCAC webpage.

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact:

This appendix does not include any construction requirements.

ADM60-25

ADM61-25

AA — Aluminum Association

Standard Reference Number	Title	Referenced in Code(s):							
ADM-~~2020~~ 2026, Part I	~~Aluminum Design~~ ~~Manual~~ Specification for Aluminum Structures	IBC							
~~ASM 35-00~~ ADM—2026, Part VIII	~~Aluminum Sheet Metal Work in Building Construction (Fourth Edition)~~ Guidelines for Aluminum Sheet Metal Work in Building Construction	IBC							

AAMA — American Architectural Manufacturers Association

Standard Reference Number	Title	Referenced in Code(s):							
FGIA AAMA 2502-~~19~~ 24	Comparative Analysis Procedure for Window and Door Products	IBC							

ABTG — Applied Building Technology Group LLC

Standard Reference Number	Title	Referenced in Code(s):							
ANSI/ABTG FS 100—~~2012 (R2018)~~ (2025)	Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulation Sheathing Used in Exterior Wall Covering Assemblies	IBC	IRC						

ACCA — Air Conditioning Contractors of America

Standard Reference Number	Title	Referenced in Code(s):							
ANSI/ACCA 1 Manual D-~~2023~~ 2025	Residential Duct Systems	IECC	IMC	IRC					
ANSI/ACCA 2 Manual J-~~2016~~ 2026	Residential Load Calculation	IECC	IRC						
ANSI/ACCA 3 Manual S-2023 Addendum A & B-2024	Residential Equipment Selection	IECC	IRC						

ANSI/ACCA 5 QI-~~2010~~ 2026	HVAC Quality Installation Specification	IECC	IRC						

ACI American Concrete Institute

Standard Reference Number	Title	Referenced in Code(s):							
117—~~10~~ 26	Specification for Tolerances for Concrete Construction and Materials	IBC							
216.1—~~14~~ 26	~~for~~ Determining Fire Resistance of Concrete and Masonry Construction Assemblies--Code Requirements and Commentary	IBC							
318—~~19~~ 25	Building Code Requirements for Structural Concrete	IBC	IRC	ISPSC					
332—~~20~~ 26	Residential Concrete--Code Requirements ~~for Structural~~ and Commentary	IRC							
440.11—22	Structural Concrete Buildings Reinforced Internally with Fiber Reinforced Polymer (FRP) Bars – Code Requirements and Commentary	IBC							
550.5—18	~~for the~~ Design of Precast Concrete Diaphragms for Earthquake Motions--Code Requirements and Commentary	IBC							
562—~~21~~ 25	Assessment, Repair, and Rehabilitation of Existing Concrete Structures—Code Requirements and Commentary	IEBC							

AHRI	Air-Conditioning, Heating, & Refrigeration Institute								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
210/240- ~~2023 (2020):~~ 2024 (I-P)	Performance Rating of Unitary Air-conditioning and Air-source Heat Pump Equipment	ICCPC	IECC						
310/380-~~2017~~ (SI/I-P) ~~(CSA-C744-17)~~ (CSA C744-25)	Packaged Terminal Air Conditioners and Heat Pumps	IECC							
340/360-2022 (I-P)	Performance Rating of Commercial and Industrial Unitary Air-conditioning and Heat Pump Equipment	ICCPC	IECC						
365-2024 (SI/I-P) ~~(I-P) 2009:~~	Commercial and Industrial Unitary Air-conditioning Condensing Units	ICCPC	IECC						
365 (I-P)-2009	Commercial and Industrial Unitary Air-conditioning Condensing Units	IECC							
390 ~~(I-P)-2003~~ 2021 (I-P)	Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps	IECC							
400-2025 (I-P) ~~(I-P)-2015~~	Performance Rating of Liquid to Liquid Heat Exchangers	IECC	ISPSC						
440-2019 (R2024) (SI/I-P) ~~(IP)-2019~~	Performance Rating of Fan Coils	IECC							
460-2005 (R2024) (SI/I-P)	Performance Rating of Remote Mechanical-draft Air- cooled Refrigerant Condensers	IECC							
550/590-2023 (I-P) ~~(I-P)-2022:~~	Performance Rating of Water-chilling and Heat Pump Water-heating Packages Using the Vapor Compression Cycle	ICCPC							
560-~~2000:~~ 2023 (I-P)	Absorption Water Chilling and Water Heating Packages	ICCPC	IECC						
700-~~2019~~ 2024 (SI)	Specifications for Refrigerants	IMC							

910 ~~(I-P)~~-2014 (R2023) (I-P)	Performance Rating of Indoor Pool Dehumidifiers	IECC							
920-2025 (SI/I-P) ~~(I-P)--2020:~~	Performance Rating ~~of DX-Dedicated Outdoor Air System Units~~ of Direct Expansion-Dedicated Outdoor Air System Units	ICCPC	IECC						
1160-2026 (SI/I-P) ~~(I-P)-2022~~	Performance Rating of Heat Pump Pool Heaters ~~(with Addendum 1)~~	ISPSC							
1200-2023 (I-P) ~~(I-P)-2022~~	Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets	IECC							
1230-~~2021~~ 2023 (I-P)	Performance Rating of Variable Refrigerant Flow (VRF) Multi-split Air-Conditioning and Heat Pump Equipment	IECC							
1250-2025 (I-P) ~~(I-P)-202020~~	Standard for Performance Rating in Walk-in Coolers and Freezers	IECC							
1360-2022 (I-P) ~~(I-P)-2017~~	Performance Rating of Computer and Data Processing Room Air Conditioners	IECC							
1380-2019 (I-P)	Demand Response through Variable Capacity HVAC Systems in Residential and Small Commercial Applications	ICCPC	IECC						
AHRI 1380-2019	Demand Response through Variable Capacity HVAC Systems in Residential and Small Commercial Applications	IRC							
840-2021 (I-P) ~~(I-P)-1998~~	Performance Rating of Unit Ventilators	IECC							

AISC	American Institute of Steel								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/AISC 370-~~21~~ 25	Specification for Structural Stainless Steel Buildings	IBC							

ALI	Automotive Lift Institute, Inc.								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ALI ALCTV-~~2017~~ 2026	Standard for Automotive Lifts —Safety Requirements for Construction, Testing and Validation (ANSI)	IBC	IRC						

AMCA	Air Movement and Control Association International								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
500~~D-18:~~ -D-26	Laboratory Methods for Testing Dampers for Rating	ICCPC	IECC						
ANSI/AMCA Standard 210-~~23~~ 25/ANSI/ASHRAE 51-~~23~~ 25	Laboratory Methods of Testing Fans for Aerodynamic Performance Rating	IECC	IMC	IRC					
ANSI/AMCA 230-~~22~~ 23 (with errata)	Laboratory Methods of Testing Air Circulating Fans for Rating and Certification	IECC	IMC						
ANSI/AMCA 540-23	Test Method for Louvers Impacted by Wind Borne Debris	IBC							

ANSI	American National Standards Institute								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
A108/A118/A136.1-~~2019~~ 2024	Specifications for Installation of Ceramic Tile: Material and Installation Standards	ISPSC							

A108.1A-~~17~~ 23	Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar	IBC	IRC						
A108.1B-~~17~~ 23	Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry- set, Modified Dry-Set or ~~Latex-Portland~~ Improved Modified Dry-Set Cement Mortar	IBC	IRC						
A108.4-~~19~~ 23	Installation of Ceramic Tile with Organic Adhesives or Water-cleanable Tile-setting Epoxy Adhesive	IBC	IRC						
A108.5-~~21~~ 23	Setting of Ceramic Tile with Dry-Set Cement Mortar, Modified Dry-Set Cement Mortar, EGP (Exterior Glue Plywood) Modified Dry-Set Cement Mortar, or Improved Modified Dry-Set Cement Mortar	IBC	IRC						
A108.6-~~99 (R2019)~~ 23	Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy	IBC	IRC						
A108.8-99 (Reaffirmed ~~2019~~ 2024)	Installation of Ceramic Tile with Chemical-resistant Furan Resin Mortar and Grout	IBC							
~~A108.9-99 (Reaffirmed 2019)~~ 23	Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout	IBC							
A108.10-17(Reaffirmed 2022)	Installation of Grout in Tilework	IBC							
A108.11-~~18~~ 23	Interior Installation of Cementitious Backer Units	IRC							
A118.1-~~19~~ 23	American National Standard Specifications for Dry-Set Cement Mortar	IBC	IRC						

A118.4 ~~19~~ 23	American National Standard Specifications for Modified Dry-set Cement Mortar	IBC	IRC						
A118.5-99 (Reaffirmed 2021)	American National Standard Specifications for Chemical Resistant Furan Mortars and Grouts for Tile Installation	IBC							
A118.6-19	American National Standard Specifications for Standard Cement Grouts for Tile Installation	IBC							
A118.8-99(Reaffirmed 2021)	American National Standard Specifications for Modified Epoxy Emulsion Mortar/Grout	IBC							
A118.10 ~~14 (2019)~~ 23	Standard Specification for Load-Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation	IPC	IRC						

ANSI — American National Standards Institute

Standard Reference Number	Title	Referenced in Code(s):							
CSA ~~ANSI~~ Z21.8-1994 ~~(R2017)~~ (R2022)	Installation of Domestic Gas Conversion Burners	IFGC	IMC	IRC					
CSA ~~ANSI~~ Z21.11.2-2019:	Gas-fired room heaters, volume II, unvented room heaters	IFGC	IRC						
CSA ~~ANSI~~ Z21.13: ~~2017/CSA 4.9-17~~ 22/CSA 4.9:22	Gas-Fired Low-Pressure Steam and Hot Water Boilers	IFGC	IRC						
CSA ~~ANSI~~ Z21.22-2015 ~~(R2020)/CSA 4.4-15 (R2020)~~ (R2025)/CSA 4.4-2015(R2025)	Relief Valves for Hot Water Supply Systems	IPC	IRC						
CSA ~~ANSI~~ Z21.24: ~~2015 (R2020)/CSA 6.10-15 (R2020)~~ 22/CSA 6.10:22	Connectors for Gas Appliances	IFGC	IRC						

CSA ~~ANSI~~ Z21.40.1-1996 ~~(R2017)/CGA 2.91-M96 (R2017)~~ (R2022)/CGA 2.91-M96 (R2022)	Gas-Fired, Heat-Activated Air-Conditioning and Heat Pump Appliances	IFGC	IRC						
CSA ~~ANSI~~ Z21.40.2-1996 ~~(R2017)/CGA 2.92-M96 (R2019)~~ (R2022)/CGA 2.92-M96 (R2022)	Gas-Fired Work Activated Air Conditioning and Heat Pump Appliances (Internal Combustion)	IFGC	IRC						
CSA ~~ANSI~~ Z21.41:~~-(R2019)/CSA 6.9-(R2019)~~ 23/CSA 6.9:23	Quick-Disconnect Devices for Use with Gas Fuel Appliances	IFGC	IRC						
CSA ~~ANSI~~ Z21.47:~~-2016/CSA 2.3-2021~~ 21/CSA 2.3:21	Gas-Fired Central Furnaces	IECC	IFGC	IRC					
CSA ~~ANSI~~ Z21.50:~~-2019/CSA 2.22-19~~ (R2024)/CSA 2.22.19 (R2024)	Vented Decorative Gas Fireplaces	IECC	IFGC	IRC					
CSA ~~ANSI~~ Z21.60-2017(R2021)/CSA 2.26-~~17~~ 2017 (R2021)	Decorative Gas Appliances for Installation in Solid-Fuel-Burning Fireplaces	IRC							
CSA ~~ANSI~~ Z21.75-2016(R2020)/CSA 6.27-2016 ~~(R2020)~~ (R2021)	Connectors for Outdoor Gas Appliances and Manufactured Homes	IFGC	IRC						
CSA ~~ANSI~~ Z21.93-2017(R2022)/CSA 6.30-17 (R2022)	Excess Flow Valves for Natural Gas and Propane Gas with Pressures up to 5 Psig	IFGC	IRC						
CSA ~~ANSI~~ Z21.97-2017(R2022)/CSA 2.41- 2017 (R2022)	Outdoor Decorative Appliances	IFGC	IRC						
CSA ~~ANSI~~ Z83.4-2017(R2022) /CSA 3.7-~~17~~ 2017 (R2022)	Non-Recirculating Direct Gas- Fired Heating and Forced Ventilation Appliances for Commercial and Industrial Application	IFGC							
CSA ~~ANSI~~ Z83.8-2016 (R2021)/CSA 2.6-16 (R2021)	Gas Unit Heater, Gas Packaged Heaters, Gas Utility Heaters and Gas-Fired Duct Furnaces	IECC	IFGC	IRC					

CSA ANSI Z83.11-2016(R2021)/CSA 1.8-16(R2021)	Gas Food Service Equipment	IFGC							
CSA ~~ANSI~~ Z83.18-17(R2021)	Recirculating Direct Gas-Fired Heating and Forced Ventilation Appliances for Commercial and Industrial Applications	IFGC							
CSA ~~ANSI~~ Z83.20-2016 (R2021) /CSA 2.34-~~16~~ 2016 (R2021)	Gas-Fired Tubular and Low-Intensity Infrared Heaters	IRC							
CSA~~/ANSI~~ Z21.80: ~~-19/CSA 6.22-19~~ 19(R2024)/CSA 6.22:19 (R2024)	Line Pressure Regulators	IFGC	IRC						
CSA/~~ANSI~~ Z21.88-19 (R2024) /CSA 2.33-19 (R2024)	Vented Gas Fireplace Heaters	IECC	IFGC	IRC					
CSA/~~ANSI~~ Z21.90-19 (R2024)/CSA 6.24-19 (R2024)	Gas Convenience Outlets and Optional Enclosures	IFGC	IRC						
CSA/~~ANSI~~ Z21.91:~~-~~20	Ventless Firebox Enclosures for Gas-Fired Unvented Decorative Room Heaters	IFGC	IRC						
ES1.7-~~2021~~ 2026	Event Safety Requirements - Weather Preparedness	IBC							

APA

APA - Engineered Wood Association

Standard Reference Number	Title	Referenced in Code(s):							
ANSI 117-~~2020~~ 2025	Standard Specification for Structural Glued Laminated Timber of Softwood Species	IBC							
ANSI/APA PRG 320-~~2019~~ 2025	Standard for Performance- rated Cross-laminated Timber	IBC	IRC						
ANSI/APA PRP 210-~~2019~~ 2024	Standard for Performance-Rated Engineered Wood Siding	IBC	IRC						
APA E30-~~19~~ 26	Engineered Wood Construction Guide	IRC							

APA PDS-~~20~~ 26	Panel Design Specification	IBC							
APA R540-~~19~~ 26	Builder Tips: Proper Storage and Handling of Glulam Beams	IBC							
APA S475-~~20~~ 26	Glued Laminated Beam Design Tables	IBC							
APA S560-~~20~~ 26	Technical Note: Field Notching and Drilling of Glued Laminated Timber Beams	IBC							
API	**American Petroleum Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
~~Publ~~ RP 2201-6th Edition ~~(2023)~~ 2025	~~Procedures for Welding or Hot Tapping on Equipment in Service~~ Safe Hot Tapping Practices in the Petroleum and Petrochemical Industries	IFC							
RP 2001- Addendum 1 to 10th Edition published 10/24/2024 ~~(2019)~~	Fire Protection in Refineries	IFC							
RP 2003-9th Edition (2023)	Protection Against Ignitions Arising out of Static, Lightning and Stray Currents	IFC							
RP 2009-8th Edition (2022)	Safe Welding and Cutting Practices in Refineries, Gas Plants and Petrochemical Plants	IFC							
RP 2028 4th Edition-~~(2024)~~ (2026)	Flame Arrestors in Piping Systems	IFC							
Std 653 ~~Addendum 3-5th Edition (2022)~~ 5th edition.	Tank Inspection, Repair, Alteration and Reconstruction including Addendum 1, April 2018, Addendum 2, May 2020 and Addendum 3, November 2023	IFC							

Std 2000-8th Edition ~~(2023)~~ 2026	Venting Atmosphere and Low-Pressure Storage Tanks: ~~Nonrefrigerated and Refrigerated~~	IFC							
Std 2350-5th Edition including Errata 1 (issued April 2021)	Overfill Protection for Storage Tanks in Petroleum Facilities	IFC							
ASABE	**American Society of Agricultural and Biological Engineers**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
EP 486.3 SEP2017 ~~(R2021)~~ R2026	Shallow-post and Pier Foundation Design	IBC							
EP ~~559.1 AUG2010 (R2019)~~ 559.2 FEB2023	Design Requirements and ~~Bending~~ Engineering Properties for Mechanically Laminated Wood (Mechlam) Assemblies	IBC							
ASCE/SEI	**American Society of Civil Engineers Structural Engineering Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ASCE/SEI 7~~-20~~22 with Supplement No.1, No.2, No.3	Minimum Design Loads for ~~and Associated Criteria for~~ Buildings and Other Structures with Supplement No.1, No.2, No.3	IBC	IEBC	IRC					
19-~~22~~ 16	Structural Applications of Steel Cables for Buildings	IBC							
24-~~14~~ 24	Flood Resistant Design and Construction	IBC	IFC	IRC	ISPSC				
32-01R25	Design and Construction of Frost-Protected Shallow Foundations	IBC	IRC						
41-~~2017~~ 23	Seismic Evaluation and Retrofit of Existing Buildings	IEBC							
55-~~22~~ 16	Tensile Membrane Structures	IBC							

ASHRAE	ASHRAE								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
15- ~~2022~~ 2024	Safety Standard for Refrigeration Systems	IMC							
34- ~~2022~~ 2024	Designation and Safety Classification of Refrigerants	IMC							
55-~~2020:~~ 2023	Thermal Environmental Conditions for Human Occupancy	ICCPC	IECC						
62.1- ~~2022~~ 2025	Ventilation ~~for~~ and Acceptable Indoor Air Quality	IEBC	IECC	IMC	ISPSC				
90.1-~~2022~~ 2025	Energy Standard for Sites and Buildings Except Low-rise Residential Buildings	IBC	IECC						
90.4-~~2022~~ 2025	Energy Standard for Data Centers	IECC							
170-~~2021~~ 2024	Ventilation of Health Care Facilities	IBC	IECC	IFC	IMC				
ANSI/ASHRAE/ACCA ~~183-2007 (RA 2020)~~ 183-2024	Peak Cooling and Heating Load Calculations in Buildings Except Low-rise Residential Buildings	IECC	IMC						
ASHRAE-~~2020:~~ 2024	HVAC Systems and Equipment Handbook ~~2020~~ 2024	ICCPC	IECC						
ASHRAE-~~2021~~ 2024	ASHRAE Handbook of Fundamentals	IECC	IMC	IRC					
ASME	**American Society of Mechanical Engineers**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
A13.1-~~2020~~ 2023	Scheme for the Identification of Piping Systems	IBC	IFC	IFGC					

A17.1-~~2022~~ 2025/CSA B44-~~22~~ 25	Safety Code for Elevators and Escalators	IBC	IEBC	IECC	IFC	IPMC	IRC		
A17.7-2007 (R2022)/CSA B44-07~~(R2019)~~ (R2022)	Performance-based Safety Code for Elevators and Escalators	IBC							
A18.1-~~2023~~ 2026	Safety Standard for Platform Lifts and Stairway Chair Lifts	IBC	IEBC	IRC					
A90.1-~~2020~~ 2023	Safety Standard for Belt Manlifts	IBC							
A112.1.3- ~~2000 (R2024)~~ 2025	Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances	IPC	IRC						
A112.3.1-2007 ~~(R2017)~~ (R2022)	Stainless Steel Drainage Systems for Sanitary, DWV, Storm and Vacuum Applications Above and Below Ground	IPC	IRC						
A112.3.4-~~2022/CSA B45.9-2022~~ 2018(R2023)/CSA B45.9-2018(R2023)	Macerating Toilet Systems and ~~Related Components~~ Waste Pumping Systems for Plumbing Fixtures	IPC	IRC						
A112.4.1-~~2024~~ 2018(R2024)	Water Heater Relief Valve Drain Tubes	IMC	IPC	IRC					
A112.4.2-~~2021/CSA B45.16-2021~~ 2026/CSA B45.16-2026	Water Closet Personal Hygiene Devices	IPC	IRC						
A112.4.3-~~-2024~~ 1999(R2024)	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System	IPC	IRC						
A112.4.4-~~2022~~ 2025	Plastic Push-Fit Drain, Waste, and Vent (DWV) Fittings	IPC	IRC						
A112.6.3-~~2022~~ 2025	Floor and Trench Drains	IPC	IRC						
A112.6.4-~~2003 (R2020)~~ 2025	Roof, Deck, and Balcony Drains	IPC							
A112.6.7-~~2010 (R2024)~~ 2025	Sanitary Floor Sinks	IPC							
A112.6.9-~~2005 (R2024)~~ 2025	Siphonic Roof Drains	IPC							

A112.14.3/CSA B481.1 ~~2023~~ 2025	Hydromechanical Grease Interceptors	IPC							
A112.14.4/CSA B125.4-~~2001 (2022)~~ 2025	Grease Removal Devices	IPC							
A112.18.1-~~2023/CSA B125.1-2023~~ 2024/CSA B125.1-2024	Plumbing Supply Fittings	IPC	IRC						
A112.18.2-~~2023/CSA B125.2-2023~~ 2025/CSA B125.2-2025	Plumbing Waste Fittings	IPC	IRC						
A112.18.6-~~2021/CSA B125.6-21~~ 2025/CSA B125.6-25	Flexible Water Connectors	IPC	IRC						
A112.18.9-2011 ~~(2017)~~ 2022	Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures	IPC							
A112.19.1-~~2022/CSA B45.2-2022~~ 2024/CSA B45.2-2024	Enameled Cast-iron and Enameled Steel Plumbing Fixtures	IPC	IRC						
A112.19.2-~~2021/CSA B45.1-2021~~ 2024/CSA B45.1-2024	Ceramic Plumbing Fixtures	IPC	IRC						
A112.19.3-~~2021/CSA B45.4-2021~~ 2022/CSA B45.4-2022	Stainless Steel Plumbing Fixtures	IPC	IRC						
A112.19.7-~~2023/CSA B45.10-2023~~ 2020 (R2025)/CSA B45.10-2020(R2025)	Hydromassage Bathtub Systems	IPC	IRC						
A112.19.12-~~2024~~ 2014(R2024)	Wall Mounted and Pedestal Mounted, Adjustable, Elevating, Tilting and Pivoting Lavatory, Sink and Shampoo Bowl Carrier Systems and Drain Waste Systems	IPC	IRC						
A112.19.14-2013 ~~(R2023)~~ (R2025)	Six-Liter Water Closets Equipped with Dual Flushing Device	IPC	IRC						
A112.19.19-~~2021~~ 2026	Vitreous China Nonwater Urinals	IPC							
A112.21.3-~~2022~~ 1985(R2022)	Hydrants for Utility and Maintenance Use	IPC							

A112.36.2M-~~1991 (R2022)~~ 2022	Cleanouts	IPC	IRC						
ASME A112.3.4-2022/CSA B45.9-2022	Macerating Toilet Systems and Waste Pumping Systems for Plumbing Fixtures	IPC							
ASME A112.4.2-2021/CSA B45.16-2021	Personal Hygiene Devices for Water Closets	IRC							
ASME A112.19.14-2013 ~~(R2018):~~ (R2025)	Six-Liter Water Closets Equipped with a Dual Flushing Device	IPC	IRC						
ASME B31.3-~~2020~~ 2026	Process Piping	IBC	IECC	IFC					
ASSE 1002-~~2020/ASME A112.1002-2020/CSA B125.12-20~~ 2025/ASME A112.1002-2025/CSA B125.12-2025	Anti-Siphon Fill Valves for Water Closet Tanks	IPC	IRC						
ASSE 1016-~~2021/ASME A112.1016-2021/CSA B125.16-2021~~ 2026/ASME A112-1016/CSA B125.16-2026(R2021)	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	IRC							
ASSE 1037-~~2015/ASME A112.1037-2015/CSA B125.37-2015~~ 2025/ASME A112.1037-2025/CSA B125.37-2025	Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures	IPC	IRC						
ASSE 1070-~~2020/ASME A112.1070-2020/CSA B125.1070-20~~ 2025/ASME A112.1070-2025/CSA B125.1070-25	Performance Requirements for Water Temperature Limiting Devices	IRC							
B1.13M- ~~2020~~ 2005 (S2025)	Metric Screw Threads: M Profile	IMC							

B1.20.1- ~~2023~~ 2025	Pipe Threads, General Purpose (Inch)	IFGC	IMC	IPC					
B1.20.3- ~~2023~~ 1976(R2023)	Dryseal Pipe Threads, Inch	IMC							
B16.1-~~2020~~ 2025	Gray Iron Pipe Flanges and Flanged Fittings, Class 25, 125, And 250	IFGC							
B16.3-~~2016~~ 2026	Malleable Iron Threaded Fittings, Classes 150 & 300	IMC	IRC						
B16.4-~~2016~~ 2026	Gray Iron Threaded Fittings Classes 125 and 250	IPC	IRC						
B16.5-~~2020~~ 2025	Pipe Flanges and Flanged Fittings: NPS 1/2 through NFPS 24, Metric/Inch Standard	IFGC	IMC						
B16.9-~~2023~~ 2024	Factory-made Wrought Steel Buttwelding Fittings	IMC	IPC	IRC					
B16.9- 2023	Factory-made Wrought Steel Buttwelding Fittings	IMC							
B16.9-2023	Factory-Made Wrought Steel Buttwelding Fittings	IPC							
B16.11-~~2021~~ 2026	Forged Fittings, Socket-welding and Threaded	IMC	IPC	IRC					
B16.12-~~2024~~ 2025	Cast Iron Threaded Drainage Fittings	IPC	IRC						
B16.15-2023	Cast Alloy Threaded Fittings: Classes 125 and 250	IRC	ISPSC						
B16.15- ~~2023~~ 2024	Cast Alloy Threaded Fittings: Classes 125 and 250	IMC	IPC	IRC	ISPSC				
B16.15-2023	Cast Alloy Threaded Fittings: Classes 125 and 250	IPC							
B16.18-~~2023~~ 2026	Cast Copper Alloy Solder Joint Pressure Fittings	IBC	IFC	IMC	IPC	IRC			

B16.20-~~2017~~ 2023	Metallic Gaskets for Pipe Flanges: Ring-Joint, Spiral- Wound and Jacketed	IFGC							
B16.21-~~2021~~ 2026	Nonmetallic Flat Gaskets for Pipe Flanges	IFGC							
B16.22-~~2023~~ 2026	Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings	IBC	IFC	IMC	IPC	IRC			
B16.23-~~2016~~ 2026	Cast Copper Alloy Solder Joint Drainage Fittings DWV	IPC	IRC						
B16.24-~~2021~~ 2026	Cast Copper Alloy Pipe Flanges, Flanged Fittings, And Valves: Classes 150, 300, 600, 900, 1500, and 2500	IFGC	IMC						
B16.26-2023	Cast Copper Alloy Fittings for Flared Copper Tubes	IRC							
B16.26- ~~2023~~ 2024	Cast Copper Alloy Fittings for Flared Copper Tubes	IMC	IPC	IRC					
B16.33-20~~22~~ 23	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes $^1/_2$ through 2)	IFGC	IRC						
B16.34-~~2023~~ 2020 (R2025)	Valves—Flanged, Threaded and Welding End	IPC	IRC						
B16.34-2023	Valves—Flanged, Threaded and Welding End	IPC							
B16.42-~~2021~~ 2026	Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300	IFGC	IRC						
B16.44-~~2022~~ 2023	Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems up to 5 psi	IFGC	IRC						
B16.47-~~2020~~ 2025	Large Diameter Steel Flanges: NPS 26 through NPS 60, Metric/Inch Standard	IFGC							

B16.50-~~2018~~ 2026	Wrought Copper and Copper Alloy Braze-joint Pressure Fittings	IMC							
B16.51-~~2018~~ 2026	Copper and Copper Alloy Press-connect Pressure Fittings	IMC	IPC	IRC					
B20.1-~~2024~~ 2027	Safety Standard for Conveyors and Related Equipment	IBC							
B31.1-~~2022~~ 2024	Power Piping	IFC							
B31.9-~~2023~~ 2025	Building Services Piping	IFC	IMC						
B31.12-~~2024~~ 2023	Hydrogen Piping and Pipelines	IFGC							
B36.10M-2018	Welded and Seamless Wrought Steel Pipe	IFGC							
B36.10M-~~2023~~ 2022	Welded and Seamless Wrought Steel Pipe	IFGC	IRC						
BPVC-~~2023~~ 2025	ASME Boiler and Pressure Vessel Code (Sections I, II, IV, V, VI and VIII)	IECC	IFC	IFGC	IMC	IRC			
A112.6.1M - ~~2022~~ 2025	Floor Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use	IPC							
ASSE	**ASSE International**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
1001-~~2017~~ 2021	Performance Requirements for Atmospheric Type Vacuum Breakers	IPC	IRC						
1003-~~2020~~ 23/CSA B356:23	~~Performance Requirements for~~ Water-pressure-reducing Valves for ~~Domestic~~ potable Water Distribution Systems	IRC							

1004-~~2017~~ 2024	Performance Requirements for Backflow Prevention Requirements for Commercial Dishwashing Machines	IPC							
1010-~~2004~~ 2021	Performance Requirements for Water Hammer Arresters	IPC	IRC						
1011-~~2017~~ 2023	Performance Requirements for Hose Connection Vacuum Breakers	IPC	IRC						
1012-~~2009~~ 2021	Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent	IPC	IRC						
1017-~~2009~~ 2023	Performance Requirements for Temperature Actuated Mixing Values for Hot Water Distribution Systems	IMC	IPC	IRC					
1018-~~2001 (R2021)~~2023	Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied	IPC							
1019-~~2011~~ 2023	Performance Requirements for Wall Hydrant with Backflow Protection and Freeze Resistance	IRC							
1022-~~2021~~ 2023	Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment (for carbonated and non-carbonated)	IPC							
1024-~~2021~~ 2023	Performance Requirements for Dual Check Backflow Preventers	IRC							
1024-2021	Performance Requirements for Dual Check Backflow Preventers	IPC							
1044-~~2015 (R2020)~~ 2023	Performance Requirements for Trap Seal Primer—Drainage Types and Electric Design Types	IRC							

1048-2021e1	Performance Requirements for Double Check Detector ~~Fire Protection~~ Backflow Prevention Assemblies	IRC							
1052-~~2016~~ 2023	Performance Requirements for Hose Connection Backflow Preventers	IPC	IRC						
1062-2021	Performance Requirements for Temperature-actuated, Flow Reduction (TAFR) Valves for Individual Supply Fittings	IRC							
1066-~~1997~~ 2023	Performance Requirements for Individual Pressure Balancing In-line Valves for Individual Fixture Fittings	IPC	IRC						
1082-~~2018~~ 2021	Performance Requirements for Water Heaters with Integral Temperature Control Devices for Hot Water Distribution Systems.	IPC							
1084-2018e1(R2023)	Performance Requirements for Water Heaters with Temperature Limiting Capacity	IPC							
1085-2018(R2023)	Performance Requirements for Water Heaters for Emergency Equipment	IPC							
ASSP	**American Society of Safety Professionals**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/ASSP Z359.1-~~2020~~ 2024	The Fall Protection Code	IBC	IFC	IFGC	IMC				

ASTM	ASTM International								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
A6/A6M—~~21~~ 24b	Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes and Sheet Piling	IBC							
A53/A53M—~~2020~~ 24	Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	IFGC	IMC	IPC	IRC				
A74—~~2021~~ 21	Specification for Cast Iron Soil Pipe and Fittings	IPC	IPSDC	IRC					
A105/A105M—~~21~~ 24	Standard Specification for Carbon Steel Forgings for Piping Applications	IMC							
A106/A106M—~~2019a~~ 19a	Specification for Seamless Carbon Steel Pipe for High-Temperature Service	IFGC	IMC	IRC					
A123/A123M—~~2017~~ 24	Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products	IRC							
A126—~~04(2019)~~ 04(2023)	Standard Specification for Gray Iron Castings for Valves, Flanges and Pipe Fittings	IMC	IRC						
A153/A153M—~~2016A~~ 23	Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware	IBC	IRC						
A181/A181M—~~14(2020)~~ 23	Standard Specification for Carbon Steel Forgings, for General-Purpose Piping	IMC							
A182/A182M—~~21~~ 24c	Standard Specification for Forged or Rolled Alloy and	ISPSC							

	Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High- temperature Service								

A193/A193M—~~20~~ 24a	Standard Specification for Alloy-Steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications	IMC							
A234/A234M—~~19~~ 24	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service	IMC							
A240/A240M—~~20a~~ 24a	Standard Specification for Chromium and Chromium- Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications	IBC	IMC	IRC	ISPSC				
A268/A268M—~~20~~ 24	Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service	IFGC	IRC						
A269/A269M—~~15a(2019)~~ 24	Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service	IFGC	IMC	IPC	IRC				
A283/A283M—~~2018~~ 24	Specification for Low and Intermediate Tensile Strength Carbon Steel Plates	IBC							
A312/A312M—~~21~~ 24b	Specification for Seamless, Welded and Heavily Cold Worked Austenitic Stainless Steel Pipes	IFGC	IMC	IPC	IRC	ISPSC			
A333/A333M—~~2017~~ 24	Standard Specification for Seamless and Welded Steel	IMC							

	Pipe for Low-Temperature Service and Other Applications with Required Notch Toughness								

A395/A395M—99~~(2018)~~ (2022)	Standard Specification for Ferritic Ductile Iron Pressure- Retaining Castings for Use at Elevated Temperatures	IMC							
A403/A403M—~~20~~ 22b	Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings	ISPSC							
A416/A416M—~~18~~ 24	Standard Specification for Low-Relaxation, Seven-Wire Steel Strand, for Prestressed Concrete	IBC							
A420/A420M—~~20~~ 24a	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service	IMC							
A463/A463M—~~15(2020)e1~~ 22	Standard Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process	IBC	IRC						
A518/A518M—99~~(2018)~~ 2022	Standard Specification for Corrosion-Resistant High-Silicon Iron Castings	IPC							
A536—~~84(2019)e1~~ 24	Standard Specification for Ductile Iron Castings	IMC							
A563/A563M—~~21a~~ 24	Standard Specification for Carbon and Alloy Steel Nuts (Inch and Metric)	IRC							
A615/A615M—~~20~~ 24	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement	IBC	IRC						
A653/A653M—~~20~~ 23	Specification for Steel Sheet, Zinc-Coated (Galvanized) or	IBC	IRC	IEBC					

	Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process								

A690/A690M—~~13a(2018)~~ 24	Standard Specification for High-Strength Low-Alloy Nickel, Copper, Phosphorus Steel H-Piles and Sheet Piling with Atmospheric Corrosion Resistance for Use in Marine Environments	IBC							
A706/A706M—~~2016~~ 24	Standard Specification for Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement	IBC	IRC						
A733—16(2022)	Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples	IPC							
A755/A755M—18(2024)	Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products	IBC	IRC						
A778/A778M—~~16(2021)~~ 24a	Standard Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products	IMC	IPC	IRC					
A792/A792M—~~21a~~ 23	Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process	IBC	IRC						
A875/A875M—~~21~~ 23	Standard Specification for Steel Sheet, Zinc-5%, Aluminum Alloy-Coated by the Hot-Dip Process	IBC	IRC						
A888—~~21a~~ 24	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary	IPSDC	IRC	IPC					

	and Storm Drain, Waste, and Vent Piping Application								

A924/A924M—~~20~~ 22a	Standard Specification for General Requirements for Steel Sheet, Metallic-coated by the Hot-Dip Process	IBC	IRC						
A996/A996M—~~2016~~ 24	Specifications for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement	IRC							
A1003/A1003M—~~15~~ 23e1	Standard Specification for Steel Sheet, Carbon, Metallic and Nonmetallic-Coated for Cold-Formed Framing Members	IRC							
B88—~~20~~ 22	Standard Specification for Seamless Copper Water Tube	IBC	IPC	IPSDC	ISPSC				
B101—~~12(2019)~~ 22	Specification for Lead-Coated Copper Sheet and Strip for Building Construction	IBC	IRC						
B152/B152M—~~19~~ 24	Standard Specification for Copper Sheet, Strip Plate, and Rolled Bar	IPC							
B209—21a	Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate	IMC	IRC						
B241/B241M—~~2016~~ 22	Specification for Aluminum and Aluminum-Alloy, Seamless Pipe and Seamless Extruded Tube	IFGC							
B251/B251M—~~2017~~ 17	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	IBC	IFC	IMC	IPC	IPSDC	IRC		
B280—~~20~~ 23	Specification for Seamless Copper Tube for Air-Conditioning and Refrigeration Field Service	IBC	IFC	IFGC	IMC				

B361—~~16~~(2024)	Standard Specification for Factory-Made Wrought Aluminum and Aluminum-Alloy Welding Fittings	IMC							
B370—~~12(2019)~~ 22	Specification for Copper Sheet and Strip for Building Construction	IBC	IRC						
B491/B491M—~~15~~ 23	Standard Specification for Aluminum and Aluminum-alloy Extruded Round Tubes for General~~-purpose~~ Purpose Applications	IMC							
B687—~~1999(2016)~~ 99(2023)	Specification for Brass, Copper and Chromium-plated Pipe Nipples	IPC	IRC	ISPSC					
B695-~~04(2009)~~ 21	Standard Specification for Coating of Zinc Mechanically Deposited on Iron and Steel	IBC	IEBC	IRC					
B813—~~2016~~ 24	Standard Specification for Water Flushable Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	IMC	IPC	IRC	IPSDC				
B828—~~2016~~ 23	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	IMC	IPC	IRC					
B1003—16(2023)	Standard Specification for Seamless Copper Tube for Linesets	IMC							
C4—04~~(2018)~~ (2023)	Specification for Clay Drain Tile and Perforated Clay Drain Tile	IPC	IPSDC	IRC					
C5—~~2018~~ 24	Specification for Quicklime for Structural Purposes	IBC	IRC						
C27—~~1998(2018)~~ 98(2022)	Specification for Standard Classification of Fireclay and High-Alumina Refractory Brick	IBC	IRC						

C31/C31M—~~21a~~ 24b	Practice for Making and Curing Concrete Test Specimens in the Field	IBC							
C33/C33M—~~2018~~ 24	Specification for Concrete Aggregates	IBC	IRC						
C34—~~2017~~ 23	Standard Specification for Structural Clay Loadbearing Wall Tile	IRC							
C55—~~2017~~ 23	Specification for Concrete Building Brick	IBC	IRC						
C56—~~2013(2017)~~ 22	Standard Specification for Structural Clay Nonloadbearing Tile	IRC							
C62—~~2017~~ 23	Standard Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)	IBC	IRC						
C67-~~14~~/C67M-23a	Standard Test Methods of Sampling and Testing Brick and Structural Clay Tile	IBC	IEBC						
C73—~~2017~~ 23	Specification for Calcium Silicate Brick (Sand-Lime Brick)	IBC	IRC						
C76—22a	Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe	IPSDC	IPC	IRC					
C90—~~21~~ 24	Specification for Loadbearing Concrete Masonry Units	IBC	IRC	IECC					
C91/C91M—~~2018~~ 23	Specification for Masonry Cement	IBC	IRC						
C94/C94M—~~21b~~ 24c	Standard Specification for Ready-Mixed Concrete	IBC	IEBC	IRC					
C109/C109M—~~2015el~~ 23	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 50mm [2 in.] Cube Specimens)	IRC							

C126—~~19~~ 22	Standard Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units	IRC							
C129—~~2017~~ 23	Specification for Nonload-Bearing Concrete Masonry Units	IRC							
C140/C140M—~~22a~~ 24	Test Method Sampling and Testing Concrete Masonry Units and Related Units	IBC	IEBC						
C141/C141M—14(2022)	Standard Specification for Hydrated Hydraulic Lime for Structural Purposes	IBC	IEBC	IRC					
C150/C150M—~~21~~ 24	Specification for Portland Cement	IBC	IRC						
C177—19e1	Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus	IRC							
C199—~~1984(2016)~~ 22	Test Method for Pier Test for Refractory Mortars	IBC	IRC						
C206—14(2022)	Specification for Finishing Hydrated Lime	IBC	IRC						
C207—~~2018~~ 24	Specification for Hydrated Lime for Masonry Purposes	IRC							
C208—~~2022~~ 22	Specification for Cellulosic Fiber Insulating Board	IBC	IRC						
C212—~~21~~ 22	Standard Specification for Structural Clay Facing Tile	IRC							
C216—~~21~~ 23	Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)	IBC	IRC						
C270—~~19ae1~~ 24	Specification for Mortar for Unit Masonry	IBC	IRC						
C317/C317M—~~2000(2019)~~ 24		IBC							

	Specification for Gypsum Concrete								
C330/C330M—~~2017A~~ 23	Specification for Lightweight Aggregates for Structural Concrete	IBC							

C331/C331M—~~2017~~ 23	Specification for Lightweight Aggregates for Concrete Masonry Units	IBC							
C406/C406M—~~15~~ 22	Specification for Roofing Slate	IBC	IRC						
C425—~~21~~ 22	Specification for Compression Joints for Vitrified Clay Pipe and Fittings	IPC	IPSDC	IRC					
C428/C428M—05~~(2011)e1~~ (2019) (Withdrawn)	Specification for Asbestos-cement Nonpressure Sewer Pipe	IPSDC							
C475/C475M—~~2017~~ 17(2022	Specification for Joint Compound and Joint Tape for Finishing Gypsum Board	IBC	IRC						
C476—~~20~~ 23	Specification for Grout for Masonry	IRC							
C478-~~15a~~/C478M-22	Specification for Circular Precast Reinforced Concrete Manhole Sections	IPSDC							
C503/C503M-~~2015~~ 23	Standard Specification for Marble Dimension Stone	IRC							
C518-~~15:~~ 21	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	IRC							
C547—~~19~~ 22a	Specification for Mineral Fiber Pipe Insulation	IBC							
C549—~~18~~ 23	Specification for Perlite Loose Fill Insulation	IBC							
C568M—~~2015~~ 22	Standard Specification for Limestone Dimension Stone	IRC							
C578—~~19~~ 23	Standard Specification for	IBC	IRC						

	Rigid, Cellular Polystyrene Thermal Insulation								
C587—~~2004(2018)~~ 24	Specification for Gypsum Veneer Plaster	IBC	IRC						
C595/C595M—~~21~~ 24	Specification for Blended Hydraulic Cements	IBC	IRC						
C615/C615M—~~2018E1~~ 23	Standard Specification for Granite Dimension Stone	IRC							

C616/C616M—~~2015~~ 22	Standard Specification for Quartz-Based Dimension Stone	IRC							
C629/C629M—~~2015~~ 22	Standard Specification for Slate Dimension Stone	IRC							
C631—09(2020)	Standard Specification for Bonding Compounds for Interior Gypsum Plastering	IBC	IRC						
C635/C635M—~~2017~~ 22	Specification for the Manufacture, Performance and Testing of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings	IBC							
C652—~~21~~ 22	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)	IBC	IRC						
C685/C685M—~~2017~~ 24	Specification for Concrete Made by Volumetric Batching and Continuous Mixing	IRC							
C700—~~2018~~ 18(2022)	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated	IPC	IPSDC	IRC					
C726—~~2017~~ 24	Standard Specification for Mineral Wool Roof Insulation Board	IBC	IRC						
C728—~~2017A~~ 17a(2022)	Standard Specification for Perlite Thermal Insulation Board	IBC	IRC						

C744—~~2016~~ 21	Specification for Prefaced Concrete and Calcium Silicate Masonry Units	IBC							
C840—~~20~~ 23	Specification for Application and Finishing of Gypsum Board	IBC							
C841—~~2003(2018)~~ 23	Standard Specification for Installation of Interior Lathing and Furring	IBC	IRC						

C843—~~2017~~ 23	Specification for Application of Gypsum Veneer Plaster	IBC	IRC						
C913—~~08~~ 23	Specification for Precast Concrete Water and Wastewater Structures	IPSDC							
C926—~~2021~~ 24	Specification for Application of Portland Cement-Based Plaster	IBC	IRC						
C932—06~~(2019)~~ (2024)	Specification for Surface-Applied Bonding Compounds for Exterior Plastering	IBC							
C933—~~2018~~ 23	Specification for Welded Wire Lath	IBC	IRC						
C946—~~2018~~ 23	Standard Practice for Construction of Dry-Stacked, Surface-Bonded Walls	IBC	IRC						
C954—~~2018~~ 22	Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 inch (0.84 mm) to 0.112 inch (2.84 mm) in Thickness	IBC	IRC						
C956—~~04(2019)~~ 24	Specification for Installation of Cast-In-Place Reinforced Gypsum Concrete	IBC							
C957/C957M—~~2017~~ 17(2024)	Specification for High-Solids Content, Cold Liquid-Applied	IBC	IRC						

	Elastomeric Waterproofing Membrane with Integral Wearing Surface								
C1002—~~20~~ 22	Specification for Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs	IBC	IRC						

C1007—20(2024)	Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories	IBC							
C1032/C1032M—~~2018~~ 24	Specification for Woven Wire Plaster Base	IBC	IRC						
C1063—~~21~~ 23	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-based Plaster	IBC	IRC						
C1088—~~20~~ 23	Specification for Thin Veneer Brick Units Made from Clay or Shale	IBC	IRC						
C1116/C116M—~~20~~ 23	Standard Specification for Fiber-Reinforced Concrete ~~and Shotcrete~~	IRC							
C1157/C1157M—~~20a~~ 23	Standard Performance Specification for Hydraulic Cement	IBC	IRC						
C1167—~~2011(2017)~~ 22	Specification for Clay Roof Tiles	IBC	IRC						
C1173—~~2018~~ 22	Specification for Flexible Transition Couplings for Underground Piping System	IPC	IPSDC	IRC					
C1177/C1177M—~~2017~~ 24	Specification for Glass Mat Gypsum Substrate for Use as Sheathing	IBC	IRC						
C1178/C1178M—~~2018~~ 24	Standard Specification for	IBC	IRC						

	Coated Glass Mat Water-Resistant Gypsum Backing Panel								
C1186—~~2008(2016)~~ 22e1	Specification for Flat Fiber Cement Sheets	IBC	IRC						
C1261—~~2013(2017)E1~~ 22	Specification for Firebox Brick for Residential Fireplaces	IBC	IRC						
C1278/C1278M—~~2017~~ 24	Specification for Fiber-Reinforced Gypsum Panels	IBC	IRC						

C1280—18(2023)	Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing	IBC	IRC						
C1288—~~2017~~ 23	Standard Specification for Fiber-Cement Interior Substrate Sheets	IBC	IRC						
C1289—~~22~~ 23a	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board	IBC	IRC						
C1321—15(2020)	Standard Practice for Installation and Use of Interior Radiation Control Coating Systems (IRCCS) in Building Construction	IRC							
C1325—~~21~~ 22e1	Standard Specification for Fiber-Mat Reinforced Cementitious Backer Units	IBC	IRC						
C1328/C1328M—~~19~~ 23	Specification for Plastic (Stucco Cement)	IBC	IRC						
C1363-~~19~~ 24	Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus	IECC	IRC						
C1364—~~19~~ 23e1	Standard Specification for Architectural Cast Stone	IRC							
C1372—~~17~~ 23	Standard Specification for Dry-	IBC							

	Cast Segmental Retaining Wall Units								
C1396/C1396M—~~2017~~ 24	Specification for Gypsum Board	IBC	IRC						
C1405—~~20a~~ 23	Standard Specification for Glazed Brick (Single Fired, Brick Units)	IRC							
C1492—~~2003(2016)~~ 24	Standard Specification for Concrete Roof Tile	IBC	IRC						

C1531—~~15~~ 22	Standard Test Methods for In Situ Measurement of Masonry Mortar Joint Shear Strength Index	IEBC							
C1569—~~03(2016)~~ 22	Standard Test Method for Wind Resistance of Concrete and Clay Roof Tiles (Wind Tunnel Method)	IBC							
C1570—~~03(2016)~~ 22	Standard Test Method for Wind Resistance of Concrete and Clay Roof Tiles (Air Permeability Method)	IBC							
C1600/C1600M—~~19~~ 23	Standard Specification for Rapid Hardening Hydraulic Cement	IBC							
C1629/C1629M—~~19~~ 23	Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels	IBC							
C1634—~~20~~ 23a	Standard Specification for Concrete Facing Brick and Other Concrete Masonry Facing Units	IRC							
C1644—06(2017)	Specification for Resilient Connectors Between Reinforced Concrete On-Site Wastewater Tanks and Pipes	IPSDC							
		IBC	IRC						

C1658/C1658M—~~19e1~~ (2024)	Standard Specification for Glass Mat Gypsum Panels								
C1668—~~20~~ 24	Standard Specification for Externally Applied Reflective Insulation Systems on Rigid Duct in Heating, Ventilation, and Air Conditioning (HVAC) Systems	IRC							
C1670/1670M—~~21b~~ 24	Standard Specification for Adhered Manufactured Stone Masonry Veneer Units	IBC	IRC						

C1691—~~2021~~ 21	Standard Specification for Unreinforced Autoclaved Aerated Concrete (AAC) Masonry Units	IRC							
C1743—~~2019~~ 19(2024)	Standard Practice for Installation and Use of Radiant Barrier Systems (RBS) in Residential Building Construction	IRC	IECC						
C1822-~~2015~~ 21	Standard Specification for Insulating Covers on Accessible Lavatory Piping	IPC							
C1902—~~20~~ 22a	Standard Specification for Cellular Glass Insulation Used in Building and Roof Applications	IBC	IRC						
D25-~~2012(2017)~~ 12(2022)	Specification for Round Timber Piles	IBC							
D41/D41M-~~2011(2016)~~ 11(2023)	Specification for Asphalt Primer Used in Roofing, Dampproofing and Waterproofing	IBC	IRC						
D43/D43M-~~2000(2018)~~ 00(2024)	Specification for Coal Tar Primer Used in Roofing, Dampproofing and Waterproofing	IBC	IRC						
D56-~~21a~~ 22	Test Method for Flash Point by Tag Closed Cup Tester	IBC	IFC	IMC					

D86-~~20b~~ 23ae1	Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure	IBC	IFC						

D226/D226M-~~2017~~ 17(2023)	Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing	IBC	IRC						
D227/D227M-~~2003(2018)~~ 03(2024)	Specification for Coal-Tar-Saturated Organic Felt Used in Roofing and Waterproofing	IBC	IRC						
D312/D312M-~~2016a~~ 16a(2023)	Specification for Asphalt Used in Roofing	IBC	IRC						
D448-~~2012(2017)~~ 12(2022)	Standard Classification for Sizes of Aggregate for Road and Bridge Construction	IBC							
D450/D450M-~~2017(2018)~~ 07(2024)	Specification for Coal-Tar Pitch Used in Roofing, Dampproofing and Waterproofing	IBC	IRC						
D635-~~18~~ 22	Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position	IBC							
D1143/D1143M-20e1	Standard Test Methods for Deep Foundation Elements Under Static Axial Compressive Load	IBC							
D1227/D1227M-13~~(2019)e1~~ (2024)	Specification for Emulsified Asphalt Used as a Protective Coating for Roofing	IBC	IRC						
D1248-~~2016~~ 16	Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable	IRC							
D1593-~~19~~ 22	Standard Specification for Nonrigid Vinyl Chloride Plastic Film and Sheeting	ISPSC							
D1863/D1863M-~~2005(2018)~~ 05(2024)	Specification for Mineral	IBC	IRC						

	Aggregate Used on Built-up Roofs								

D1869-15(2022)	Specification for Rubber Rings for Fiber-Reinforced Cement Pipe	IPSDC	IRC						
D1929-~~20~~ 23	Standard Test Method for Determining Ignition Temperature of Plastics	IBC							
D2235-~~2021~~ 22	Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings	IMC	IPSDC	IRC					
D2239-~~21~~ 22	Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter	IPC	IRC						
D2241-~~20~~ 24	Specification for Poly (Vinyl Chloride) (PVC) Pressure-rated Pipe (SDR-Series)	IMC	IPC	IRC	ISPSC				
D2464-~~15~~ 23	Standard Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80								
D2466-~~21~~ 24	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	IMC	IRC	ISPSC					
D2467-~~20~~ 24	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80	IMC	IPC	IRC	ISPSC				
D2513-~~20~~ 24	Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing and Fittings	IFGC	IRC						
D2564-20(2024)	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	IMC	IPSDC	IRC					
D2609-~~21~~ 24	Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe	IPC	IRC						

D2657-~~2007(2015)~~ 07(2023)	Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings	IMC	IPC	IPSDC	IRC				

D2661-~~21~~ 24	Specification for Acrylonitrile-butadiene-styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2665-~~20~~ 24	Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste and Vent Pipe and Fittings	PC	IPSDC	IRC					
D2729-~~2021~~ 21	Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	IPC	IPSDC	IRC					
D2737-~~21~~ 22	Standard Specification for Polyethylene (PE) Plastic Tubing	IBC	IMC	IPC	IRC				
D2824/D2824M-2018(2024)	Standard Specification for Aluminum-pigmented Asphalt Roof Coatings, Nonfibered and Fibered without Asbestos	IBC	IRC						
D2846/ D2846M-~~19a~~ 24	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-water Distribution Systems	IMC	IPC	IRC	ISPSC				
D2855-20(2024)	Standard Practice for the Two-Step (Primer and Solvent Cement) Method of Joining Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets	IPC	IPSDC	IRC					
D2859-~~2016~~ 16(2021)	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials	IBC	IFC						
D2898-~~2010(2017)~~ 10(2024)	Standard Practice for	IBC	IRC	IWUIC					

	Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing								
D2949-~~18~~ 24	Specification for 3.25-in. Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2996-~~2017~~ 23	Specification for Filament-Wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe	IMC							
D3019/D3019-~~2017~~ 17(2024)	Specification for Lap Cement Used with Asphalt Roll Roofing, Nonfibered, Asbestos Fibered and Nonasbestos Fibered	IBC	IRC						
D3034-~~21~~ 24	Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	IRC							
D3035-~~21~~ 22	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter	IMC							
D3261-~~2016~~ 24	Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing	IMC	IPC	IRC					
D3311-~~2017(2021)~~ 22	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns	IPC	IRC						
D3350-~~21~~ 24	Specification for Polyethylene Plastic Pipe and Fitting Materials	IRC							
D3462/D3462M-~~19~~ 23	Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules	IBC							
D3679-~~21~~ 24	Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding	IBC							
D3737-~~2018E1~~ 18(2023)e1	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)	IBC							
D3746/D3746M-~~1985(2015)E1~~	Test Method for Impact Resistance of Bituminous Roofing Systems	IBC							
	Standard Specification for Asphalt Roll Roofing (Glass Felt)	IBC	IRC	IWUIC					

D3909/D3909M-~~14(2021)~~ 22	Surfaced With Mineral Granules								

D4479/D4479M—~~2007(2018)~~ 07(2024)	Specification for Asphalt Roof Coatings—Asbestos-Free	IBC	IRC						
D4551—~~2017~~ 22	Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-containment Membrane	IBC	IRC						
D4586/D4586M-2~~007(2018)~~ 07(2024)	Specification for Asphalt Roof Cement—Asbestos-Free	IBC	IRC						
D4637/D4637M-~~2015(2021)~~ 15(2021)e1	Specification for EPDM Sheet Used in Single-Ply Roof Membrane	IBC	IRC						
D4897/D4897M-~~2016~~ 16(2023)	Specification for Asphalt- Coated Glass Fiber Venting Base Sheet Used in Roofing	IBC	IRC						
D5019-07a~~(2013)~~	Specification for Reinforced Nonvulcanized Polymeric Sheet Used in Roofing Membrane	IBC	IRC						
D5034-~~09(2017)~~ 21	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)	ISPSC							
D5643/D5643M-~~2006 (2018)~~ 06(2024)	Specification for Coal Tar Roof Cement, Asbestos-Free	IBC	IRC						
D6083/D6083M-~~21~~ 24	Specification for Liquid Applied Acrylic Coating Used in Roofing	IBC	IRC						
D6162/D6162M-~~2016~~ 21	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC	IRC						
D6163/D6163M-~~2016~~ 21	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements	IBC	IRC						

D6164/D6164M-~~2016~~ 21	Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements	IBC							

D6222/D6222M-~~2016~~ 16(2023)	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcements	IBC	IRC						
D6223/D6223M-~~2016~~ 21	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC	IRC						
D6298-~~2016~~ 16(2023)	Specification for Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface	IBC	IRC						
D6380/D6380M-~~2003(2018)~~ 03(2022)	Standard Specification for Asphalt Roll Roofing (Organic Felt)	IBC	IRC						
D6509/D6509M-~~2016~~ 16(2023)	Standard Specification for Atactic Polypropylene (APP) Modified Bituminous Base Sheet Materials Using Glass Fiber Reinforcements	IBC							
D6694/D6694M-~~08(2013)E1~~ 15(2023)	Standard Specification for Liquid-Applied Silicone Coating Used in Spray Polyurethane Foam Roofing Systems	IBC	IRC						
D6754/D6754M-~~2015~~ 23	Standard Specification for Ketone Ethylene Ester Based Sheet Roofing	IBC	IRC						

D6757/D6757M-~~2018~~ 18(2023)	Specification for Underlayment Felt Containing Inorganic Fibers Used in Steep Slope Roofing	IBC	IRC						

D6947/D6947M-~~2016~~ 16(2023)	Standard Specification for Liquid Applied Moisture Cured Polyurethane Coating Used in Spray Polyurethane Foam Roofing System	IBC	IRC						
D7158-D7158M-~~20~~ 24a	Standard Test Method for Wind Resistance of Asphalt Shingles (Uplift Force/Uplift Resistance Method)	IBC	IRC						
D7655/D7655M-~~2012(2017)~~ 12(2022)	Standard Classification for Size of Aggregate Used as Ballast for Roof Membrane Systems	IBC							
D7672-~~19~~ 24	Standard Specification for Evaluating Structural Capacities of Rim Board Products and Assemblies	IBC	IRC						
D7793-~~20~~ 24	Standard Specification for Insulated Vinyl Siding	IBC	IRC						
D7957/D7957M-~~17~~ 22	Standard Specification for Solid Round Glass Fiber Reinforced Polymer Bars for Concrete Reinforcement	IBC							
D8257/D8257M-~~20~~ 22	Standard Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing	IBC	IRC						
E84-~~21a~~ 24	Standard Test Method for Surface Burning Characteristics of Building Materials	IBC	IFC	IMC	IPC	IRC	IWUIC		
E90-~~09(2016):~~ 23	Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements	IBC	IRC						

E96/E96M-~~21~~ 24	Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials	IBC	IRC						
E119-~~20~~ 24	Standard Test Methods for Fire Tests of Building Construction and Materials	IBC	IEBC	IMC	IRC	IWUIC			
E136-~~2022~~ 24c	Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750 Degrees C	IBC	IEBC	IFGC	IMC	IRC	IWUIC		

E331-~~2000(2016)~~ 00(2023)	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference	IBC	IRC						
E336-~~20~~ 24	Standard Test Method for Measurement of Airborne Sound Attenuation between Rooms in Buildings	IBC	IRC						
E488/E488M -~~15~~ 22	Standard Test Methods for Strength of Anchors in Concrete and Masonry Elements	IEBC							
E492-~~09~~ 22	Specification for Laboratory Measurement of Impact Sound Transmission through Floor-ceiling Assemblies Using the Tapping Machine	IBC	IRC						
E519/E519M -~~2010~~ 22	Standard Test Method for Diagonal Tension (Shear) in Masonry Assemblages	IEBC							
E605/E605M-19(2023)	Test Method for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members	IBC							
E648-~~2017A~~ 23	Standard Test Method for Critical Radiant Flux of Floor- Covering Systems Using a Radiant Heat Energy Source	IBC							

E681-~~09(2015)~~ 09(2023)	Standard Test Method for Concentration Limits of Flammability of Chemicals (Vapors and Gases)	IBC	IFC						
E736/E736M-19(2023)	Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members	IBC							
E814-~~2013A(2017)~~ 24	Standard Test Method for Fire Tests of Penetration Firestop Systems	IBC	IMC	IRC					
E903-20	Standard Test Method for Solar Absorptance, Reflectance and Transmittance of Materials Using Integrating Spheres ~~(Withdrawn 2005)~~	IECC							
E970-~~2017~~ 23	Standard Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source	IBC	IRC						
E1300-~~2016~~ 24	Practice for Determining Load Resistance of Glass in Buildings	IBC							
E1354-~~2017~~ 24	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter	IBC	IFC	IWUIC					

E1509-~~2012(2017)~~ 22	Specification for Room Heaters, Pellet Fuel-Burning Type	IMC	IRC						
E1529-~~16e1~~ 22	Standard Test Methods for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies	IFC							

E1554/E1554 M-~~13(2018)~~ 13(2023)	Standard Test Methods for Determining Air Leakage of Air Distribution Systems by Fan Pressurization	IRC							
E1590-~~2022~~ 23	Test Method for Fire Testing of Mattresses	IFC							
E1677-~~19.~~ 23	Specification for Air Barrier (AB) Material or Systems for Low-rise Framed Building Walls	ICCPC	IECC						
E1745-17(2023)	Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	IRC							
E1996-~~20~~ 23	Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes	IBC	IRC						
E2072-~~14~~ 24	Standard Specification for Photoluminescent (Phosphorescent) Safety Markings	IBC	IFC						
E2307-~~20~~ 23b	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using the Intermediate-Scale, Multistory Test Apparatus	IBC							
E2357-~~23~~ 24	Standard Test Method for Determining Air Leakage of Air Barriers Assemblies	IECC							

E2392/E2392M-~~10(2016)~~ 24	Standard Guide for Design of Earthen Wall Building Systems	IBC	IRC						
E2404-~~17~~ 22	Standard Practice for Specimen Preparation and Mounting of Textile, Paper or	IBC	IFC						

	Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facing and Veneers to Assess Surface Burning Characteristics								
E2556/E2556M-~~2010(2016)~~ 10(2022)	Standard Specification for Vapor Permeable Flexible Sheet Water-resistive Barriers Intended for Mechanical Attachment	IBC	IRC						
E2573-~~19~~ 24	Standard Practice for Specimen Preparation and Mounting of Site-Fabricated Stretch Systems to Assess Surface Burning Characteristics	IBC	IFC						
E2579-~~21~~ 23b	Standard Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics	IBC	IFC						
E2599-~~2018~~ 22	Standard Practice for Specimen Preparation and Mounting of Reflective Insulation, Radiant Barrier and Vinyl Stretch Ceiling Materials for Building Applications to Assess Surface Burning Characteristics	IBC							
E2634-~~2018~~ 18(2022)	Standard Specification for Flat Wall Insulating Concrete Form (ICF) Systems	IBC	IRC						
E2635-~~14~~ 22	Standard Practice for Water Conservation Through In-Situ Water Reclamation	IPC							

E2652-~~18~~ 22	Standard Test Method for Assessing Combustibility of Materials Using a Tube Furnace with a Cone-shaped Airflow Stabilizer, at 750^{O}C	IBC							
E2751/E2751M-~~2017A~~ 21	Practice for Design and	IBC							

	Performance of Supported Laminated Glass Walkways								
E2837-~~2013(2017)~~ 23ae1	Standard Test Method for Determining the Fire Resistance of Continuity Head-of-Wall Joint Systems Installed Between Rated Wall Assemblies and Nonrated Horizontal Assemblies	IBC							
E3158-~~18~~ 24	Standard Test Method for Measuring the Air Leakage Rate of a Large or Multizone Building	IECC	IRC						
F405-~~05~~ 13	Specification for Corrugated Polyethylene (PE) Pipe and Fittings	IPC	IPSDC	IRC					
F409-~~2017~~ 22	Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings	IPC	IRC						
F437-~~21~~ 24	Standard Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	IMC	IPC	IRC	ISPSC				
F438-~~2017~~ 23	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	IMC	IPC	IRC	ISPSC				
F439-~~19~~ 24	Standard Specification for ~~Socket Type~~ Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	IMC	IPC	IRC	ISPSC				

F441/F441M-~~20~~ 23	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80	IMC	IPC	IRC					
F442/F442M-~~20~~ 23	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)	IMC	IPC	IRC					

F493-~~20~~ 22	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings	IMC	IPC	IRC					
F547-~~2017~~ 22	Terminology of Nails for Use with Wood and Wood-Base Materials	IBC							
F628-~~2012E2~~ 23	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core	IPC	IPSDC	IRC					
F714-~~21a~~ 24	Standard Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter	IMC	IPC	IRC					
F844-~~19~~ 19(2024)	Standard Specification for Washers, Steel, Plain (Flat), Unhardened for General Use	IRC							
F876-~~20b~~ 24a	Specification for Cross-linked Polyethylene (PEX) Tubing	IMC	IPC	IRC					
F877-~~20~~ 24	Specification for Cross-Linked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems	IMC	IRC						
F891-~~2016~~ 24	Standard Specification for Coextruded Poly(Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core	IPC	IPSDC	IRC					
F1055-~~2016A~~ 16a(2022)	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene (PEX) Pipe and Tubing	IMC	IPC	IRC					
F1085-19(2024)	Standard Specification for Mattress and Box Springs for Use in Berths in Marine Vessels	IFC							

F1281-~~2017(2021)e1~~ 24	Specification for Cross-linked Polyethylene/Aluminum/Cross -linked Polyethylene (PEX-AL-PEX) Pressure Pipe	IECC	IMC	IPC	IRC				
F1282-~~2017~~ 23a	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe	IMC	IPC	IRC					
F1346-~~1991(2018)~~ 23	Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs	ISPSC							
F1412-~~2016~~ 22	Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage	IRC							
F1484-18(2023)	Standard Test Method for Performance of Steam Cookers	IECC							
F1499-~~2017~~ 22	Specification for Coextruded Composite Drain Waste and Vent Pipe (DWV)	IPSDC							
F1504 - ~~21~~ 21e1	Standard Specification for Folded Poly (Vinyl Chloride) (PVC) for Existing Sewer and Conduit Rehabilitation	IPC							
F1548-~~2001(2018)~~ 01(2023)	Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications	IMC	IPC						
F1760-~~01~~ ~~(2011)~~ 16(2020)	Standard Specification for Coextruded Poly (Vinyl Chloride) (PVC) Non-Pressure Plastic Pipe Having Reprocessed-Recycled Content	IRC							

F1807-~~19b~~ 23	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps, for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IMC	IRC						
F1866-~~2018~~ 23	Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings	IPC	IRC						
F1871 -~~20~~ 24	Standard Specification for Folded/Formed Poly (Vinyl Chloride) Pipe Type A for Existing Sewer and Conduit Rehabilitation	IPC							
F1901-~~10~~ 22	Standard Specification for Polyethylene (PE) Pipe and Fittings for Roof Drain Systems	IRC							
F1960-~~21~~ 24	Standard Specification for Cold-Expansion Fittings with PEX Reinforcing Rings for Use with Cross-Linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing	IMC	IRC						

F1970-~~19~~ 23	Standard Specification for Special Engineered Fittings, Appurtenances or Valves for Use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Systems	IRC							
F1974-~~09(2020)~~ 23	Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-Linked Polyethylene/Aluminum/Cross-Linked Polyethylene Composite Pressure Pipe	IMC	IPC	IRC					

F2080-~~19~~ 23	Specification for Cold-Expansion Fittings with Metal Compression-Sleeves for Cross-Linked Polyethylene (PEX) Pipe	IMC	IRC						
F2093-18(2023)	Standard Test Method for Performance of Rack Ovens	IECC							
F2098-~~18~~ 24	Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) to Metal Insert and Plastic Insert Fittings	IRC							
F2158-~~08~~ ~~(2016)~~ 08(2024)	Standard for Residential Central-vacuum Tube and Fittings	IRC							
F2159-~~21~~ 23a	Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IMC	IRC						
F2200-~~20~~ 24	Standard Specification for Automated Vehicular Gate Construction	IBC	IFC	IRC					
F2286-16(2023)	Standard Design and Performance Specification for Removable Mesh Fencing for Swimming Pools, Hot Tubs, and Spas	ISPSC							

F2389-~~21~~ 24a	Standard Specification for Pressure-Rated Polypropylene Piping Systems	IMC	IRC						
F2599-~~20~~ 22	Standard Practice for	IPC							

	Sectional Repair of Damaged Pipe by Means of an Inverted Cured-in-Place Liner								
F2618-~~19~~ 24	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Fittings for Chemical Waste Drainage Systems	IPC							
F2623-~~19~~ 24e1	Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDRG Tubing	IRC							
F2648/F2648M-~~20~~ 23	Standard Specification for 2 to 60 inch [50 to 1500 mm] Annular Corrugated Profile Wall Polyethylene (PE) Pipe and Fittings for Land Drainage Applications	IPC							
F2735-~~21~~ 23	Standard Specification for Plastic Insert Fittings for SDR9 Cross-Linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing	IMC	IRC						
F2763-16(2021)e1	Standard Specification for 12 to 60 in. [300 to 1500 mm] Dual and Triple Profile-Wall Polyethylene (PE) Pipe and Fittings for Sanitary Sewer Applications	IPC							
F2764/F2764M-~~19~~ 24	Standard Specification for 6 to 60 in. [150 to 1500 mm] Polypropylene (PP) Corrugated Double and Triple Wall Pipe and Fittings for Non- Pressure Sanitary Sewer Applications	IPC							
F2769-~~18~~ 24	Polyethylene or Raised Temperature (PE-RT) Plastic Hot and Cold-Water Tubing and Distribution Systems	IRC							
F2806-~~20~~ 23	Standard Specification for	IMC	IRC						

	Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (Metric SDR-PR)								

F2831-19(2024)	Standard Practice for Internal Non Structural Epoxy Barrier Coating Material Used in Rehabilitation of Metallic Pressurized Piping Systems	IPC							
F2855-19(2024)	Standard Specification for Chlorinated Poly (Vinyl Chloride)/Aluminum/Chlorinat ed Poly (Vinyl Chloride) (CPVC AL CPVC) Composite Pressure Tubing	IRC							
F2945-~~2018~~ 18(2023)	Standard Specification for Polyamide 11 Gas Pressure Pipe, Tubing and Fittings	IFGC	IRC						
F2947/F2947M-~~20~~ 21a	Standard Specification for 150 to 1500 mm [6 to 60 in] Annular Corrugated Profile- Wall Polyethylene (PE) Pipe and Fittings for Sanitary Sewer Applications	IPC							
F3202-~~19a~~ 24	Standard Specification for Solid Wall Poly (Vinyl Chloride) PVC Fittings for Joining Corrugated Wall High Density Polyethylene (PE) and Propylene (PP) Piping	IPC							
F3240-~~19e1~~ 19(2023)	Standard Practice for Installation of Seamless Molded Hydrophilic Gaskets (SMHG) for Long Term Watertightness of Cured-in-Place Rehabilitation of Main and Lateral Pipelines	IPC							
F3253-~~19~~ 24	Standard Specification for Crosslinked Polyethylene (PEX) Tubing with Oxygen Barrier for Hot- and Cold-Water Hydronic Distribution Systems	IMC	IRC						

F3328-18(2024)	Standard Practice for the One-Step (Solvent Cement Only) Method of Joining Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets	IPC							

F3347-~~20a~~ 23	Standard Specification for Metal Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IMC	IRC						
F3348-~~20b~~ 23a	Standard Specification for Plastic Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IMC	IPC	IRC					
F3371-~~19~~ 22	Standard Specification for Polyolefin Pipe and Fittings for Drainage, Waste, and Vent Applications	IPC	IRC						

AWC American Wood Council

Standard Reference Number	Title	Referenced in Code(s):							
ANSI/AWC NDS-2024	National Design Specification (NDS) for Wood Construction —with ~~2018~~ 2024 NDS Supplement	IBC	IRC						
ANSI/AWC PWF-~~2021~~ 2027	Permanent Wood Foundation Design Specification	IBC	IRC						
ANSI/AWC SDPWS-~~2021~~ 2027	Special Design Provisions for Wind and Seismic	IBC							

AWPA	American Wood Protection Association								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
M4-~~21~~ 23	Standard for the Handling, Storage, Field Fabrication and Field Treatment of Preservative-treated Wood Products	IBC	IRC						
U1-~~23~~ 26	USE CATEGORY SYSTEM: User Specification for Treated Wood Except Commodity Specification H	IBC	IRC						

AWS	American Welding Society								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/AWS A5.31M/A5.31-~~2012~~ 2022	Specification for Fluxes for Brazing and Braze Welding ~~Edition: 2nd~~	IRC							

BHMA	Builders Hardware Manufacturers' Association								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
A156.10-~~2022~~ 2024	Power-Operated Pedestrian Doors	IBC	IFC						
A156.27-~~2019~~ 2024	Power- and Manual-Operated Revolving Pedestrian Doors	IBC	IFC						

CGA	Compressed Gas Association								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/CGA G-13-~~(2015)~~ (2023)	Storage and Handling of Silane and Silane Mixtures	IFC							
ANSI/CGA P-18-~~(2018)~~ (2020)	Standard for Bulk Inert Gas Systems	IFC							
CGA C-7-(2020)	Guide to Classification and Labeling of Compressed Gases	IFC							

CGA P-20-~~2009~~ 2023	Standard for Classification of Toxic Mixtures	IFC							
CGA P-23-~~2008~~ 2015	Standard for Categorizing Gas Mixtures Containing Flammable and Nonflammable Components	IFC							
CGA P-1-~~(2015)~~ 2022	Standard for Safe Handling of Compressed Gases in Containers	IFC							
CGA S-1.1-~~(2019)~~ 2022	Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases	IFC	IFGC						
CGA S-1.2-~~(2019)~~ (2024)	Pressure Relief Device Standards—Part 2—Portable Containers for Compressed Gases	IFC	IFGC						
S-1.3-~~(2020)~~ 2024	Pressure Relief Device Standards—Part 3— Stationary Storage Containers for Compressed Gases	IFC	IFGC						
CGA V-1-~~(2021)~~ (2023)	Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections	IFC							
CPA	**Composite Panel Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI A208.1-~~2016~~ 2022	Particleboard	IBC	IRC						
CRRC	**Cooling Roof Rating Council;**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/CRRC-S100-~~2021~~ 2025	Standard Test Methods for Determining Radiative Properties of Materials	IECC	IRC						
CSA	**Canadian Standards Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							

A257.1-~~19~~ 24	Non-reinforced ~~Circular~~ circular ~~Concrete~~ concrete ~~Culvert~~ culvert, ~~Storm~~ storm ~~Drain~~ drain, ~~Sewer~~ sewer ~~Pipe~~ pipe and ~~Fittings~~ fittings	IPC							
A257.2-~~19~~ 24	Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings	IPC	IPSDC	IRC					
A257.3-~~19~~ 24	Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets	IPC	IPSDC	IRC					
AAMA/WDMA/CSA 101/I.S.2/A440-22	North American Fenestration Standard/Specification for Windows, Doors and Skylights	IBC	IECC	IRC					
ANSI Z21.69-2015 ~~(R2020)~~(R2025)/CSA 6.16-15~~(R2020)~~ (R2025)	Connectors for ~~Moveable~~ moveable ~~Gas~~ gas ~~Appliances~~ appliances	IFC							
ANSI Z83.26-~~2014~~ 20/CSA 2.37-~~14~~ 20	Gas-Fired Outdoor Infrared Patio Heaters	IFC							
ANSI/CSA/IGSHPA C448 Series-16(R2021)	Design and Installation of Ground Source Heat Pump Systems for Commercial and Residential Buildings	IMC	IRC						
ASME A112.3.4-2018/CSA B45.9-18~~(R2023)~~ (R2022)	Macerating Toilet Systems and Waste Pumping Systems for Plumbing Fixtures	IRC							
ASME A112.18.1-2023/CSA B125.1-~~23~~ 24	Plumbing Supply Fittings	IPC	IRC						
ASME A112.18.2-2023/CSA B125.2-~~23~~ 20	Plumbing Waste Fittings	IPC	IRC						
ASME A112.18.6-2021/CSA B125.6-~~21 26~~	Flexible Water Connectors	IPC	IRC						
ASME A112.19.1-2023/CSA B45.2-~~23~~ 24	Enamelled Cast Iron and Enamelled Steel Plumbing Fixtures	IPC	IRC						
ASME A112.19.2-2023/CSA B45.1-~~23~~ 24	Ceramic Plumbing Fixtures	IPC	IRC						

ASME A112.19.5-20<u>22</u>/CSA B45.15-<u>22</u>	Flush Valves and Spuds for Water Closets, Urinals and Tanks	IPC							
ASSE 1016-~~2020~~ <u>2025</u>/ASME A112.1016-~~2020~~ <u>2025</u>/CSA B125.16-~~20~~ <u>25</u>	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	IPC	IRC						
ASSE 1037-~~2020~~ <u>2025</u>/ASME A112.1037-~~2020~~ <u>2025</u>/CSA B125.37-~~20~~ <u>25</u>	Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures	IPC							
ASSE 1070-2020/ASME A112.1070-2020/CSA B125.~~10~~70-20	Performance Requirements for Water Temperature Limiting Devices	IPC							
B55.1-~~20~~ <u>25</u>	Test Method for Measuring Efficiency and Pressure Loss of Drain Water Heat Recovery Units	IRC							
B55.2-~~20~~ <u>25</u>	Drain Water Heat Recovery Units	IRC							
B64.1.1-~~21~~ <u>26</u>	Vacuum Breakers, Atmospheric Type (AVB)	IRC							
B64.1.2-~~21~~ <u>26</u>	Pressure Vacuum Breakers (PVB)	IRC							
B64.1.3-~~21~~ <u>26</u>	Spill Resistant Pressure Vacuum Breakers (SRPVB)	IRC							
B64.2-~~21~~ <u>26</u>	Vacuum Breakers, Hose Connection Type (HCVB)	IRC							
B64.2.1-~~21~~ <u>26</u>	Hose Connection Vacuum Breakers (HCVB) with Manual Draining Feature	IPC	IRC						
B64.2.1.1-~~21~~ <u>26</u>	Hose Connection Dual Check Vacuum Breakers (HCDVB)	IPC	IRC						
B64.2.2-~~21~~ <u>26</u>	Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature	IPC	IRC						

B64.3-~~21~~ 26	Dual Check Backflow Preventers with Atmospheric Port (DCAP)	IRC							
B64.4-~~21~~ 26	Reduced Pressure Principle (RP) Backflow Preventers	IRC							
B64.4.1-~~21~~ 26	Reduced Pressure Principle Backflow Preventers for Fire Protection Systems (RPF)	IRC							
B64.5-~~21~~ 26	Double Check Backflow Preventers (DCVA)	IRC							
B64.5.1-~~21~~ 26	Double Check Valve Backflow Preventers for Fire Protection Systems (DCVAF)	IRC							
B64.5.1-21	Double Check Valve Backflow Preventers for Fire Protection Systems (DCVAF)	IPC							
B64.6-~~21~~ 26	Dual Check Valve (DuC) Backflow Preventers	IRC							
B64.7-~~21~~ 26	Laboratory Faucet Vacuum Breakers (LFVB)	IRC							
B64.10-~~17~~ 23	Selection and Installation of Backflow Preventers	IPC							
B64.10.1-~~17~~ 23	Maintenance and Field Testing of Backflow Preventers	IPC							
B79-08(R2018)	Commercial and Residential Drains and Cleanouts	IPC							
B125.3-~~23~~ 22	Plumbing Fittings	IRC							
B137.1-~~23~~ 26	Polyethylene (PE) Pipe, Tubing and Fittings for Cold-water Pressure Services	IMC	IRC						
B137.2-~~23~~ 26	Polyvinylchloride (PVC) Injection-moulded Gasketed Fittings for Pressure Applications	IMC	IRC	ISPSC					

B137.3-~~23~~ 26	Rigid Polyvinylchloride (PVC) Pipe and Fittings for Pressure Applications	IMC	IPSDC	IRC	ISPSC				
B137.5-~~23~~ 26	Crosslinked Polyethylene (PEX) Tubing Systems for Pressure Applications	IMC	IRC						
B137.6-~~23~~ 26	Chlorinated Polyvinylchloride (CPVC) Pipe, Tubing and Fittings for Hot- and Cold- water Distribution Systems	IMC	IRC	ISPSC					
B137.9-~~23~~ 26	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-pipe Systems	IMC	IRC						
B137.10-~~23~~ 26	Crosslinked Polyethylene/Aluminum/Cross linked Polyethylene (PEX-AL- PEX) Composite Pressure- pipe Systems	IMC	IRC						
B137.11-~~23~~ 26	Polypropylene (PP-R & PP-RCT) Pipe and Fittings for Pressure Applications	IMC	IRC						
B137.18-~~23~~ 26	Polyethylene of Raised Temperature Resistance (PE- RT) Tubing Systems for Pressure Applications	IMC	IRC						
B181.1-~~21~~ 24	Acrylonitrile-butadiene-styrene (ABS) Drain, Waste, and Vent Pipe and Pipe Fittings	IPSDC	IRC						
B181.2-~~21~~ 24	Polyvinylchloride PVC and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings	IPC							
B181.3-~~21~~ 24	Polyolefin and Polyvinylidene Fluoride (PVDF) Laboratory Drainage Systems	IRC							
B181.3-21	Polyolefin and Polyvinylidene Fluoride (PVDF) Laboratory Drainage Systems	IPC							

B182.1-~~21~~ 24	Plastic Drain and Sewer Pipe and Pipe Fittings	IPSDC	IRC						
B182.2-~~21~~ 24	PSM type Polyvinylchloride(PVC) Sewer Pipe and Fittings	IPSDC	IRC						
B182.4-~~21~~ 24	Profile Polyvinylchloride PVC Sewer Pipe and Fittings	IPC							
B182.6-~~21~~ 24	Profile Polyethylene (PE) Sewer Pipe and Fittings for Leak-Proof Sewer Applications	IRC							
B182.8-~~21~~ 24	Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings	IRC							
B182.13-~~18~~ 24	Profile Polypropylene (PP) Sewer Pipe and Fittings for Leak-proof Sewer Applications	IPC							
ASSE 1003-23/CSA B356-~~10(R2020)~~ :23	Water Pressure Reducing Valves for Domestic Water Systems	IPC	IRC						
C22.2 No. 108-14~~(R2019)~~ (R2024)	Liquid Pumps	ISPSC							
C22.2 No. 218.1-13 ~~(2017)~~ (R2022)	Spas, Hot Tubs and Associated Equipment	ISPSC							
CAN/CSA-C439-~~18~~ 24	Laboratory methods of test for rating the performance of heat/energy-recovery ventilators	ICCPC	IECC	IRC					
CSA P.4.1-~~21~~ 24	Testing Method for Measuring Fireplace Efficiency	IECC							
CSA/ANSI FC1-21/CSA C22.2 No. 62282-3-100-21	Fuel Cell Technologies—Part 3-100: Stationary Fuel Cell Power Systems—Safety	IFGC							
CSA/ANSI NGV 5.1-~~22~~ 23	Residential Fueling Appliances (RFA)	IFC	IFGC						

CSA/ANSI NGV 5.2-~~2022~~ 23	Vehicle Fueling Appliances (VFA)	IFC							
AAMA/WDMA/CSA 101/I.S.2/A440—~~22~~ 26	North American Fenestration Standard/Specification for Windows, Doors, and Skylights	IRC	IECC						
DHA	**Decorative Hardwoods Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/HPVA HP-1-~~2022~~ 2024	American National Standard for Hardwood and Decorative Plywood	IBC	IRC						
DOC	**U.S. Department of Commerce**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
PS 20-~~20~~ 25	American Softwood Lumber Standard	IBC	IRC						
DOL	**U.S. Department of Labor**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
29 CFR Part 1910.1200 (~~2015~~) 2024	Hazard Communication	IFC							
FEMA	**Federal Emergency Management Agency**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
FEMA P646-~~12~~ 19	Guidelines for Design of Structures for Vertical Evacuation from Tsunamis, Third Edition	IBC							
FEMA TB-2-~~23~~ 25	Flood Damage-resistant Materials Requirements for Buildings Located in Special Flood Hazard Areas	IRC							
FEMA TB-11-~~23~~ 01	Crawlspace Construction for Buildings Located in Special Flood Hazard Area	IRC							

FGIA	Fenestration & Glazing Industry Alliance (formerly American Architectural Manufacturers Association)								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
506-~~16~~ 23	~~Voluntary~~ Specifications for Impact and Cycle Testing of Fenestration Products	IRC							
711-~~22~~ 26	Specification for Self-Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	IRC							
712-~~23~~ 26	~~Voluntary~~ Specification for Mechanically Attached Flexible Flashing	IRC							
714-~~23~~ 26	~~Voluntary~~ Specification for Liquid-Applied Flashing Used to Create a Water-Resistive Seal around Exterior Wall Openings in Buildings	IRC							
AAMA/WDMA/CSA 101/I.S.2/A440-~~22~~ 26	North American Fenestration Standard/Specification for Windows, Doors, and Skylights	IECC	IRC						
FM	**FM Approvals**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
4430-~~2012~~ August 2022	~~Approval~~ Examination Standard for Heat and Smoke Vents	IBC	IFC						
~~4450-(1989)~~ 4470-April 2022	~~Approval Standard for Class 1 Insulated Steel Deck Roofs – with Supplements through July 1992~~ Examination Standard for Single-ply Polymer-Modified Bitumen Sheet, Built-Up Roof (BUR) and Liquid Applied Roof Assemblies for Use in Class 1 and Noncombustible Roof Deck Construction	IBC							

4470-~~2016~~ April 2022	~~Approval Standard for Single- ply Polymer-modified Bitumen Sheet, Built-up Roof (BUR) and Liquid Applied Roof Assemblies for Use in Class 1 and Noncombustible Roof Deck Construction~~ Examination Standard for Single-ply Polymer-Modified Bitumen Sheet, Built-Up Roof (BUR) and Liquid Applied Roof Assemblies for Use for Class 1 and Noncombustible Roof Deck Construction	IBC							
ANSI/FM 4880-~~2017~~ 2024	American National Standard for Evaluating the Fire Performance of Insulated Building Panel Assemblies and Interior Finish Materials	IBC	IRC						
ANSI/FM 4996-~~2019~~	Approval National Standard for Classification of Pallets and Other Material Handling Products as Equivalent to Wood Pallets	IFC							

GA Gypsum Association

Standard Reference Number	Title	Referenced in Code(s):							
GA-216-~~2021~~ 2024	Application and Finishing of Gypsum Panel Products	IBC							
GA-253-~~2021~~ 2024	Application of Gypsum Sheathing	IBC	IRC						
GA-600-~~2021~~ 2024	Fire-resistance and Sound Control Design Manual, 23rd Edition	IBC							

HVI Home Ventilating Institute

Standard Reference Number	Title	Referenced in Code(s):							
916-~~18~~ 25	Airflow Test Procedure	IRC							

IAPMO	International Association of Plumbing and Mechanical Officials;								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
CSA B45.5-22/IAPMO Z124-2022e1	Plastic Plumbing Fixtures	IRC							
IAPMO Z124.7-2013 (R2023)	Prefabricated Plastic Spa Shells	ISPSC							
IAPMO/ANSI Z1157-2014e1~~(R2019)~~ (R2024)	Ball Valves	IPC							
IES	**Illuminating Engineering Society**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/IES RP-6-~~2020~~ 22	Recommended Practice: Lighting Sports and Recreational Areas	ICCPC	IECC						
ANSI/IES RP-8-~~2021~~ 22	Recommended Practice: Lighting Roadway and Parking Facilities	ICCPC	IECC						
IIAR	**International Institute of Ammonia Refrigeration**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/IIAR 2-~~2021~~ 2026	Safe Design of Closed-circuit Ammonia Refrigeration Systems	IFC	IMC						
ANSI/IIAR 3-~~2017~~ 2022	Ammonia Refrigeration Valves	IMC							
ANSI/IIAR 4-~~2020~~ 2026	Installation of Closed-circuit Ammonia Refrigeration Systems	IMC							
ANSI/IIAR 5-~~2019~~ 2025	Startup of Closed-circuit Ammonia Refrigeration Systems	IMC							

ANSI/IIAR 6-~~2019~~ 2025	Inspection, Testing, and Maintenance of Closed-Circuit Ammonia Refrigeration Systems	IFC	IMC						
ANSI/IIAR 7-~~2019~~ 2025	Developing Operating Procedures for Closed-Circuit Ammonia Refrigeration Systems	IFC							
ANSI/IIAR 8-~~2020~~ 2026	Decommissioning of Closed-Circuit Ammonia Refrigeration Systems	IFC							
ANSI/IIAR 9 -2020, Addendum A-2024	Minimum System Safety Requirements for Existing Closed-Circuit Ammonia Refrigeration Systems	IFC							
ANSI/IIAR CO2-~~2021~~ 2026	Safety Standard for Closed-Circuit Carbon Dioxide Refrigeration Systems	IMC							
IKECA	**International Kitchen Exhaust Cleaning Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/IKECA C10-~~2021~~ 2025	Standard for the Methodology for Cleaning Commercial Kitchen Exhaust Systems	IFC							
MHI	**Material Handling Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI MH16.1-~~2021~~ 2023	Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks	IBC							
MSS	**Manufacturers Standardization Society of the Valve and Fittings Industry**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							

SP 58-~~2023~~ 2025	Pipe Hangers and Supports—Materials Design and Manufacture, Selection, Application and Installation	IMC							
SP-42-~~2022~~ 2025	Corrosion Resistant Gate, Globe, Angle and Check Valves with Flanged and Butt Weld Ends (Classes 150, 300 & 600)	IRC							
SP-67-~~2022~~ 2027	Butterfly Valves	IPC	IRC						
SP-70-~~2023~~ 2025	Gray Iron Gate Valves, Flanged and Threaded Ends	IPC	IRC						
SP-71-~~2011~~ 2025	Gray Iron Swing Check Valves, Flanged and Threaded Ends	IPC							
SP-72-~~2023~~ 2025	~~Ball Valves with Flanged or~~ Butt-welding Ends for General Service	IPC	IRC						
SP-78-~~2023~~ 2025	Cast Iron Plug Valves, Flanged and Threaded Ends	IPC	IRC						
SP-80-~~2019~~ 2025	Bronze Gate, Globe, Angle and Check Valves	IPC	IRC						
SP-110-~~2023~~ 2026	Ball Valves, Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends ~~(incl. a 2010 Errata Sheet)~~	IRC							
SP-122-~~2023~~ 2025	Plastic Industrial Ball Valves	IRC							
SP-139-~~2022~~ 2026	Copper Alloy Gate, Globe, Angle and Check Valves for Low Pressure/Low Temperature Plumbing Applications	IPC	IRC						
NFPA	**National Fire Protection Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
2-~~23~~ 26	Hydrogen Technologies Code	IFC	IFGC	IMC					

04-~~24~~ 27	Standard for Integrated Fire Protection and Life Safety System Testing	IBC	IFC						
10-~~22~~ 26	Standard for Portable Fire Extinguishers	IBC	IFC	IPMC					
11-~~21~~ 24	Standard for Low-, Medium-, and High-Expansion Foam	IBC	IFC						
12-~~22~~ 25	Standard on Carbon Dioxide Extinguishing Systems	IBC	IPMC						
12A-~~22~~ 25	Standard on Halon 1301 Fire Extinguishing Systems	IBC	IFC	IPMC					
13-~~22~~ 25	Standard for the Installation of Sprinkler Systems	IBC	IFC	IRC					
13D-~~22~~ 25	Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	IBC	IFC	IRC					
13R-~~22~~ 25	Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies	IBC	IEBC	IFC	IRC				
14-~~22~~ 24	Standard for the Installation of Standpipe and Hose Systems	IBC	IFC						
15-~~22~~ 27	Standard for Water Spray Fixed Systems for Fire Protection	IFC							
17-~~21~~ 27	Standard for Dry Chemical Extinguishing Systems	IBC	IFC	IPMC					
17A-~~21~~ 27	Standard for Wet Chemical Extinguishing Systems	IBC	IFC	IPMC					
20-~~22~~ 25	Standard for the Installation of Stationary Pumps for Fire Protection	IBC	IFC						
24-~~22~~ 25	Standard for Installation of Private Fire Service Mains and Their Appurtenances	IFC							

25-~~23~~ 26	Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems	IFC	IPMC						
30-~~24~~ 27	Flammable and Combustible Liquids Code	IBC	IFC						
30A-~~24~~ 27	Code for Motor Fuel Dispensing Facilities and Repair Garages	IBC	IFC	IFGC	IMC				
30B-~~23~~ 27	Code for the Manufacture and Storage of Aerosol Products	IFC							
31-~~20~~ 24	Standard for the Installation of Oil-Burning Equipment	IBC	IFC	IMC	IRC				
32-~~21~~ 26	Standard for Drycleaning Facilities	IBC	IFC						
33-~~21~~ 24	Standard for Spray Application Using Flammable or Combustible Materials	IFC							
34-~~21~~ 24	Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids	IFC							
35-~~21~~ 26	Standard for the Manufacture of Organic Coatings	IFC							
37-~~21~~ 24	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines	IFGC	IMC						
40-~~22~~ 25	Standard for the Storage and Handling of Cellulose Nitrate Film	IBC	IFC						
45-~~23~~ 24	Standard on Fire Protection for Laboratories Using Chemicals	IBC	IFC						
52-~~22~~ 26	Vehicular Natural Gas Fuel System Code	IFC							

55-~~23~~ 26	Compressed Gases and Cryogenic Fluids Code	IFC	IPC						
56-~~23~~ 26	Standard for Fire and Explosion Prevention during Cleaning and Purging of Flammable Gas Piping Systems	IFC							
58-~~23~~ 24	Liquefied Petroleum Gas Code	IBC	IFC	IFGC	IMC	IRC			
59A-~~22~~ 26	Standard for the Production, Storage, and Handling of Liquefied Natural Gas (LNG)	IFC							
~~61-20~~ 660-25	Standard for ~~the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities~~ Combustible Dusts	IBC	IFC						
69-~~19~~ 24	Standard on Explosion Prevention Systems	IFC	IMC						
70-~~23~~ 26	National Electrical Code	IBC	IECC	IFC	IFGC	IMC	IPMC	IRC	ISPSC
		IWUIC							
72-~~22~~ 25	National Fire Alarm and Signaling Code	IBC	IEBC	IMC	IPMC	IRC			
76-~~20~~ 24	Standard for the Fire Protection of Telecommunications Facilities	IFC							
80-~~22~~ 25	Standard for Fire Doors and Other Opening Protectives	IBC	IEBC	IFGC	IMC	IPMC			
82-~~19~~ 24	Incinerators and Waste and Linen Handling Systems and Equipment	IBC	IFGC	IMC					
86-~~23~~ 27	Standard for Ovens and Furnaces	IFC							
88A-~~23~~ 27	Standard for Parking Structures	IFGC							

91-~~20~~ 26	Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids	IMC							
92-~~21~~ 24	Standard for Smoke Control Systems	IBC	IFC	IMC					
96-~~24~~ 27	Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations	IFC	IMC						
99-24	Health Care Facilities Code	IBC	IMC						
99-~~24~~ 27	Health Care Facilities Code	IBC	IEBC	IFC	IMC	IPC			
101-~~24~~ 27	Life Safety Code	IBC	IEBC	IFC					
105-~~22~~ 25	Standard for Smoke Door Assemblies and Other Opening Protectives	IBC	IFC	IMC	IPMC				
110-~~22~~ 25	Standard for Emergency and Standby Power Systems	IBC	IECC	IFC					
111-~~22~~ 25	Standard on Stored Electrical Energy Emergency and Standby Power Systems	IBC	IFC						
120-~~20~~ 23	Standard for Fire Prevention and Control in Coal Mines	IBC	IFC						
160-~~21~~ 26	Standard for the Use of Flame Effects Before an Audience	IFC							
170-~~21~~ 24	Standard for Fire Safety and Emergency Symbols	IBC	IFC						
204-~~21~~ 24	Standard for Smoke and Heat Venting	IFC	IPMC						
211-~~22~~ 27	Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances	IBC	IFGC	IMC	IRC				
221-~~24~~ 27	Standard for High Challenge Fire Walls, Fire Walls and Fire Barrier Walls	IBC							

232-~~22~~ 26	Standard for the Protection of Records	IFC							
241-~~22~~ 27	Standard for Safeguarding Construction, Alteration and Demolition Operations	IFC							
285-~~23~~ 25	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components	IBC							
286-~~23~~ 27	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	IBC	IFC	IMC	IRC				
303-~~21~~ 26	Fire Protection Standard for Marinas and Boatyards	IFC							
318-~~22~~ 25	Standard for the Protection of Semiconductor Fabrication Facilities	IFC							
326-~~20~~ 25	Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair	IFC							
400-~~22~~ 25	Hazardous Materials Code	IFC							
407-~~22~~ 27	Standard for Aircraft Fuel Servicing	IFC							
409-~~22~~ 26	Standard on Aircraft Hangars	IBC	IFC	IFGC					
410-~~20~~ 25	Standard on Aircraft Maintenance	IFC							
418-~~21~~ 24	Standard for Heliports and Vertiports	IBC							
~~484-22~~ 660-25	Standard for Combustible ~~Metals~~ Dusts	IBC	IFC						

505-~~23~~ 24	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	IFC							
~~652-19~~ 660-25	Standard ~~on the Fundamentals of Combustible Dust~~ for Combustible Dusts	IBC	IFC						
~~654-20~~ 660-25	Standard for ~~Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids~~ Combustible Dusts	IBC	IFC						
~~655-19~~ 660-25	Standard for ~~the Prevention of Sulfur Fires and Explosions~~ Combustible Dusts	IBC	IFC						
~~664-20~~ 660-25	Standard for ~~the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities~~ Combustible Dusts	IBC	IFC						
703-~~24~~ 27	Standard for Fire Retardant-Treated Wood and Fire-Retardant Coatings for Building Materials	IFC							
704-~~22~~ 27	Standard System for the Identification of the Hazards of Materials for Emergency Response	IBC	IFC	IMC					
750-~~23~~ 27	Standard on Water Mist Fire Protection Systems	IBC	IFC	IPMC					
770-~~21~~ 26	Standard on Hybrid (Water and Inert Gas) Fire-Extinguishing Systems	IBC	IFC						
780-~~20~~ 26	Standard for the Installation of Lightning Protection Systems	IBC	IFC						
853-~~20~~ 25	Standard for the Installation of Stationary Fuel Cell Power Systems	IFC	IFGC	IMC	IRC				

855-~~20~~ 26	Standard for the Installation of Stationary Energy Storage Systems	IFC							
1122-~~18~~ 26	Code for Model Rocketry	IFC							
1123-~~22~~ 26	Code for Fireworks Display	IFC							
1124-~~06~~ 26	Code for the Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles	IFC							
1125-~~22~~ 26	Code for the Manufacture of Model Rocket and High-Power Rocket Motors	IFC							
1126-~~21~~ 26	Standard for the Use of Pyrotechnics Before a Proximate Audience	IFC							
1127-~~18~~ 26	Code for High-Power Rocketry	IFC							
1142-~~22~~ 27	Standard on Water Supplies for Suburban and Rural Firefighting	IFC							
1225-~~22~~ 27	Standard for Emergency Services Communications	IFC							
2001-~~22~~ 25	Standard on Clean Agent Fire Extinguishing Systems	IBC	IFC	IPMC					
2010-~~20~~ 25	Standard for Fixed Aerosol Fire-Extinguishing Systems	IBC	IFC						
NFPA ~~1901-16~~ 1900-24	Standard for Aircraft Rescue and Firefighting Vehicles, Automotive Fire Apparatus, Wildland Fire Apparatus, and Automotive Ambulances	IFC							
NFPA ~~1989-13~~ 1985-26	Proposed Breathing Air Quality for Fire Emergency Services Respiratory Protection and Respirators for Wildland Firefighting	IFC							

NSF	NSF International								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
NSF/ANSI 3-~~2019~~ 2023	Commercial Warewashing Equipment	IPC							
NSF/ANSI 14-~~2020~~ 2023	Plastic Piping System Components and Related Materials	IPC	IRC						
NSF/ANSI 18-~~2020~~ 2023	Manual Food and Beverage Dispensing Equipment	IPC							
NSF/ANSI 40-~~2020~~ 2023	Residential Wastewater Treatment Systems	IPSDC							
NSF/ANSI 41-~~2018~~ 2023	Nonliquid Saturated Treatment Systems (Composting Toilets)	IPSDC	IRC						
NSF/ANSI 42-~~2021~~ 2023	Drinking Water Treatment Units-Aesthetic Effects	IPC	IRC						
NSF/ANSI 44-~~2017~~ 2024	Residential Cation Exchange Water Softeners	IPC	IRC						
NSF/ANSI 50-~~2020~~ 2024	Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Facilities	IPC							
NSF/ANSI 53-~~2020~~ 2023	Drinking Water Treatment Units—Health Effects	IPC							
NSF/ANSI 58-~~2020~~ 2023	Reverse Osmosis Drinking Water Treatment Systems	IPC	IRC						
NSF/ANSI/CAN 61-~~2020~~ 2024	Drinking Water System Components—Health Effects	IPC	IRC						
NSF/ANSI 62-~~2021~~ 2023	Drinking Water Distillation Systems	IPC	IRC						
NSF/ANSI 350-~~2020~~ 2023	Onsite Residential and Commercial Water Reuse Treatment Systems	IPC	IRC						

NSF/ANSI 358-1-~~2021~~ 2022	Polyethylene Pipe and Fittings for Water-based Ground- source "Geothermal" Heat Pump Systems	IMC	IRC						
NSF/ANSI 358-2-~~2017~~ 2022	Polypropylene Pipe and Fittings for Water-based Ground-source "Geothermal" Heat Pump Systems	IMC	IRC						
NSF/ANSI 358-4-~~2018~~ 2022	Polyethylene of Raised Temperature (PE-RT) Pipe and Fittings for Water-based Ground-source (Geothermal) Heat Pump Systems	IMC	IRC						
NSF/ANSI 359-~~2018~~ 2022	Valves for Crosslinked Polyethylene (PEX) Water Distribution Tubing Systems	IPC	IRC						
NSF/ANSI 372-~~2020~~ 2022	Drinking Water Systems Components—Lead Content	IPC	IRC						
PCI	**Precast Prestressed Concrete Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
PCI 124-~~18~~ 23	Specification for Fire Resistance of Precast ~~/~~ and Precast, Prestressed Concrete	IBC							
PCI 128-~~19~~ 24	Specification for Glass-Fiber-Reinforced Concrete Panels	IBC							
PHTA	**Pool & Hot Tub Alliance (formerly The Association of Pool & Spa Professionals);**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/PHTA/ICC 10-~~2021~~ 2026	American National Standard for Elevated Pools, ~~and~~ Spas and Other Aquatic Venues Integrated into a Building or Structure	ISPSC							
ANSI/APSP/ICC-13 ~~2017~~ 2025	American National Standard for	ISPSC							

	Water Conservation Efficiency in Residential and Public Pools, Spas, Portable Spas								
PLIB	**Pacific Lumber Inspection Bureau (formerly WCLIB and AITC)**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
AITC 200-~~20~~ 24	Manufacturing Quality Control Systems Manual for Structural Glued Laminated Timber	IBC							
PTI	**Post-Tensioning Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
PTI DC10.5-~~19~~ 24	Standard Requirements for Design and Analysis of Shallow ~~Post-Tensioned~~ Concrete Foundations on Expansive and Stable Soils	IBC	IRC						
RESNET	**Residential Energy Services Network, Inc.**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/RESNET/ICC 301-~~2022~~ 2025	Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index~~--includes Addendum A Approved July 28, 2022; and Addendum B Approved October 12, 2022~~	IECC	IRC						
ANSI/RESNET/ICC 380-~~2022~~ 2025	Standard for Testing Airtightness of Building, Dwelling Unit, and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems	IECC	IRC						
RMI	**Rack Manufacturers Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							

ANSI MH16.1-~~2021~~ 2023	Design, Testing and Utilization of Industrial Storage Racks	IBC							

ANSI MH16.3-~~2021~~ 2025	Specification for the Design, Testing and Utilization of Industrial Steel Cantilevered Storage Racks	IBC							

SBCA Structural Building Components Association

Standard Reference Number	Title	Referenced in Code(s):							
BCSI-2018	Building Component Safety Information—Guide to Good Practice for Handling, Installing, Restraining & Bracing of Structural Building Components	IRC							
CFS-BCSI-~~(updated June 2016)~~ updated June 2019	~~Cold-formed Steel~~ Building Component Safety Information ~~(CFSBCSI)~~ —Guide to Good Practice for Handling, Installing & Bracing of Cold- formed Steel Trusses	IRC							

SDI Steel Deck Institute

Standard Reference Number	Title	Referenced in Code(s):							
ANSI/SDI SD-2022 w/S1-26	Standard for Steel Deck	IBC							
SDI ~~AISI~~ S100-~~16 (2020) w/S2- 20~~ 24	North American Specification for the Design of Cold-Formed Steel Structural Members, ~~2016~~ 2024 Edition ~~(Reaffirmed 2020), with Supplement 2, 2020 Edition~~	IBC	IRC						
SDI ~~AISI~~ S310 ~~20 w/S1 22~~ 23	North American Standard for the Design of Profiled Steel Diaphragm Panels, ~~with Supplement 1, 2022~~ 2023 Edition	IBC	IRC						

SFIA	Steel Framing Industry Association								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
SFIA ~~AISI~~ S202-~~20~~ 26	Code of Standard Practice for Cold-formed Steel Structural Framing, ~~2020~~ 2026 Edition	IBC							
SFIA ~~AISI~~ S220-~~20~~ 26	North American Standard for Cold-Formed Steel Nonstructural Framing,2026 Edition	IBC	IFGC	IMC	IPC	IRC			
SFIA ~~AISI~~ S230-~~19~~ 26	North American Standard for Cold-Formed Steel Framing—Prescriptive Method for One and Two Family Dwellings, ~~2019~~ 2026 Edition	IBC	IRC						
SFIA ~~AISI~~ S240-~~20~~ 26	North American Standard for Cold-Formed Steel Structural Framing, ~~2020~~ 2026	IBC	IFGC	IMC	IRC				
SFIA ~~AISI~~ S250-~~22~~ 26	North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing, with Supplement 1, ~~dated~~ ~~2022~~ 2026 Edition	IRC							
SFIA ~~AISI~~ S400-~~20~~ 26	North American Standard for Seismic Design of Cold-formed Steel Structural Systems, ~~2020~~ 2026 Edition	IBC	IRC						
SJI	**Steel Joist Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
SJI 100-~~2020~~ 2026	Standard Specification for K-Series, LH-Series, and DLH-Series Open Web Steel Joists and for Joist Girders	IBC							
SJI 200-~~2015~~ 2026	Standard Specification for CJ-Series Composite Steel Joists	IBC							
SMACNA	**Sheet Metal and Air Conditioning Contractors' National Association, Inc.**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/SMACNA 1st Edition 2015	Phenolic Duct Construction	IMC							

	Standards ~~(ANSI/SMACNA 022—2015)~~ 1st edition								
ANSI/SMACNA 2nd Edition - 2011	Rectangular Industrial Duct Construction Standards ~~(ANSI/SMACNA 002—2011)~~ 2nd edition	IMC							
ANSI/SMACNA 3rd Edition 2013	Round Industrial Duct Construction Standards ~~(ANSI/SMACNA 005—2013~~ 3rd edition	IMC							
ANSI/SMACNA ~~006-2020~~ 4th edition - 2020	HVAC Duct Construction Standards—Metal and Flexible, 4th Edition	IFGC	IMC	IRC					
ANSI/SMACNA 016, 2nd edition-2012	HVAC Air Duct Leakage Test Manual ~~Second~~ 2nd Edition ~~(ANSI/SMACNA 016—2012)~~	IECC							
SPRI	**Single-Ply Roofing Industry**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/SPRI RP-4-~~2019~~ 2022	Wind Design Standard for Ballasted Single-ply Roofing Systems	IBC							
ANSI/SPRI VF-1-~~2021~~ 2023	External Fire Design Standard for Vegetative Roofs	IBC							
ANSI/SPRI/FM 4435/ES-1-~~2017~~ 2022	Test Standard for Edge Systems Used with Low Slope Roofing Systems	IBC							
TMS	**The Masonry Society**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
302—~~2018~~ 25	Standard ~~Method~~ for Determining the Sound Transmission Class Ratings for Masonry Assemblies	IBC	IRC						
UL	**UL LLC**								

Standard Reference Number	Title	Referenced in Code(s):							
9-2009	Fire Tests of Window Assemblies—with Revisions through ~~March 2020~~ October 2024	IBC							
10A-2009	Tin Clad Fire Doors—with Revisions through ~~July 20, 2018~~ March 2022	IBC							
10B-2008	Fire Tests of Door Assemblies —with Revisions through ~~May 2020~~ October 2024	IBC							
10D-2017	Fire Tests of Fire-Protective Curtain Assemblies-With Revisions through July 2022	IBC							
30-~~1995~~ 2022	Metallic and Nonmetallic ~~Metal~~ Safety Cans for Flammable and Combustible Liquids~~—with Revisions through September 2019~~	IFC							
55A-2004	Materials for Built-up Roof Coverings-With Revisions through April 2016	IBC	IRC						
70-2001	Septic Tanks, Bituminous-coated Metal-With Revisions through December 2006	IPSDC							
80-2007	Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids—with Revisions through October 2024	IFC	IRC						
87A-2015	Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent~~—with Revisions through September 2019~~ (E0 - E85)	IFC							

96A-~~2016~~ 2023	~~Standard for~~ Installation Requirements for Lightning Protection Systems	IBC							
127-~~2011~~ 2024	~~Standard for~~ Factory-Built Fireplaces~~—with Revisions through February 2020~~	IBC	IECC	IFGC	IMC	IRC			
142-~~2006~~ 2019	Steel Aboveground Tanks for Flammable and Combustible Liquids—with Revisions through January 2021	IFC							
174-2004	Household Electric Storage Tank Water Heaters—with Revisions through ~~October 2021~~ November 2024	IMC	IRC						
180-2019	~~Liquid-level Indicating Gauges for Oil Burner Fuels and Other Combustible Liquids~~ Combustible Liquid Tank Accessories—with Revisions through ~~August 2021~~ February 2023	IMC	IRC						
181-2013	Factory-Made Air Ducts and Air Connectors and Air Connectors-With Revisions through December 2021	IMC	IRC						
181A-2013	Closure Systems for Use with Rigid Air Ducts and Air Connectors—with Revisions through ~~March 2017~~ December 2021	IMC	IRC						

181B-2013	Closure Systems for Use with Flexible Air Ducts and Air Connectors—with Revisions through ~~March 2017~~ December 2021	IMC	IRC						
197-2010	Commercial Electric Cooking Appliances—with Revisions through ~~January 2018~~ April 2023	IMC							

199E-2004	Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers-With Revisions through January 2014	IBC	IFC						
207-~~2009~~ 2022	Refrigerant-containing Components and Accessories, Nonelectrical~~— with Revisions through January 2020~~	IMC							
217-~~2015~~ 2024	Smoke Alarms—with Revisions through ~~April 2021~~ November 2024	IBC	IFC	IRC					
263-2011	Fire Tests of Building Construction and Materials— with Revisions through ~~August 2021~~ March 2022	IBC	IMC	IRC	IWUIC				
268-~~2016~~ 2024	Smoke Detectors for Fire Alarm Systems~~—with Revisions through October 2019~~	IBC	IFC	IMC	IPMC	IRC			
268A-2008	Smoke Detectors for Duct Application—with Revisions through August ~~2020~~ 2023	IMC							
294-~~2018~~ 2023	Access Control System Units—~~with Revisions through October 2018~~	IBC	IFC						
300-2019	Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment-With Revisions through April 2024	IBC	IFC						

300A-2006	Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces-With Revisions through January 2014	IBC	IFC						
305-2012	Panic Hardware—with	IBC	IFC						

	Revisions through March ~~2017~~ 2022								
325-2017	Door, Drapery, Gate, Louver and Window Operators and Systems—with Revisions through February ~~2020~~ 2023	IBC	IFC	IRC					
343-2008	Pumps for Oil-burning Appliances—with Revisions through ~~December 2017~~ March 2024	IMC	IRC						
372-2007	Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Burner Ignition Systems and Components—with revisions through ~~June 2012~~ January 2013	ISPSC							
378-2006	Draft Equipment—with Revisions through ~~September 2013~~ June 2016	IFGC	IMC	IRC					
391-~~2010~~ 2024	Solid-fuel and Combination- fuel Central and Supplementary Furnaces~~— with Revisions through August 2019~~	IMC							
399-2017	Drinking-Water Coolers—with Revisions through ~~July 2020~~ February 2024	IPC							
412-2011	Refrigeration Unit Coolers— with Revisions through ~~August 2018~~ June 2022	IMC							

427-2011	Standard for Refrigerating Units—with Revisions through ~~February 2014~~ June 2022	IMC							
441-2016	Gas Vents—with Revisions through ~~August 2019~~ April 2024	IFGC	IRC						
467-~~2013~~ 2022		IFGC	IRC						

	Grounding and Bonding Equipment								
471-2010	Commercial Refrigerators and Freezers—with Revisions through ~~September 2019~~ August 2024	IMC							
484 -2014	~~Standard for~~ Room Air Conditioners—with Revisions through ~~May 2019~~ June 2022	IRC							
498A-2008	Current Taps and Adaptors— with Revisions through ~~June 2016~~ October 2021	IFC							
499-2014	~~Standard for~~ Electric Heating Appliances—with Revisions through ~~February 2017~~ May 2023	IFC	IMC						
507-2017	Electric Fans—with Revisions through ~~May 2020~~ August 2024	IMC	IRC						
508-~~2018~~ 2024	Industrial Control Equipment~~—with Revisions through July 2021~~	IMC	IPC	IRC					
580-2006	Test for Uplift Resistance of Roof Assemblies—with Revisions through ~~March 2019~~ April 2024	IBC	IRC						
586-2009	High-efficiency, Particulate, Air Filter Units—with Revisions through ~~December 2017~~ September 2022	IMC							

641-2010	Type L Low-temperature Venting Systems—with Revisions through ~~April 2018~~ October 2022	IBC	IFGC	IMC	IRC				
647-1993	~~Standard for~~ Unvented Kerosene-Fired Room Heaters and Portable Heaters —with Revisions through ~~April 2010~~ June 2016	IFC							

651-2011	Schedule 40 and Schedule 80, Type EB and A Rigid PVC Conduit and Fittings—with Revisions through ~~March 2019~~ May 2022	IFGC	IRC						
705-2017	Power Ventilators—with Revisions through ~~August 2021~~ September 2024	IFGC	IMC	IRC					
710-~~12:~~ 2024	Exhaust Hoods for Commercial Cooking Equipment~~—with Revisions through February 2021~~	ICCPC	IECC	IFC	IMC				
710B-2011	Recirculating Systems—with Revisions through ~~February 2019~~ October 2021	IBC	IFC	IMC					
723-2018	Standard for Surface Burning Characteristics of Building Materials-With Revisions through April 2023	IBC	IFC	IMC	IPC	IRC	IWUIC		
723S-2006	Drop-Out Ceilings Installed Beneath Automatic Sprinklers-with Revisions through April 2016	IBC							
726-1995	Oil-fired Boiler Assemblies— with Revisions through ~~October 2013~~ September 2024	IMC	IRC						
727-~~18:~~2018	Oil-fired Central Furnaces-With Revisions through May 2024	ICCPC	IECC	IMC	IRC				

729-2003	Oil-fired Floor Furnaces—with Revisions through ~~November 2016~~ August 2022	IMC	IRC						
730-2003	Oil-fired Wall Furnaces—with Revisions through ~~November 2016~~ August 2022	IMC	IRC						
731-2018	Oil-fired Unit Heaters-with	IECC	IMC						

	Revisions through November 2021								
732-~~2018~~ 2023	Oil-fired Storage Tank Water Heaters~~— with Revisions through August 2018~~	IMC	IRC						
737-2011	Fireplace Stoves-With Revisions through February 2020	IMC	IRC						
762-2013	Outline of Investigation for Power Ventilators for Restaurant Exhaust Appliances-With Revisions through March 2014	IMC							
790-~~2004~~ 2022	Standard Test Methods for Fire Tests of Roof Coverings~~— with Revisions through October 2018~~	IBC	IFC	IRC	IWUIC				
793-~~2008~~ 2020	Automatically Operated Roof Vents for Smoke and Heat~~— with Revisions through March 2017~~	IBC	IFC						
795-~~2016~~ 2024	Commercial-Industrial Gas Heating Equipment~~ with Revisions through 2020~~	IFGC	IRC						
817-2015	~~Standard for~~ Cord Sets and Power-Supply Cords—with Revisions through ~~September 2021~~ May 2023	IFC							
834-2004	Heating, Water Supply and Power Boilers—Electric—with Revisions through July ~~2019~~ 2024	IMC	IRC						

842-~~2019~~ 2020	Valves for Flammable Fluids	IMC	IRC						
858-2014	Household Electric Ranges— with Revisions through ~~September 2019~~ August 2023	IMC	IRC						
864-~~2014~~ 2023	Control Units and Accessories for	IBC	IFC	IMC					

	Fire Alarm Systems—with Revisions through ~~May 2020~~ October 2024								
867-2011	Electrostatic Air Cleaners— with Revisions through ~~August 2021~~ June 2024	IMC							
875-~~2009~~ 2024	Electric Dry-Bath Heaters— ~~with revisions through January 2021~~	IMC	IRC						
896-1993	Oil-burning Stoves—with Revisions through ~~November 2016~~ August 2022	IMC	IRC						
900-2015	Air Filter Units-With Revisions through August 2022	IFC	IMC						
907-~~2016~~ 2024	Fireplace Accessories	IMC	IRC						
921-2020	~~Standard for~~ Commercial Dishwashers-With Revisions through December 2024	IMC							
923-2013	Microwave Cooking Appliances—with Revisions through ~~August 2020~~ May 2024	IMC	IRC						
924-2016	Standard for Emergency Lighting and Power Equipment—with Revisions through ~~May 2020~~ December 2022	IBC	IFC						
959-2010	Medium Heat Appliance Factory-built Chimneys—with Revisions through ~~August 2019~~ April 2024	IFGC	IMC	IRC					

971A-~~2006~~ 2022	Outline of Investigation for Metallic Underground Fuel Pipe	IFC	IMC						
1026-2012	Household Electric Cooking and Food Serving Appliances —with Revisions through ~~March 2021~~ September 2023	IRC							

1037-2016	Antitheft Alarms and Devices —with Revisions through ~~September 2017~~ August 2023	IFC							
1040-1996	Fire Test of Insulated Wall Construction—with Revisions through ~~April 2017~~ January 2022	IBC	IRC						
1046-2010	Grease Filters for Exhaust Ducts—with Revisions through ~~April 2017~~ June 2022	IFC	IMC						
1256-~~2002~~ 2023	Fire Test of Roof Deck Construction~~—with Revisions through August 2018~~	IBC	IRC						
1261-2016	Electric Water Heaters for Pools and Tubs—with Revisions through ~~September~~ ~~2017~~ August 2022	IMC							
1275-2021	Flammable Liquid Storage Cabinets-with Revisions through June 2024	IFC							
1315-~~2017~~ 2022	Safety Containers for ~~Metal~~ Waste Paper	IFC							
1316-2018	Fibre Reinforced Underground Tanks for Flammable and Combustible Liquids—with Revisions through ~~March 2019~~ May 2024	IFC							
1363-~~2018~~ 2023	Relocatable Power Taps	IFC							

1363A-~~2014~~ 2010	Outline of Investigation for Special Purpose Relocatable Power Taps-With Revision through March 2014	IFC							
1370-~~2011~~ 2024	Unvented Alcohol Fuel Burning Decorative Appliances~~—with Revisions through March 2016~~	IMC							

1389-2019	Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations—with Revisions through ~~October 2020~~ April 2023	IFC							
1453-2016	Electric Booster and Commercial Storage Tank Water Heaters—with Revisions through May ~~2018~~ 2023	IMC							
1479-2015	Fire Tests of Penetration Firestops—with Revisions through ~~May 2021~~ April 2024	IBC	IMC	IRC					
1482-2011	Solid-fuel Type Room Heaters —with Revisions through ~~February 2020~~ June 2022	IBC	IMC	IRC					
1618-2015	Wall Protectors, Floor Protectors and Hearth Extensions—with Revisions through ~~January 2018~~ April 2024	IFGC	IMC	IRC					
1703-2002	Flat-plate Photovoltaic Modules and Panels—with Revisions through ~~November~~ ~~2019~~ May 2024	IBC	IRC						
1715-1997	Fire Test of Interior Finish Material—with Revisions through ~~April 2017~~ January 2022	IBC	IRC						

1738-~~2010~~ 2023	Venting Systems for Gas-Burning Appliances, Categories II, III and IV~~—with Revisions through August 2021~~	IFGC	IRC						
1741-~~2010~~ 2021	Inverters, Converters, Controllers and Interconnection System Equipment for Use with	IBC	IFC	IRC					

	Distributed Energy Resources —with Revisions through ~~June 2021~~ October 2024								
1777-2015	Chimney Liners—with Revisions through April ~~2019~~ 2024	IBC	IFGC	IMC	IRC				
1778-2014	Uninterruptible Power Systems—with Revisions through ~~October 2017~~ April 2024	IFC							
1784-15:	Air Leakage Tests of Door Assemblies—with Revisions through February 2015	ICCPC							
1784-2015	Air Leakage Tests of Door Assemblies and Other Opening Protectives—with Revisions through February ~~2015~~ 2020	IBC	IECC						
1805-2002	Laboratory Hoods and Cabinets—with Revisions through ~~June 2006~~ April 2013	IFC							
1812-2013	Ducted Heat Recovery Ventilators—with Revisions through April ~~2021~~ 2024	IMC							
1815-2012	Nonducted Heat Recovery Ventilators—with Revisions through ~~April 2021~~ January 2024	IMC							

1820-2004	Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics—with Revisions through ~~July 2017~~ September 2021	IMC							
1897-2015	Uplift Tests for Roof Covering Systems—with Revisions through ~~September 2020~~ July 2023	IBC	IRC						

1973-~~2018~~ 2022	ANS/CAN/UL Batteries for Use in Stationary~~, Vehicle~~ and Motive Auxiliary Power ~~and Light Electric Rail (LER)~~ Applications	IFC							
1974-~~2018~~ 2023	Evaluation for Repurposing Batteries	IFC							
1975-2006	Fire Tests for Foamed Plastics Used for Decorative Purpose-With Revisions through September 2012	IBC	IFC						
1978-2010	Grease Ducts—with Revisions through ~~October 2021~~ April 2024	IMC							
1994-2015	Luminous Egress Path Marking Systems—with Revisions through ~~July 2020~~ November 2023	IBC	IFC						
1995-2015	Heating and Cooling Equipment—with Revisions through August ~~2018~~ 2022	IMC	IRC	ISPSC					
1996-2009	Electric Duct Heaters—with Revisions through ~~September 2021~~ August 2022	IMC	IRC						
2011-~~2019~~ 2022	Outline of Investigation for Machinery~~—with Revisions through October 2020~~	IFC							

2017-2008	General-purpose Signaling Devices and Systems—with revisions through ~~December 2016~~ January 2024	IFC	ISPSC						
2021-2015	Fixed and Location-Dedicated Electric Room Heaters—with Revisions through ~~December 2016~~ February 2021	IMC							
2024-2014	Cable Routing Assemblies and	IMC							

	Communications Raceways—with Revisions through ~~August 2015~~ November 2021								
2034-~~2017~~ 2024	Single and Multiple Station Carbon Monoxide Alarms~~—with Revisions through September 2018~~	IBC	IFC	IRC					
2043-~~2013~~ 2023	Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-handling Spaces~~—with Revisions through July 2018~~	IMC							
2075-2013	Gas and Vapor Detectors and Sensors—with Revisions through August ~~2021~~ 2023	IBC	IFC	IMC	IRC				
2079-2015	Tests for Fire Resistance of Building Joint Systems—with Revisions through ~~July 2020~~ June 2024	IBC	IFC						
2152-2021	~~ANSI/CAN/UL/ULC~~ Special Purpose Nonmetallic Containers and Tanks for Specific Combustible or Noncombustible Liquids	IFC							
2158-2021	Electric Clothes Dryers-With Revisions through December 2023	IMC							
2158A-2013	Clothes Dryer Transition Duct—with Revisions through ~~October 2021~~ April 2023	IFGC	IMC	IRC					

2200-2020	Stationary Engine Generator Assemblies-With Revisions through September 2022	IBC	IFC	IFGC	IMC	IRC			
2201-2018	~~Standard for~~ Carbon Monoxide (CO) Emission Rate of Portable Generators-With Revisions through February 2023	IFC							

2202-~~2009~~ 2022	~~Electric Vehicle (EV)~~ DC Charging Equipment for Electric Vehicles ~~System- with revisions through February 2018~~	IBC	ICCPC						
2221-2010	Tests of Fire Resistive Grease Duct Enclosure Assemblies-With Revisions through January 2014	IMC							
2245-2006	Below-Grade Vaults for Flammable Liquid Storage Tanks-With Revisions through January 2007	IFC							
2272-~~2016~~ 2024	ANSI/CAN/UL/ULC Electrical Systems for Personal E- Mobility Devices	IFC							
2335-2010	Fire Tests of Storage Pallets—with Revisions through ~~August 2017~~ July 2022	IFC							
2360-2000	Test Methods for Determining the Combustibility Characteristics of Plastics Used in Semi-Conductor Tool Construction—with Revisions through October ~~2017~~ 2023	IFC							
2518-2016	Air Dispersion Systems—with Revisions through ~~June~~ ~~2021~~ April 2023	IMC							
2523-2009	Solid Fuel-fired Hydronic Heating Appliances, Water Heaters, and Boilers—with Revisions through ~~March 2018~~ October 2022	IMC							

2523-2009:	Solid Fuel-Fired Hydronic Heating Appliances, Water Heaters and Boilers—with Revisions through March 2018	IRC							
2524-~~2019~~ 2024	~~In-Building 2-Way~~ Emergency Responder ~~Radio~~	IFC							

	Communication Enhancement Systems~~—with Revisions through February 2019~~								
2525-2020	~~Standard for~~ Two-Way Emergency Communications Systems for Rescue Assistance	IBC	IFC						
2703-~~2014~~ 2015	Mounting Systems, Mounting Devices, Clamping/Retention Devices and Ground Lugs for Use with Flat-plate Photovoltaic Modules and Panels—with Revisions through ~~March 2021~~ July 2024	IBC	IRC						
2790-2010	Standard for Commercial Incinerators—with Revisions through ~~June 2019~~ April 2024	IMC							
2849-2020	Electrical Systems for eBikes-With Revisions through December 2022	IFC							
3741-2020	~~Standard for~~ ANSI/CAN/UL Safety for Photovoltaic Hazard Control	IFC	IRC						
8800-2019	ANSI/CAN/UL ~~Standard for~~ Horticultural Lighting Equipment And Systems-with Revisions through September 2023	IFC							
8802-~~2020~~ 2023	ANSI/CAN/UL Ultraviolet (UV) Outline of Investigation for Germicidal Systems	IBC							
9540-~~2020~~ 2023	ANSI/CAN/UL ~~Standard for~~ Energy Storage Systems and Equipment	ICCPC	IFC	IRC					

9540A-2019	ANSI/CAN/UL ~~Standard for Safety~~ Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems	ICCPC	IFC						

60335-2-1000-~~17~~ 2017	Household and Similar Electrical Appliances: Particular Requirements for Electrically Powered Pool Lifts-With Revisions through September 2022	ISPSC							
60601-1-2003	Medical Electrical Equipment, Part I: General Requirements for Safety—with Revisions through ~~April 2006~~ May 2016	IFC							
60950-1-2007	Information Technology Equipment—Safety - Part 1: General Requirements—with Revisions through May 2019	IFC							
61730-1-~~2017~~ 2022	Photovoltaic (PV) Module Safety Qualification — Part 1: Requirements for Construction— ~~with Revisions through April 2020~~	IBC	IRC						
61730-2-~~2017~~ 2022	Photovoltaic (PV) Module Safety Qualification — Part 2: Requirements for Testing— with Revisions through ~~April 2020~~ November 2023	IBC	IRC						
62368-1-2019	Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements—with Revisions through October 2021	IFC							
UL 325-02	Door, Drapery, Gate, Louver, and Window Operators and Systems, with Revisions through May 2015	IFC	IRC						

UL 325-2017	Door, Drapery, Gate, Louver and Window Operations and Systems—with Revisions through February 2020	IRC							

UL 723-2018	Standard for Test for Surface Burning Characteristics of Building Materials	IBC							
UL 1821-~~2011~~ 2019	ANSI/CAN/UL Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service~~—with revisions through August 2015~~	IRC							
UL 2202-2009	Electric Vehicle (EV) Charging System—with revisions through February 2018	IRC							
UL 2594-~~2016~~ 2022	~~Standard for~~ Electric Vehicle Supply Equipment	IBC	IECC	IRC					
~~UL~~ 3401-~~19~~ 2022	Outline of Investigation for 3D Printed Building Construction	IRC							

ULC Underwriters Laboratories of Canada

Standard Reference Number	Title	Referenced in Code(s):							
CAN/ULC S 102.2-~~2018~~ 2024	Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies- With Revisions through June 2024	IBC	IRC						

WDMA Window and Door Manufacturers Association

Standard Reference Number	Title	Referenced in Code(s):							
AAMA/WDMA/CSA 101/I.S.2/A440-~~22~~ 26	North American Fenestration Standard/Specification for Windows, Doors, and Skylights	IBC	IECC	IRC					
WDMA I.S. 11-~~2018~~ 2025	Industry Standard for Analytical Method for Design Pressure (DP) Ratings of Fenestration Products	IBC	IRC						

Reason: This is the ADM Code Change for Group B

Cost Impact: The change proposal is editorial in nature or a clarification and has no cost impact on the cost of construction

Justification for no cost impact: The ADM code change does not affect the cost of construction.

Staff Analysis: Under ANSI essential requirements concerning usage of all ANSI marking and designations ICC will be updating future editions of the I-Codes per these rules. This specifically means that within referenced standards chapters all referenced standards will be listed under their promulgator and not ANSI. ANSI designation may remain in the unique alphanumeric designation, however it will not be allowed in the title of the standard.

Within the body of the code text, where an affected referenced standard is identified with an ANSI acronym, the reference will be followed with "See promulgator acronym" in parenthesis. This will assist readers to be able to locate the correct promulgator under which to refer in the referenced standards chapter.