INTERNATIONAL CODE COUNCIL
2024 – 2026 CODE DEVELOPMENT CYCLE

2024 REPORT OF THE COMMITTEE ACTION HEARING (CAH2) ON THE 2024 EDITIONS OF THE

ADMINISTRATIVE PROVISIONS CODE *(heard by IFGC)*

INTERNATIONAL BUILDING CODE®

Fire Safety

General

Means of Egress

Structural (heard by IBC – FS)

INTERNATIONAL FIRE CODE®

INTERNATIONAL FUEL GAS CODE®

INTERNATIONAL MECHANICAL CODE®

INTERNATIONAL PLUMBING CODE®

INTERNATIONAL RESIDENTIAL CODE®

Mechanical

INTERNATIONAL SWIMMING POOL AND SPA CODE®

INTERNATIONAL WILDLAND AND URBAN INTERFACE CODE®

COMMITTEE ACTION HEARINGS (CAH2)
OCTOBER 23 - 27, 2024

PUBLIC COMMENT DEADLINE FOR GROUP A:
March 14, 2025

2024 – 2026 Code Development Cycle 2024 Report of the Committee Action Hearing (CAH #2)
on the 2024 Editions of the *International Codes*

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INTRODUCTION

This publication contains the 2024 Group A Report of the Committee Action Hearing #2 (ROCAH) on comments to the proposed revisions to the 2024 editions of the *International Building Code (Egress, Fire Safety,), International Fire Code, International Fuel Gas Code, International Mechanical Code, International Plumbing Code, International Private Sewage Disposal Code, International Residential Code (Mechanical and Plumbing), International Swimming Pool and Spa Code* and the *International Wildland-Urban Interface Code*. The hearing was held October 23-28, 2024.

This report includes the recommendation of the code development committee and the committee's reason on each proposed item and the committee's numerical vote. The possible outcomes include

- Approved as Submitted (AS)
- Approved as Modified (by comment or modification) (AMC2)
- Disapproved (D)
- None – Consent Agenda (NA-CA)
- None – Public Comment (NA-PC)

Where this report indicates "None-CA" no comments were introduced, or all comments were withdrawn at the CAH#2. Those proposals move to the consent agenda at the Public Comment Hearings in the spring of 2026 with the committee recommendation from CAH #1. Where this report indicates "None-PC" comments were introduced at CAH #2 and the committee took no action to retain the action from CAH #1. These proposals are eligible for Public Comment for the 2026 Public Comment Hearing. Where the comment was modified the proposed change, or a portion thereof, is included herein with the modification indicated in strikeout/underline format. Where this report indicates "Withdrawn by Proponent" the proposed code change proposal was withdrawn by the proponent and is not subject to any further consideration per Section 4.2 of CP28. Note that total votes per code change for a given committee will vary based on committee members recusing themselves from voting, or abstentions. Click here for the text of the original code change proposals.

PUBLIC COMMENT DEADLINE MARCH 14, 2025

Persons who wish to recommend an action other than that taken at the Committee Action Hearing #2 (CAH #2) may submit a public comment in accordance with Section 9.0 of the CP28. Public comments for Group A code change proposals that were addressed in CAH #2 will open on January 20, 2025. **The deadline for receipt of public comments is March 14, 2025. Comments must be submitted online via cdpACCESS by 11:59 pm Pacific.** Proposals, which receive a public comment, will be included in the Public Comment Hearing (PCH) Agenda for Individual Consideration. Proposals, which do not receive a public comment will be included in the consent agenda and be voted with a motion to sustain the action taken at CAH #2 at the PCH in April of 2026.

PUBLIC COMMENT DEADLINE MARCH 14, 2025

SUBMIT COMMENTS ONLINE AT THE cdpACCESS WEBSITE: www.cdpACCESS.com

Please note: The word processing software utilized by cdpACCESS, for submittal of public comments, does not permit the use of the "cut and paste" feature from Word documents.

ICC WEBSITE

While great care has been exercised in the publication of this document, errata may occur. Errata will be posted on the Current Code Development Cycle Website.

MODIFICATIONS BY COMMENT

Section 9.4 of CP28 allows public comments to be proposed to a code change proposal for consideration at the Public Comment Hearing. For the public comment to be considered at the Public Comment Hearing the comment must request Approval as Modified, with the specific modification included in the comment, Approval as Submitted or Disapproval. In accordance with Section 9.4.1, any modifications must be within the scope of the original code change proposal or committee action.

PUBLIC COMMENT HEARING CONSIDERATION

The Public Comment Hearings will be held April 23-28, 2026 in Hartford, CT (see the schedule on page iv).

The items that will be on the Public Comment agenda for Individual Consideration and action are proposed changes that received a public comment having been considered and acted upon at the second Committee Action Hearing (CAH#2) (CP28 Section 9.0).

cdpACCESS UPDATE

Current 2024 Group A Cycle
Public Comment submittal assistance will be provided on the cdpACCESS webpage. We will be posting video tutorials, which outline the navigation steps.

2025 Group B Cycle
Code change proposal submittals for Group B were opened on cdpACCESS on October 15, 2024.The deadline for Group B code change proposal submittals is January 10, 2025. Be sure to consult the 2024-2026 ICC Code Development Schedule on page iv for the applicable codes and important scoping information. Current Code Development Cycle

ICC continues to receive feedback from users. Be sure to visit the “Support Options” on the cdpACCESS webpage for more information.

ELECTRONIC VOTER VALIDATION REMINDER

Attention all Governmental Member Voting Representatives: Per CP28 Section 12.2 the deadline for Governmental membership for its designated representatives to be eligible to vote at the Group A and B Public comment hearings and Online Government Consensus is October 21, 2025. Validation for Governmental Member Voting Representation must be received by the Code Council by March 20, 2026, in order for any designated representative to be eligible to vote.

2024/2025/2026 ICC CODE DEVELOPMENT SCHEDULE

3/17/24 | Updated

STEP IN CODE DEVELOPMENT CYCLE	DATE		
	2024 – Group A Codes **IBC – E, IBC – FS, IFC, IFGC, IMC, IPC, IPSDC, IRC – M, IRC – P, ISPSC, IWUIC**	**2025 – Group B Codes** **Admin, IBC – G, IBC – S, IEBC, IgCC (Ch. 1 & App M), IPMC, IRC – B, IZC**	**2026 - Group A & B Codes** **Public Comments Posting, Public Comment Hearing, Online Governmental Consensus Vote**
DEADLINE FOR RECEIPT OF ONLINE APPLICATIONS FOR ALL CODE DEVELOPMENT COMMITTEES	June 1, 2023 (See Schedule Notes)		
cdpACCESS OPEN FOR CODE CHANGE SUBMITTALS	October 16, 2023 (Tentative)	October 15, 2024	
DEADLINE FOR cdpACCESS ONLINE RECEIPT OF CODE CHANGE PROPOSALS	January 8, 2024	January 10, 2025	
WEB POSTING OF "PROPOSED CHANGES TO THE I-CODES" (Monograph)	February 26, 2024	March 13, 2025	
COMMITTEE ACTION HEARING #1 (CAH #1)	April 7 – 16, 2024	April 27 – May 6, 2025	
cdpACCESS OPEN FOR COMMENT SUBMITTALS TO CAH #1 ACTION	May 16, 2024	June 3, 2025	
WEB POSTING OF "REPORT OF THE COMMITTEE ACTION HEARING #1"	May 16, 2024	June 3, 2025	
DEADLINE FOR cdpACCESS ONLINE RECEIPT OF COMMENTS ON CAH #1 ACTIONS	July 8, 2024	July 15, 2025	
WEB POSTING OF "COMMENTS TO CAH #1"	September 5, 2024	September 10, 2025	

STEP IN CODE DEVELOPMENT CYCLE	DATE		
	2024 – Group A Codes **IBC – E, IBC – FS, IFC, IFGC, IMC, IPC, IPSDC, IRC – M, IRC – P, ISPSC, IWUIC**	**2025 – Group B Codes** **Admin, IBC – G, IBC – S, IEBC, IgCC (Ch. 1 & App M), IPMC, IRC – B, IZC**	**2026 - Group A & B Codes** **Public Comments Posting, Public Comment Hearing, Online Governmental Consensus Vote**
COMMITTEE ACTION HEARING #2 (CAH #2)	October 23 – 31, 2024	October 22 - 30, 2025	
WEB POSTING OF "REPORT OF THE COMMITTEE ACTION HEARING #2"	December 2, 2024	November 25, 2025	
cdpACCESS OPEN FOR PUBLIC COMMENT SUBMITTALS FOR 2026 PCH	January 20, 2025 (Tentative)	November 25, 2025 (Tentative)	
DEADLINE FOR cdpACCESS ONLINE RECEIPT OF PUBLIC COMMENTS FOR 2026 PCH	March 14, 2025	January 5, 2026	
WEB POSTING OF "GROUP A & B PUBLIC COMMENT AGENDA"	See 2026	See 2026	March 4, 2026
COMBINED GROUP A & B PUBLIC COMMENT HEARING (PCH)	Combined Group A & B PCH in 2026	Combined Group A & B PCH in 2026	April 19 - 28, 2026
COMBINED GROUP A & B ONLINE GOVERNMENTAL CONSENSUS VOTING (OGCV) PERIOD	Combined Group A & B OGCV in 2026	Combined Group A & B OGCV in 2026	Starts approx. two - three weeks after the last day of PCH.
WEB POSTING OF GROUP A & B FINAL ACTION	See 2026	See 2026	Following Validation Committee certification and ICC Board confirmation.

Schedule Notes:

- This schedule introduces the restructured process starting in 2024 with two Committee Action Hearings (CAH #1 and CAH #2) for each Code Group in 2024 and 2025, followed by a combined Group A and B PCH and OGCV in 2026. Click here for more information.
- Code Development Committee applications: As noted above, the restructured process will

include two CAH's for which the same committee members who presided at CAH#1 will also preside at CAH#2. Previous cycles required Code Development Committee members to preside at only a single CAH in the Spring of the given year. Please be sure to consider this when applying for a Code Development Committee position.

- The "cdpACCESS OPEN" steps noted as "(tentative)" reflect availability of the applicable codes in the cdpACCESS system.
- Web posting of the "Proposed Changes to the I-Codes", "Comments to CAH #1" and "Group A & B Public Comment Agenda" will be posted no later than scheduled. ICC will make every effort to post these documents earlier, subject to code change/comment/public comment volume and processing time.

"Comment" vs "Public Comment": CP28 (Clink link for more information) uses the term "comment" to indicate a submittal in response to CAH #1 action and "public comment" in response to a CAH #2 action to be considered at the PCH. See Sections 7.0 and9.0 in CP28.**2024 Group A Codes/Code Development Committees:**

- IBC-E: IBC Egress provisions. Chapters 10 and 11.
- IBC-FS: IBC Fire Safety provisions. Chapters 7, 8, 9 (partial), 14 and 26. Majority of IBC Chapter 9 is maintained by the IFC. See Code Group Notes.
- IFC: The majority of IFC Chapter 10 is maintained by IBC-E. See Code Group Notes.
- IFGC
- IMC
- IPC
- IPSDC: Code changes heard by the IPC committee (combined IPC & IPSDC committee)
- IRC-M: IRC Mechanical provisions. Chapters 12 – 23 (code changes heard by the IRC - MP committee)
- IRC-P: IRC Plumbing provisions. Chapters 25 – 33 (code changes heard by the IRC – MP committee)
- ISPSC
- IWUIC: Code changes heard by the IFC committee (combined IFC & IWUIC committee)

2025 Group B Codes/Code Development Committees:

- Admin: Chapter 1 of all the I-Codes except the IgCC and IRC. Also includes the update of currently referenced standards in all of the 2021 Codes, except the IgCC. See Code Group Notes below for the IECC and the ICC PC.
- IBC-G: IBC General provisions. Chapters 3 – 6, 12, 13, 27 – 33.
- IBC-S: IBC Structural provisions. IBC Chapters 15 – 25 and IEBC structural provisions. See Code Group Notes.
- IEBC: IEBC Non-structural provisions. See Code Group Notes.
- IgCC: The administration provisions of Chapter 1 of the IgCC in order to provide for coordination with the other administrative provisions in the I-Codes. Additionally, Appendix M included as it is not included in ASHRAE Standard 189.1. Remainder of the code is based on the provisions of ASHRAE Standard 189.1 *Standard for the Design of High-Performance Green Buildings, Except Low-Rise Residential Buildings*.
- IPMC: Code changes heard by the IPM/ZC (combined IPMC & IZC code committee)
- IRC-B: IRC Building provisions. Chapters 1 – 10

- IZC: Code changes heard by the IPM/ZC (combined IPMC & IZC code committee)

Code Group Notes:

- Be sure to review the document entitled “2024/2025/2026 Group A and B Code Development Committee Responsibilities Matrix” (matrix) https://www.iccsafe.org/wp-content/uploads/2024-2025-Group-A-and-B-Code-Development-Committee-Responsibilities-11_20_23.pdf. This identifies responsibilities which are different than Group A and B codes and committees which may impact the applicable code change cycle and resulting code change deadline. As an example, throughout Chapter 4 of the IBC (IBC- General), there are numerous sections which include the designation “[F]” which indicates that the provisions of the section are maintained by the IFC committee. Similarly, there are numerous sections in the IEBC which include the designation “[BS]”. These are structural provisions which will be heard by the IBC – Structural committee. The designations in the code are identified in the matrix.
- I-Code Chapter 1: Proposed changes to the provisions in Chapter 1 of the majority of the I-Codes are heard in Group B (see Admin above for exceptions). Be sure to review the brackets ([ ]) of the applicable code.
- Definitions. Be sure to review the brackets ([ ]) in Chapter 2 of the applicable code and the matrix to determine which committee will consider proposed changes to the definitions.
- ICC Performance Code (ICC PC): The 2027 edition of the ICC PC will be updated utilizing the ICC Consensus Process . Click link for more information.
- International Energy Conservation Code (IECC) and Chapter 11 of the International Residential Code (IRC): The 2027 edition of the IECC and Chapter 11 of the IRC will be updated utilizing the ICC Consensus Process. Click link for more information.

TABLE OF CONTENTS

Administrative Provisions

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

ADM1-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify comment as follows:
101.2.2.1 Hydrogen admixture natural gas supply. Supply systems in which hydrogen is blended into admixtures greater than 5% and not exceeding 20% hydrogen by volume.

Committee Reason: The addition of the word natural provides clarity in the code language and specifies mixture to natural gas. (Vote: 10-0)

International Building Code – Fire Safety

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

FS2-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS6-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
2024 International Building Code

703.3.1 Noncombustible materials.
Materials required to be noncombustible shall be tested in accordance with ASTM E136. Alternately, materials required to be noncombustible shall be tested in accordance with ASTM E2652 using the acceptance criteria prescribed by ASTM E136.

Exception: Materials having a structural base of noncombustible material as determined in accordance with ASTM E136, or with ASTM E2652 using the acceptance criteria prescribed by ASTM E136, with a surfacing of not more than 0.125 inch (3.18 mm) in thickness having a *flame spread index* not greater than 50 when tested in accordance with ASTM E84 or UL 723 shall be acceptable as noncombustible.

703.3.2 Testing not required.
The following building materials shall not be required to be tested to be acceptable as noncombustible building materials.

1. **Steel.**
2. **Concrete, containing no combustible aggregates or fibers,**
3. **Masonry, containing no combustible aggregates or fibers,**
4. **Glass (excluding plastic glazing),**
5. **<u>3xxx</u>, 5xxx and 6xxx series aluminum alloys.**

Committee Reason: The modification recognizes an additional type of aluminum allow to be more inclusive of materials that would not require testing. The comment responded to the committees concern that more guidance should be provided on specific materials that do not require testing.

(Vote: 10-0)

FS7-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
2024 International Building Code
Revise as follows:
703.7 Sealing of adjacent mass timber elements. In *buildings* of Types IV-A, IV-B and IV-C construction, joints or intersections of abutting mass timber building elements required to be *fire-resistance rated* shall meet the requirements of 703.7.1 or 703.7.2.
703.7.1 Joints or intersections with a fire-resistant joint system. *Fire-resistant joint systems* used at joints or intersections shall be ~~installed~~ in accordance with Section 715~~.2~~.

703.7.2 Joints or intersections without a fire-resistant joint system. Where a *fire-resistant joint system* is not used, sealants meeting the requirements of ASTM C920 or adhesives meeting the requirements of ASTM D3498 shall be provided to resist the passage of air ~~at the following locations:~~

~~1. At abutting edges and intersections of *mass timber building elements* required to be fire-resistance rated.~~

~~2. At abutting intersections of *mass timber building elements* and *building elements* of other materials where both are required to be fire-resistance rated~~.

Exceptions: Sealants or adhesives need not be provided at locations where any of the following apply:

1. **The sealant or adhesive is not a required component of a tested *fire-resistance-rated* assembly.**
2. **The abutting edges or intersections occur entirely within a single *dwelling unit* within a *story* or *fire area* within a *story*.**
3. **Draftstop material in accordance with Section 718.3.1 is installed on the unexposed side of the abutting edges or intersections.**

Committee Reason: The modification corrected the reference section and removed conflicting text in the sections. The comment addressed the committee concerns from CAH1 regarding the provisions for the sealing of adjacent mass timber elements by restricting the passage of air to prevent the spread of fire and smoke. (Vote: 10-0)

FS9-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee indicated that the comment made the changes that the committee recommended in CAH1 by removing the word "steel" that was originally proposed to the titles and text. The changes addressed concerns that these sections should apply to all types of construction and removing the term "engineering analysis" and uses language more consistent with the language used in the FDS. (Vote: 10-0)

FS10-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS10-24

FS13-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee decided that the comment corrected the reference to the main section instead of referencing the table. The committee also indicated that the change to exception #5 is appropriate. (Vote: 10-0)

FS13-24

FS14-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
2024 International Building Code
Revise as follows:

705.6 Continuity. The continuity of the *fire-resistance rating* ~~*of exterior walls*~~ shall extend from the top of the foundation to the top of the parapet. If a parapet is not required by Section 705.12, the *fire-resistance rating* ~~*of exterior walls*~~ shall extend to the underside of the roof sheathing, deck or slab.

Committee Reason: The committee approved the modification to clarify that the concept of FRR continuity versus continuity of the exterior wall. The intent of Item 2 in the existing language is addressed more broadly and no longer necessary in the code. The committee approved the comment based on the proponent's reason statement.

(Vote: 10-0)

FS14-24

FS15-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed to further expand this requirement to Type I and II construction by deleting the type of construction scoping. The committee felt that it was appropriate to expand to Type I and II construction based upon the fact that the Types I and II construction can include platform framing with cold-formed steel joists just as Types III, IV and V construction have platform framing with wood joists, so this section should apply to all construction types. (Vote: 10-0)

FS16-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
2024 International Building Code
Revise as follows:

705.8 Supporting construction. The supporting construction for *exterior walls* and parapets shall have a *fire-resistance rating* as required by Section 704.1.1.
Where a floor or roof assembly supports an *exterior wall* or parapet above, the portion of the floor or roof assembly that supports the *exterior wall* or parapet shall have a *fire-resistance rating* of not less than the *fire-resistance rating* required for the *exterior wall* or parapet.

Committee Reason: The committee indicated that the modification clarifies the requirements and the comment is consistent with the committee action in CAH1. (Vote: 10-0)

FS17-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 2

Committee Reason: The committee determined that the comment clarified the code text and changed the section requirements to all types of constructions based on the fact that Types I and II construction can include platform framing with cold-formed steel joists just as Types III, IV and V construction have platform framing with wood joists, so this section should apply to all construction types. (Vote: 10-0)

FS21-24 Part I

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee concluded that the comment corrected the proposed text in CAH1 by correlating all of the five charging sections dealing with each type of fire-rated or smoke-rated assembly so that they do not reference which code the requirement comes from. (Vote: 10-0)

FS21-24 Part I

FS23-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS23-24

FS24-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS24-24

FS26-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee indicated that the comment addressed the committee's concerns regarding correlation with the IFC by providing a reference to the Fire Code where the requirement originates for energy storage systems.

(Vote: 10-0)

FS26-24

FS31-24

Committee Action: **Disapproved**

Committee Reason: The committee indicated that the proposal had been disapproved due to the fact that the reference to the general section is confusing and could cause issues for the code users. The code change would require horizontal assemblies as smoke barriers to comply with Section 909 for smoke control systems. Section 909 broadly covers mechanical and passive smoke control systems. (Vote: 10-0)

FS35-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS36-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS41-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: The committee indicated that the comment addressed the committee's concerns in CAH1 and provided clarification for the code users by removing the word “installed system” to eliminate the confusion on if the system is already installed, replacing the word “tested” with “listed” making it clear that supporting documentation shall be provided to the code official for approval. This allows the code official the ability to approve the source of the documentation and the necessary information within. (Vote: 10-0)

FS42-24

Committee Action: None-CA (Consent Agenda)

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

FS47-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS49-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
2024 International Building Code
Revise as follows:

714.5.2 Membrane penetrations. Penetrations of membranes that are part of a *horizontal assembly* shall comply with Section 714.5.1.1 or 714.5.1.2. Where floor/ceiling assemblies are required to have a *fire-resistance rating*, recessed fixtures shall be installed such that the required *fire resistance* will not be reduced.

Exceptions:

1. ***Membrane penetrations* by steel, ferrous or copper conduits, pipes, tubes or vents, or concrete or *masonry* items where the *annular space* is protected either in accordance with Section 714.5.1 or to prevent the free passage of flame and the products of combustion. The aggregate area of the openings through the membrane shall not exceed 100 square inches (64 500 mm^2) in any 100 square feet (9.3 m^2) of ceiling area in assemblies tested without penetrations.**
2. **Ceiling *membrane penetrations* of maximum 2-hour *horizontal assemblies* by steel electrical boxes that do not exceed 16 square inches (10 323 mm^2) in area, provided that the aggregate area of such penetrations does not exceed 100 square inches (44 500 mm^2) in any 100 square feet (9.29 m^2) of ceiling area, and the *annular space* between the ceiling membrane and the box does not exceed $^1/_8$ inch (3.2 mm).**
3. ***Membrane penetrations* by electrical boxes of any size or type, that have been *listed* as part of an opening protective material system for use in *horizontal assemblies* and are installed in accordance with the instructions included in the listing.**
4. ***Membrane penetrations* by *listed* electrical boxes of any material, provided that such boxes have been tested for use in fire-resistance-rated assemblies and are installed in accordance with the instructions included in the listing. The *annular space* between the ceiling membrane and the box shall not exceed $^1/_8$ inch (3.2 mm) unless *listed* otherwise.**
5. **The *annular space* created by the penetration of a fire sprinkler, provided that it is covered by a metal escutcheon plate.**
6. **Noncombustible items that are cast into concrete building elements and that do not penetrate both top and bottom surfaces of the element.**
7. **The ceiling membrane of a maximum 2-hour fire-resistance-rated *horizontal assembly* is permitted to be interrupted with the double 2x wood top plate of a wall assembly that is sheathed with *Type X gypsum wallboard*, provided that all penetrating items through the double top plates are protected in accordance with Section 714.5.1.1 or 714.5.1.2 and the ceiling membrane is tight to the top plates.**
8. **The ceiling membrane of a maximum 1-hour fire-resistance-rated horizontal assembly is permitted to be interrupted with a minimum of a single 2x wood top plate of a wall assembly that is sheathed with Type X gypsum wallboard, provided that all penetrating items through the top plate are protected in accordance with Section 714.5.1.1 or 714.5.1.2 and the ceiling membrane is tight to the top plates. The bottom of the wood top plate must extend a minimum of ¾" below the ceiling membrane.**
9. **Ceiling *membrane penetrations* by *listed* luminaires (light fixtures) or by luminaires protected with *listed* materials, which have been tested for use in fire-resistance-rated assemblies and are installed in accordance with the instructions included in the listing.**

Committee Reason: The committee decided that the comment and the modification added clarity to the code text and provided guidance to the code user. (Vote: 10-0)

FS50-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
2024 International Building Code

714.5.2 Membrane penetrations. Penetrations of membranes that are part of a *horizontal assembly* shall comply with Section 714.5.1.1 or 714.5.1.2. Membrane penetrations by luminaires shall comply with Section 714.5.2.1.

Exceptions:

1. ***Membrane penetrations* by steel, ferrous or copper conduits, pipes, tubes or vents, or concrete or *masonry* items where the *annular space* is protected either in accordance with Section 714.5.1 or to prevent the free passage of flame and the products of combustion. The aggregate area of the openings through the membrane shall not exceed 100 square inches (64 500 mm^2) in any 100 square feet (9.3 m^2) of ceiling area in assemblies tested without penetrations.**
2. **Ceiling *membrane penetrations* of maximum 2-hour *horizontal assemblies* by steel electrical boxes that do not exceed 16 square inches (10 323 mm^2) in area, provided that the aggregate area of such penetrations does not exceed 100 square inches (44 500 mm^2) in any 100 square feet (9.29 m^2) of ceiling area, and the *annular space* between the ceiling membrane and the box does not exceed $^1/_8$ inch (3.2 mm).**
3. ***Membrane penetrations* by electrical boxes of any size or type, that have been *listed* as part of an opening protective material system for use in *horizontal assemblies* and are installed in accordance with the instructions included in the listing. ~~Protected electrical boxes shall be installed~~ such that the *fire-resistance rating* of the *horizontal assembly* is not reduced.**
4. ***Membrane penetrations* by *listed* electrical boxes of any material, provided that such boxes have been tested for use in fire-resistance-rated assemblies and are installed in accordance with the instructions included in the listing such that the *fire-resistance rating* of the *horizontal assembly* is not reduced. The *annular space* between the ceiling membrane and the box shall not exceed $^1/_8$ inch (3.2 mm) unless *listed* otherwise. ~~Electrical boxes shall be installed such that the *fire-resistance rating* of the *horizontal assembly* is not reduced.~~**
5. **The *annular space* created by the penetration of a fire sprinkler, provided that it is covered by a metal escutcheon plate.**
6. **Noncombustible items that are cast into concrete building elements and that do not penetrate both top and bottom surfaces of the element.**
7. **The ceiling membrane of a maximum 2-hour fire-resistance-rated *horizontal assembly* is permitted to be interrupted with the double wood top plate of a wall assembly that is sheathed with *Type X gypsum wallboard*, provided that all penetrating items through the double top plates are protected in accordance with Section 714.5.1.1 or 714.5.1.2 and the ceiling membrane is tight to the top plates.**

714.5.2.1 Membrane penetrations by luminaires. Penetrations of membranes that are part of a *horizontal assembly* by luminaires (light fixtures) shall comply with one of the following:

1. **Luminaires *listed* and *labeled* for use in fire-resistance rated assemblies. The *listing* shall indicate that the luminaire is suitable for installation in the *horizontal assembly* penetrated with a *fire-resistance rating* not less than the required rating of the *horizontal assembly* penetrated.**
2. **Luminaires tested ~~for use~~ in a fire-resistance rated assembly and ~~are~~ installed in accordance with the tested assembly**

construction specifications.

3. **Luminaires protected by an enclosure *listed* and *labeled* for use in fire-resistance designs certified by an *approved agency*. The *listing* shall indicate the enclosure is suitable for installation with luminaires in the *horizontal assembly* penetrated with a *fire-resistance rating* not less than the required rating of the *horizontal assembly* penetrated.**

Committee Reason: The committee decided that the modification clarified the code requirements. The committee approved the comment based on the fact that the comment added the deleted sentence to Exceptions 3 and 4, in a clarified format and corrected what is believed to be a typo in Section 714.5.2.1(2) of the original proposal. (Vote: 10-0)

FS50-24

FS53-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Proposal as follows:
2024 International Building Code

715.3 Fire-resistance-rated assembly intersections. *Joints* installed in or between fire-resistance-rated walls, floor or floor/ceiling assemblies and roofs or roof/ceiling assemblies shall be protected by an *approved fire-resistant joint* system designed to resist the passage of fire for a time period not less than the required *fire-resistance rating* of the wall, floor or roof in or between which the system is installed.

Exception: *Fire-resistant joint systems* shall not be required for *joints* in the following locations:

1. **Floors within a single *dwelling unit*.**
2. **Floors where the *joint* is protected by a *shaft enclosure* in accordance with Section 713.**
3. **Floors within *atriums* where the space adjacent to the *atrium* is included in the volume of the *atrium* for smoke control purposes.**
4. **Floors within *malls*.**
5. **Floors and ramps within parking garages or *structures* constructed in accordance with Sections 406.5 and 406.6.**
6. ***Mezzanine* floors.**
7. **Walls that are permitted to have unprotected openings.**
8. **Roofs where openings are permitted.**
9. **Control *joints* not exceeding a maximum width of 0.625 inch (15.9 mm) and tested in accordance with ASTM E119 or UL 263.**
10. **The intersection of exterior curtain wall assemblies and the roof slab or *roof deck*.**
11. **Between the bottom of a fire-resistance-rated wall and a floor or floor/ceiling assembly <u>where the connection is not designed for movement</u> ~~, unless the wall abuts two or more interconnected levels~~.**

Committee Reason: The committee indicated that the modification clarified the exception between the bottom of a fire-resistance-rated wall and a floor or floor/ceiling assembly where the connection is not
designed for movement. The proposed text addressed the movement that is expected between the top plate and the floor/floor-ceiling assembly above, as well as vertical joints between rated walls. Where a wall is supported by a floor or floor/ceiling assembly, the bottom

of a wall is not designed to allow independent movement.

(Vote: 7-3)

FS53-24

FS55-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS55-24

FS56-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS56-24

FS61-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS61-24

FS62-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS62-24

FS63-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS63-24

FS65-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
2024 International Building Code
Revise as follows:

716.2.6.1 Door closing. ***Fire doors*** **shall be latching and self- or automatic-closing in accordance with this section.**

Exceptions:

1. ***Fire doors*** **located in common walls separating** ***dwelling units*** **or** ***sleeping units*** **in Group R-1 shall be permitted without automatic- or** ***self-closing*** **devices.**
2. **In Group I-1, Condition 2, fire doors ~~located in corridors and~~ serving sleeping units that do not include a cooktop or range shall be permitted without automatic- or self-closing devices.**
3. **The elevator car doors and the associated elevator hoistway doors at the floor level designated for recall in accordance with Section 3003.2 shall be permitted to remain open during Phase I emergency recall operation.**
4. **Fire doors required solely for compliance with ICC 500 shall not be required to be** ***self-closing*** **or automatic-closing.**

Committee Reason: The committee concluded that the modification was a good clean-up to the text by removing corridors from the proposed text. The committee approved the comment due to the fact that the comment addressed the issues in the original proposal by clarifying exception 2. (Vote: 10-0)

FS65-24

FS67-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS67-24

FS69-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee concluded that the comment clarified the code requirement by clearly delineating that Table 717.3.2.1 (Table 607.3.2.1 of the IMC) should not be used for corridor dampers, and provided a reference to Section 717.3.2.4 of the IBC (Section 607.3.2.4 of the IMC), which provides requirements for corridor dampers. (Vote: 10-0)

FS69-24

FS75-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee concluded that the comment addressed the committee's concerns from CAH1 by clarifying that the listings are based on the ASTM E119, UL 263. (Vote: 10-0)

FS75-24

FS76-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee approved the comment based on the fact that the comment fixed the original proposal by adding a concise exception to the dynamic section. The exception provides a codified means to shutting down the system in a manner where a static CRD will perform as intended. (Vote: 10-0)

FS76-24

FS79-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee approved the comment as it clarified the original proposal and addressed the committee's comments by adding specific materials to the prescriptive list of fireblocking materials instead of making a reference to the ANSI/AWC *Fire Design Specification (FDS) for Wood Construction*.

(Vote: 10-0)

FS85-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee decided that the comment addressed the committee's concern in CAH1 by adding an exception that clarifies that this method must follow the requirements of the alternate materials, design, and methods of construction and equipment as specified in IBC Section 104.2.3. (Vote: 10-0)

FS86-24

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

FS87-24

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

FS94-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS98-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS98-24

FS101-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee approved the comment based on the proponent's reason statement. (Vote: 10-0)

FS101-24

FS103-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS103-24

FS104-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
2024 International Building Code
Revise as follows:

1402.6 Water-resistive barriers. *Exterior walls* on *buildings* of Type I, II, III or IV construction that are greater than 40 feet (12 192 mm) in height above *grade plane* and contain a combustible *water-resistive barrier* shall be tested in accordance with and comply with the acceptance criteria of NFPA 285.Combustibility shall be determined in accordance with Section 703.3. For the purposes of this section, *fenestration* products, flashing of *fenestration* products and *water-resistive-barrier* flashing and accessories at other locations, including through wall flashings, shall not be considered part of the *water-resistive barrier*.

Exceptions:

1. ***Exterior walls*** **in which the *water-resistive barrier* is the only combustible component and the *exterior wall* has a~~n~~ ~~noncombustible~~ *exterior wall* covering of brick, concrete, stone, terra cotta, stucco, steel or noncombustible fiber-cement with minimum thicknesses in accordance with Table 1404.2.**
2. ***Exterior walls*** **in which the *water-resistive barrier* is the only combustible component and the *water-resistive barrier* complies with the following:**
   - **2.1 A peak heat release rate of less than 150 kW/m^2, a total heat release of less than 20 MJ/m^2 and an effective heat of combustion of less than 18 MJ/kg when tested on specimens at the thickness intended for use, in accordance with ASTM E1354, in the horizontal orientation and at an incident radiant heat flux of 50 kW/m^2.**
   - **2.2 A *flame spread* index of 25 or less and a *smoke-developed index* of 450 or less as determined in accordance with ASTM E84 or UL 723, with test specimen preparation and mounting in accordance with ASTM E2404.**

Committee Reason: The committee concluded that the modification corrected the comment by relocating the noncombustible in front of fiber-cement.

(Vote: 8-2)

FS104-24

FS108-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS108-24

FS112-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee concluded that the comment clarified the design wind pressure and Chapter 16 requirements. (Vote: 10-0)

FS112-24

FS113-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

FS117-24

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

FS121-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee approved the comment based upon the proponents reason statement. (Vote: 10-0)

International Building Code – General

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

G1-24 Part VI

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2

Committee Reason: The Committee agreed with the published reason statements in the comments. (Vote: 14-0)

G1-24 Part VI

G1-24 Part VII

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

G1-24 Part VII

G1-24 Part VIII

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

G1-24 Part VIII

G2-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The revised proposal addressed the committee's about the need for a medical judgement or assessment. The expanded justification in the reason statement helped the committee understand the need for clarification where this term is used in the codes. (Vote: 14-0)

G2-24

G3-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action. (Vote: 14-0)

G7-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

G8-24 Part I

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The proposal clarifies that gross floor area includess useable areas that are open, but under a roof. This also clarifies what happens with 'light wells' in dounut shaped buildings. This is a good clarification of the existing defintions. (Vote: 14-0)

G9-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The language added in the proposal is currently used in the guard section. This clarifies what you are measuring to. (Vote: 12-2)

G11-24

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

G12-24 Part I

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification: 2024 International Building Code
Revise as follows:
NONCOMBUSTIBLE MATERIAL.

See Section 703.3.1 ~~703.3~~.

2024 International Existing Building Code

Revise as follows:

[BF] NONCOMBUSTIBLE MATERIAL. See Section 703.3.1 ~~703.3~~ of the International Building Code.

Committee Reason: The committee concluded that the proposed text provides a good reference to the relevant sections of the code and correlates the IBC and IEBC. (Vote: 10-0)

G12-24 Part II

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
NONCOMBUSTIBLE MATERIAL. See Section 703.3.1 ~~703.3~~ of the *International Building Code.*

Committee Reason: The committee stated that the reason for the approval of the comment with the modification was based on the previous action on G12-24 Part V. This creates a good pointer and it fixes the noncombustible material definition. (Vote: 14-0)

G12-24 Part III

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification: [M] NONCOMBUSTIBLE MATERIALS. See Section 315. ~~703.3 of the *International Building Code*~~.

Committee Reason: The proponent worked with stakeholders to create a comment that clarifies the referenced section which qualifies a material as noncombustible in the context of the I-Codes. (Vote: 11-2)

G12-24 Part IV

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification: NONCOMBUSTIBLE MATERIAL. See Section 313 ~~703.3 of the *International Building Code*~~.

Committee Reason: This comment aligns code language with the previously approved comment, G12-24, Part III. (Vote: 13-0)

G12-24 Part V

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
NONCOMBUSTIBLE MATERIAL. See Section 501.4 ~~503.2.1~~

Committee Reason: The approval of the modification was based on the correction to the section reference. The approval of the comment was based on the proponent's reason statement. (Vote: 13-0)

G14-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that 'interlocking' is the same as 'scissors' stairway, so the additional words are not needed to describe the stairway in Sections 403.5.1 and 1007.1.1. The revised defintion is a clarification that better describes a scissors stairway. (Vote: 8-6)

G26-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: Comment 1 was approved as it made necessary revisions to provide clarification and improvement to Table 5306.2 by coordinating NFPA 99 requirements and clarifying the limits for compressed gases. (Vote: 13-1)

G26-24

G28-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

G28-24

G29-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
[F] 3003.1.4 Temperature Control.
Where standby power is ~~connected to~~ provided for elevators, the system for temperature control of spaces ~~containing elevator equipment provided per~~ in accordance with Section 3005.2, shall be connected to the standby power source.

Committee Reason: Based on previous action taken on F82-24 the committee agreed with the changes addressed in comment 1 and the floor modification. The corrections align the language with Section 3005.2 of the IBC, and with the terminology used in other sections of the code. More specifically the revisions clarify that standby power is required to provide temperature control equipment for the elevator.

(Vote: 13-1)

G29-24

International Building Code – Means of Egress

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

E1-24 Part I

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2

Committee Reason: The committee approved comment 1 and 2. Both comments were an improvement to the text to use the defined terms of 'access' and 'ready access' where applicable. In comment 1 the proponent addressed the committees concern for locations that provided access to the public. (Vote: 14-0)

E1-24 Part I

E1-24 Part III

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E1-24 Part III

E3-24

Committee Action: **As Submitted**

Approved Comments: Comment 1

Committee Reason: The application of the sections for headroom and slip resistant surface requirements is appropriate for the circulation paths. This would coordinate with the federal documents. (Vote: 14-0)

E3-24

E8-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify the original proposal as follows;
2024 International Building Code

TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR[a]
Group H-5 fabrication and manufacturing areas	~~200~~ 300 gross
~~Automated fabrication and manufacturing areas~~	~~See Section 1004.9~~

(Portions of table not shown remains unchanged.)

~~**1004.9 Automated fabrication and manufacturing areas. The occupant load factor for Group H-5 automated fabrication and manufacturing areas with a lower density of occupants than would normally be expected in a typical Group H-5 occupancy environment shall be applied to such areas. Where approved by the building official, the occupant load for automated fabrication and manufacturing areas shall be the actual occupant load, but not less than one occupant per 300 square feet (27.87 m) of gross occupiable floor space.**~~

2024 International Fire Code

[BE]TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR[a]
Group H-5 fabrication and manufacturing areas	~~200~~ 300 gross
~~Automated fabrication and manufacturing areas~~	~~See Section 1004.9~~

(Portions of table not shown remains unchanged.)

~~**1004.9 Automated fabrication and manufacturing areas. The occupant load factor for Group H-5 automated fabrication and manufacturing areas with a lower density of occupants than would normally be expected in a typical Group H-5 occupancy environment shall be applied to such areas. Where approved by the building official, the occupant load for automated fabrication and manufacturing areas shall be the actual occupant load, but not less than one occupant per 300 square feet (27.87 m2) of gross occupiable floor space.**~~

Committee Reason: The floor modification improves the original proposal by moving the occupant load factor into the table and removing the additional section. This will make the factor applicable to all Group H-5 occupancies. (Vote: 14-0)

E10-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Revise the comment as follows:
2024 International Building Code
COMMERCIAL MOTOR VEHICLE. A ~~Any~~ motor vehicle used ~~on a highway in interstate commerce~~ to transport ~~property or~~ passengers or property ~~when~~ where the motor vehicle:

1. **Has ~~has~~ a gross vehicle weight rating of ~~10,001~~ 10,000 pounds or more; or**
2. **Is designed to transport 16 or more passengers, including the driver.**

2024 International Fire Code

COMMERCIAL MOTOR VEHICLE. A ~~Any~~ motor vehicle used ~~on a highway in interstate commerce~~ to transport ~~property or~~ passengers or property ~~when~~ where the motor vehicle:

1. **Has ~~has~~ a gross vehicle weight rating of ~~10,001~~ 10,000 pounds or more; or**
2. **Is designed to transport 16 or more passengers, including the driver.**

Committee Reason: The floor modification provides additoinal requirements to clarify what a commercial vehicle is. The defintion and additional justification provided in the reason statement clarifies the application and need for these facilities to be listed in Table 1004.5. (Vote: 14-0)

E15-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification: Modify the comment as follows:
2024 International Building Code

1030.6.4 Stepped aisles for tiered platforms used as seating. The required capacity, in inches, of means of egress stairways between stories or mezzanines that also serve as a stepped aisle for tiered platforms used for seating shall be the aggregate of the following:

1. **The required capacity, in inches, of the means of egress stairway from the story or mezzanine in accordance with Sections 1005.3.1.**
2. **The required capacity, in inches, as determined by the occupant load of the tiered platforms used for seating in accordance with Section 1030.6.1, 1030.6.2, or 1030.6.3, as applicable.**

2024 International Fire Code

1030.6.4 Stepped aisles for tiered platforms used as seating. The required capacity, in inches, of means of egress stairways between stories or mezzanines that also serve as a stepped aisle for tiered platforms used for seating shall be the aggregate of the following:

1. **The required capacity, in inches, of the means of egress stairway from the story or mezzanine in accordance with Sections 1005.3.1.**
2. **The required capacity, in inches, as determined by the occupant load of the tiered platforms used for seating in accordance with Section 1030.6.1, 1030.6.2, or 1030.6.3, as applicable.**

Committee Reason: The committee added the word 'required' in Section 1030.6.4 for consistency with the other subsections above. The comment removed the duplicate text and put in a pointer to one location as requested by the committee. This proposal will provide criteria for egress from tiered platforms where the platforms are the seating. (Vote: 13-1)

E18-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E18-24

E19-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E19-24

E22-24

Committee Action: **As Submitted**

Approved Comments: Comment 1

Committee Reason: The proposal does not expand the scope of an NFPA 13D system - that is addressed in Chapter 9. This just explains what the requirements are for travel distance where a NFPA 13D system can be used - one- and two-family dwellings and townhouses. This would be consistent with similar proposals submitted for this cycle. (Vote: 10-4)

E22-24

E23-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: This combines the requirements for single exit Group R-2 occupancies into one table. Adding 'per story' clarifies the limit for maximum number in Table 1006.3.4(1). This should make it easier to understand where singe exits are permitted. (Vote: 12-2)

E23-24

E24-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 2

Committee Modification:
Replace the original proposal and Comment 2 with the following:
2024 International Building Code

TABLE 1006.3.4(1)
STORIES AND OCCUPIABLE ROOFS WITH ONE EXIT OR ACCESS TO ONE EXIT FOR R-2 OCCUPANCIES.

STORY	OCCUPANCY	MAXIMUM NUMBER OF DWELLING UNITS	MAXIMUM EXIT ACCESS TRAVEL DISTANCE
Basement, first, second, ~~or~~ third, or fourth story above grade plane and occupiable roofs over the first, ~~or~~ second, or third story above grade plane	R-2[a, b, c, d]	4 dwelling units	125 feet
~~Fourth~~ Fifth story above grade plane and higher	NP	NA	NA

(Portion of footnotes not shown remain unchanged)

d. 4-story buildings and 3-story buildings with an occupiable roof above the third story shall also comply with Section 1006.3.4.2.

1006.3.4.2 Single exit four-story buildings with Group R-2 dwelling units.
Four-story buildings with a single exit for Group R-2 dwelling units shall comply with Table 1006.3.4(1) and all of the following:

1. **The *net floor area* of each floor shall not exceed 4,000 square feet (418.5 m2).**
2. **Openings to the *interior exit stairway* enclosure shall be limited to those required for exit access into the enclosure from normally occupied spaces, those required for egress from the enclosure, and openings to the exterior. Elevators shall not open into the *interior exit stairway* enclosure.**
3. **A *manual fire alarm system* and *automatic smoke detection system* that activates the occupant notification system in accordance with Section 907.5 shall be provided. Smoke detectors shall be located in common spaces outside of *dwelling units*, including but not limited to gathering areas, laundry rooms, mechanical equipment rooms, storage rooms, interior *corridors*, *interior exit stairways*, and *exit passageways*.**
4. **Regardless of the stairway construction type, *automatic sprinkler* locations in *interior exit stairways* shall comply with the requirements of NFPA 13 for combustible stairways.**
5. **Electrical receptacles shall be prohibited in an *interior exit stairway*.**

2024 International Fire Code

[BE]TABLE 1006.3.4(1) [BESTORIES AND OCCUPIABLE ROOFS WITH ONE EXIT OR ACCESS TO ONE EXIT FOR R-2 OCCUPANCIES.

STORY	OCCUPANCY	MAXIMUM NUMBER OF DWELLING UNITS	MAXIMUM EXIT ACCESS TRAVEL DISTANCE
Basement, first, second, ~~or~~ third, or fourth story above grade plane and occupiable roofs over the first, ~~or~~ second, or third story above grade plane	R-2[a, b, c, d]	4 dwelling units	125 feet
~~Fourth~~ Fifth story above grade plane and higher	NP	NA	NA

(Portion of footnotes not shown remain unchanged)

d. 4-story buildings and 3-story buildings with an occupiable roof above the third story shall also comply with Section 1006.3.4.2.

[BE]1006.3.4.2 Single exit four-story buildings with Group R-2 dwelling units
Four-story buildings with a single exit for Group R-2 dwelling units shall comply with Table 1006.3.4(1) and all of the following:

1. **The *net floor area* of each floor shall not exceed 4,000 square feet (418.5 m2).**
2. **Openings to the *interior exit stairway* enclosure shall be limited to those required for exit access into the enclosure from normally occupied spaces, those required for egress from the enclosure, and openings to the exterior. Elevators shall not open into the *interior exit stairway* enclosure.**
3. **A *manual fire alarm system* and *automatic smoke detection system* that activates the occupant notification system in accordance with Section 907.5 shall be provided. Smoke detectors shall be located in common spaces outside of *dwelling units*, including but not limited to gathering areas, laundry rooms, mechanical equipment rooms, storage rooms, interior *corridors*, *interior exit stairways*, and *exit passageways*.**
4. **Regardless of the stairway construction type, *automatic sprinkler* locations in *interior exit stairways* shall comply with the requirements of NFPA 13 for combustible stairways.**

5. Electrical receptacles shall be prohibited in an *interior exit stairway*.

Committee Reason: The modification is a concensus proposal worked out with input from multiple interested parties. It is hoped that this additional option will discourage legislative bodies attempting to over ride the code to allow for taller single story buildings. The proposal puts in appropriate safety limits for a single exit building. The 4,000 sq.ft. net area limitation is consistent with 20 occupants per story. Item 2 is the same language as currently required for exit enclosures. Item 3 is consistent with what is currently required for dormitories, and should help provide and additional early warning system. Item 4 will allow for the building to use an NFPA13R system; just the sprinkler heads in the stairway will have to be at each landing instead of at just the top and the bottom. The intent of Item 5 is to keep the charging of micro-mobility devices out of the stairwell. The work group will look at the questions and comments brought up during the testimony for a public comment. (Vote: 13-1)

E24-24

E25-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action. See committee action on E24-24.

E25-24

E28-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify comment as follows:

2024 International Building Code

1008.2.1 Illumination level under normal power. The *means of egress* illumination level shall be not less than 1 footcandle (11 lux) at the walking surface. Along *exit access stairways*, exit stairways and their ~~required~~landings, the illumination level shall not be less than 10 footcandles (108 lux) at the walking surface when the *stairway* is in use.

Exception: For auditoriums, theaters, concert or opera halls and similar assembly occupancies, the illumination at the walking surface is permitted to be reduced during performances by one of the following methods provided that the required illumination is automatically restored upon activation of a premises' *fire alarm system*:

1. **Externally illuminated walking surfaces shall be permitted to be illuminated to not less than 0.2 footcandle (2.15 lux).**
2. **Steps, landings and the sides of *ramps* shall be permitted to be marked with *self-luminous* materials in accordance with Sections 1025.2.1, 1025.2.2 and 1025.2.4 by systems *listed* in accordance with UL 1994.**

2024 International Fire Code

1008.2.1 Illumination level under normal power. The *means of egress* illumination level shall be not less than 1 footcandle (11 lux) at the walking surface. Along *exit access stairways*, exit stairways

and their ~~required~~ landings, the illumination level shall not be less than 10 footcandles (108 lux) at the walking surface when the *stairway* is in use.

Exception: For auditoriums, theaters, concert or opera halls and similar assembly occupancies, the illumination at the walking surface is permitted to be reduced during performances by one of the following methods provided that the required illumination is automatically restored upon activation of a premises' *fire alarm system*:

1. **Externally illuminated walking surfaces shall be permitted to be illuminated to not less than 0.2 footcandle (2.15 lux).**
2. **Steps, landings and the sides of *ramps* shall be permitted to be marked with *self-luminous* materials in accordance with Sections 1025.2.1, 1025.2.2 and 1025.2.4 by systems *listed* in accordance with UL 1994.**

Committee Reason: The committee removed the word 'required' from the illumination requirements because the actual landing may be larger than the 'required' landing. The comment added 'landing' back into the language, so this is now cleaner language for stairway requirements. (Vote: 14-0)

E31-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Revise comment as follows:

2024 International Building Code
1008.2.1 Illumination level under normal power. The *means of egress* illumination level shall be not less than 1 footcandle (11 lux) at the walking surface. Along *exit access stairways*, exit *stairways* and at their required landings, the illumination level shall be not less than 10 footcandles (108 lux) at the walking surface when the *stairway* is in use. Illumination levels on *stairways* shall be measured at the *nosing* of ~~each~~ landings ~~at the lowest *nosing* in each *flight*, and at one *nosing* in the middle of each *flight*,~~ and treads at a horizontal distance 12 inches (305 mm) to 14 inches (356 mm) from the stair side of each *handrail*.

Exception: For auditoriums, theaters, concert or opera halls and similar assembly occupancies, the illumination at the walking surface is permitted to be reduced during performances by one of the following methods provided that the required illumination is automatically restored upon activation of a premises' *fire alarm system*:

1. **Externally illuminated walking surfaces shall be permitted to be illuminated to not less than 0.2 footcandle (2.15 lux).**
2. **Steps, landings and the sides of *ramps* shall be permitted to be marked with self-luminous materials in accordance with Sections 1025.2.1, 1025.2.2 and 1025.2.4 by systems *listed* in accordance with UL 1994.**

2024 International Fire Code

[BE]1008.2.1 Illumination level under normal power. The *means of egress* illumination level shall be not less than 1 footcandle (11 lux) at the walking surface. Along *exit access stairways*, exit stairways and at their required landings, the illumination level shall not be less than 10 footcandles (108 lux) at the walking surface when the *stairway* is in use. Illumination levels on *stairways* shall be measured at the *nosing* of ~~each~~ landings, ~~at the lowest *nosing* in each *flight*, and at one *nosing* in the middle of each *flight*,~~ and treads at a horizontal distance 12 inches (305 mm) to 14 inches (356 mm) from the stair side of each *handrail*.

Exception: For auditoriums, theaters, concert or opera halls and similar assembly occupancies, the illumination at the walking surface is permitted to be reduced during performances by one of the following methods provided that the required illumination is automatically restored upon activation of a premises' *fire alarm system*:

1. **Externally illuminated walking surfaces shall be permitted to be illuminated to not less than 0.2 footcandle (2.15 lux).**

2. Steps, landings and the sides of *ramps* shall be permitted to be marked with *self-luminous* materials in accordance with Sections 1025.2.1, 1025.2.2 and 1025.2.4 by systems *listed* in accordance with UL 1994.

Committee Reason: With the floor modification the location where the inspector looks at the light levels can be where they anticipate issues, rather than measuring at every tread and landing. Only three points, as suggested in the comment, might be an issue with long stairways. (Vote: 10-4)

E32-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 2

Committee Modification: Modify the comment as follows:

2024 International Building Code

1008.2.1 Illumination level under normal power. The *means of egress* illumination level shall be not less than 1 footcandle (11 lux) at the walking surface. Along *exit access stairways*, *exit stairways* and at their required landings, the illumination level shall not be less than 10 footcandles (108 lux) at the walking surface when the *stairway* is in use.

Exceptions:

1. *Occupant sensor controls* shall be permitted to reduce illumination levels along the *means of egress* serving occupied rooms and spaces where the following conditions are met:
   1.1. When no occupants are present on *interior exit stairways*, the illumination level shall be not less than 1 footcandle (11 lux).
   1.2. When no occupants are present, in portions of the *means of egress* other than *interior exit stairways* ~~and where an emergency electrical system is required~~, the illumination level shall not be less than the intial illumination level required in Section 1008.3.2.
   1.3. Along *stairways*, when an occupant is present on a *landing*, the illumination level shall be automatically restored on that landing and on all *flights* immediately above and below that *landing*.
   1.4. Along *stairways*, when an occupant is present on a *flight*, the illumination level shall be automatically restored on that *flight* and on *landings* immediately above and below that *flight*.
   1.5. Along the *means of egress* in rooms and spaces other than *stairways*, the illumination level shall be automatically restored in each *occupant sensor* control zone when occupants are present.
   1.6. After the occupants leave each *occupant sensor* control zone, the illumination level shall be maintained for no less than 15 minutes.
   ~~1.7 In *interior exit stairways*, *interior exit ramps*, and *exit passageways* in buildings with fire alarm systems, the illumination level shall be automatically restored upon activation of the premises' fire alarm system.~~

2. For auditoriums, theaters, concert or opera halls and similar assembly occupancies, the illumination at the walking surface is permitted to be reduced during performances by one of the following methods provided that the required illumination is automatically restored upon activation of a premises' *fire alarm system*:
   2.1. Externally illuminated walking surfaces shall be permitted to be illuminated to not less than 0.2 footcandle (2.15 lux).
   2.2 Steps, landings and the sides of *ramps* shall be permitted to be marked with *self-luminous* materials in accordance with Sections 1025.2.1, 1025.2.2 and 1025.2.4 by systems *listed* in accordance with UL 1994.

2024 International Fire Code

[BE] 1008.2.1 Illumination level under normal power. The *means of egress* illumination level shall be not less than 1 footcandle (11 lux) at the walking surface. Along *exit access stairways*, *exit stairways* and at their required landings, the illumination level shall not be less than 10 footcandles (108 lux) at the walking surface when the *stairway* is in use.
Exceptions:

1. ***Occupant sensor controls*** **shall be permitted to reduce illumination levels along the *means of egress* serving occupied rooms and spaces where the following conditions are met:**
   1.1. **When no occupants are present on *interior exit stairways*, the illumination level shall be not less than 1 footcandle (11 lux).**
   1.2. **When no occupants are present, in portions of the *means of egress* other than *interior exit stairways*** ~~**and where an emergency electrical system is required**~~**, the illumination level shall not be less than the intial illumination level required in Section 1008.3.2.**
   1.3. **Along *stairways*, when an occupant is present on a *landing*, the illumination level shall be automatically restored on that landing and on all *flights* immediately above and below that *landing*.**
   1.4. **Along *stairways*, when an occupant is present on a *flight*, the illumination level shall be automatically restored on that *flight* and on *landings* immediately above and below that *flight*.**
   1.5. **Along the *means of egress* in rooms and spaces other than *stairways*, the illumination level shall be automatically restored in each *occupant sensor* control zone when occupants are present.**
   1.6. **After the occupants leave each *occupant sensor* control zone, the illumination level shall be maintained for no less than 15 minutes.**
   ~~1.7 In *interior exit stairways, interior exit ramps*, and *exit passageways* in buildings with fire alarm systems, the illumination level shall be automatically restored upon activation of the premises' fire alarm system.~~

2. **For auditoriums, theaters, concert or opera halls and similar assembly occupancies, the illumination at the walking surface is permitted to be reduced during performances by one of the following methods provided that the required illumination is automatically restored upon activation of a premises' *fire alarm system*:**
   2.1. **Externally illuminated walking surfaces shall be permitted to be illuminated to not less than 0.2 footcandle (2.15 lux).**
   2.2 **Steps, landings and the sides of *ramps* shall be permitted to be marked with *self-luminous* materials in accordance with Sections 1025.2.1, 1025.2.2 and 1025.2.4 by systems *listed* in accordance with UL 1994.**

Committee Reason: The floor modification McHugh 1 removed Item 1.7; this section has to very unlikely scenarios happening at the same time, so this requirement is not necessary.
The floor modification McHugh 2 revised Item 1.2 so that the provisions apply regardless if an emerency electrical system is required or not on the stairway.

The proposal in Comment 2 addressed the committees concerns where lighting is required when someone is moving up and down the stairway. This is performance criteria for lighting levels that allows flexibility in options for complaince. This will provide energy savings over the current requirements and will maintain a sufficient lighting for a safe egress path.

(Vote: 13-1)

E33-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The comment removed the sentence for the 1:40 ratio. The exit discharge has light from other source than those just on the lot. This would not take that into consideration, so it should be removed as a requirement. (Vote: 14-0)

E35-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify the comment as follows:
2024 International Building Code

1008.3 Illumination required by an emergency electrical system.
An emergency electrical system shall be provided to automatically illuminate the following areas in the event of a power supply failure:

1. **In rooms or spaces that require two or more exits or access to exits:**
   1.1. ***Aisles*.**
   1.2. ***Corridors*.**
   1.3. ***Exit access stairways* and *ramps*.**
2. **In *buildings* that require two or more exits or access to exits:**
   2.1. **Interior *exit access stairways* and *ramps*.**
   2.2. **Interior and *exterior exit stairways* and *ramps*.**
   2.3. **Exit passageways.**
   2.4. **Vestibules and areas on the level of discharge used for *exit discharge* in accordance with Section 1028.2.**
   2.5. **Exterior landings as required by Section 1010.1.5 for exit doorways that lead directly to the *exit discharge*.**
3. **In other rooms and spaces:**
   3.1. **Electrical equipment rooms.**
   3.2. ***Fire command centers*.**
   3.3. **Fire pump rooms.**
   3.4. **Generator rooms.**
   3.5. **Common areas of ~~multi-stall~~ multi-user toilet and bathing rooms in public restrooms.**

2024 International Fire Code

[BE] 1008.3 Illumination required by an emergency electrical system.
An emergency electrical system shall be provided to automatically illuminate the following areas in the event of a power supply failure:

1. **In rooms or spaces that require two or more *exits* or access to *exits*:**
   1.1. ***Aisles*.**
   1.2. ***Corridors*.**

1.3. *Exit access stairways* and *ramps*.

2. In buildings that require two or more *exits* or access to *exits*:
   2.1. *Interior exit access stairways* and *ramps*.
   2.2. *Interior* and *exterior exit stairways* and *ramps*.
   2.3. *Exit passageways*.
   2.4. Vestibules and areas on the level of discharge used for *exit discharge* in accordance with Section 1028.2.
   2.5. Exterior landings as required by Section 1010.1.5 for exit doorways that lead directly to the *exit discharge*.

3. In other rooms and spaces:
   3.1. Electrical equipment rooms.
   3.2. Fire command centers.
   3.3. Fire pump rooms.
   3.4. Generator rooms.
   3.5. Common areas of ~~multi-stall~~ multi-user toilet and bathing rooms in public restrooms.

Committee Reason: Floor modification Haupt 1 revised 'multi-stall' to 'multi-user' to clarify that this is for toilet rooms with mulitple fixtures; this is not intended to include family or assisted use toilet rooms. The committee added 'in public restrooms' to the end of the sentence to address the concerns raised during the discussion that removing 'public' could extend the application of this requirement to all toilet and bathing rooms.
The comment did address the committees concerns in the original proposal that this would require lighting in every stall. These rooms typically don't have windows and are ver dark; so lighting is needed for egress.

(Vote: 11-3)

E38-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E41-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E44-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E44-24

E48-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The definition of landing and the change to the sections will clarify the boundries and extent of landings. (Vote: 13-1)

E48-24

E49-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E49-24

E50-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify comment as follows:
2024 International Building Code

1010.2.1 Unlatching. The unlatching of any door or leaf for egress shall require not more than one motion in a single linear or rotational direction to release all latching and all locking devices. locking devices. *Manual bolts* are not permitted.

Exceptions:

1. **Places designed ~~and designated~~ for occupant detention, restraint, or containment .**
2. **Doors with *manual bolts*, *automatic flush bolts* and *constant latching bolts* as permitted by Section 1010.2.4, Item 4.**

3. Doors from individual *dwelling units* and *sleeping units* of Group R occupancies as permitted by Section 1010.2.4, Item 5.

1010.2.4 Locks and latches. Locks and latches shall be permitted to prevent operation of doors where any of the following exist:

1. Places designed ~~and designated~~ for occupant detention, restraint, or containment .
2. In Group I-1, Condition 2 and Group I-2 occupancies where the clinical needs of *persons* receiving care require containment or where *persons* receiving care pose a security threat, provided that all clinical staff can readily unlock doors at all times, and all such locks are keyed to keys carried by all clinical staff at all times or all clinical staff have the codes or other means necessary to operate the locks at all times.
3. In *buildings* in occupancy Group A having an *occupant load* of 300 or less, Groups B, F, M and S, and in *places of religious worship*, the main door or doors are permitted to be equipped with key-operated locking devices from the egress side provided that:
   3.1. The doors are the main exterior doors to the *building*, or the doors are the main doors to the tenant space.
   3.2. The locking device is readily distinguishable as locked.
   3.3. A readily visible durable sign is posted on the egress side on or adjacent to the door stating: THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED. The sign shall be in letters 1 inch (25 mm) high on a contrasting background.
   3.4. The use of the key-operated locking device is revocable by the *building official* for due cause.
4. *Manual bolts*, automatic flush bolts and *constant latching bolts* on the inactive leaf of a pair of doors in accordance with Table 1010.2.4, provided that the inactive leaf does not have a doorknob, *panic hardware*, or similar operating hardware.
5. Single exit doors complying with Section 1006.2.1 or 1006.3.4 from individual *dwelling* or *sleeping units* of Group R occupancies and equipped with a night latch, *dead bolt* or security chain that requires a second releasing motion, provided that such devices are openable from the inside without the use of a key or tool.
6. *Fire doors* after the minimum elevated temperature has disabled the unlatching mechanism in accordance with *listed fire door* test procedures.
7. Doors serving roofs not intended to be occupied shall be permitted to be locked preventing entry to the *building* from the roof.
8. Other than egress *courts*, where occupants must egress from an exterior space through the *building* for *means of egress*, exit access doors shall be permitted to be equipped with an approved locking device where installed and operated in accordance with all of the following:
   8.1. The maximum *occupant load* shall be posted where required by Section 1004.9. Such signage shall be permanently affixed inside the building and shall be posted in a conspicuous space near all the *exit access doorways*.
   8.2. A weatherproof telephone or two-way communication system installed in accordance with Sections 1009.8.1 and 1009.8.2 shall be located adjacent to not less than one required exit access door on the exterior side.
   8.3. The egress door locking device is readily distinguishable as locked and shall be a key-operated locking device.
   8.4. A clear window or glazed door opening, not less than 5 square feet (0.46 m^2) in area, shall be provided at each exit access door to determine if there are occupants using the outdoor area.
   8.5. A readily visible, durable sign shall be posted on the interior side on or adjacent to each locked required exit access door serving the exterior area stating, "THIS DOOR TO REMAIN UNLOCKED WHEN THE OUTDOOR AREA IS OCCUPIED." The letters on the sign shall be not less than 1 inch (25.4 mm) high on a contrasting background.
   8.6. The *occupant load* of the occupied exterior area shall not exceed 300 occupants in accordance with Section 1004.
9. Locking devices are permitted on doors to balconies, decks or other exterior spaces serving individual *dwelling* or *sleeping units*.

10. Locking devices are permitted on doors to balconies, decks or other exterior spaces of 250 square feet (23.23 m^2) or less serving a private office space.

2024 International Fire Code

[BE] 1010.2.1 Unlatching. The unlatching of any door orleaf for egress shall require not more than one motion ina single linear or rotational direction to release all latching and all locking devices. locking devices. Manual bolts are not permitted.

Exceptions:

1. Places designed ~~and designated~~ for occupant detention, restraint, or containment .
2. Doors with manual bolts, automatic flush bolts and constant latching bolts as permitted by Section 1010.2.4, Item 4.
3. Doors from individual *dwelling units* and *sleeping units* of Group R occupancies as permitted by Section 1010.2.4, Item 5.

[BE] 1010.2.4 Locks and latches. Locks and latches shall be permitted to prevent operation of doors where any of the following exist:

1. Places designed ~~and designated~~ for occupant detention, restraint, or containment .
2. In Group I-1, Condition 2 and Group I-2 occupancies where the clinical needs of persons receiving care require containment or where persons receiving care pose a security threat, provided that all clinical staff can readily unlock doors at all times, and all such locks are keyed to keys carried by all clinical staff at all times or all clinical staff have the codes or other means necessary to operate the locks at all times.
3. In buildings in occupancy Group A having an *occupant load* of 300 or less, Groups B, F, M and S, and in *places of religious worship*, the main door or doors are permitted to be equipped with key-operated locking devices from the egress side provided that:
   3.1. The doors are the main exterior doors to the building, or the doors are the main doors to the tenant space.
   3.2. The locking device is readily distinguishable as locked.
   3.3. A readily visible durable sign is posted on the egress side on or adjacent to the door stating: "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED." The sign shall be in letters 1 inch (25 mm) high on a contrasting background.
   3.4. The use of the key-operated locking device is revocable by the *fire code official* for due cause.
4. Manual bolts, automatic flush bolts and constant latching bolts on the inactive leaf of a pair of doors in accordance with Table 1010.2.4, provided that the inactive leaf does not have a doorknob, panic hardware, or similar operating hardware.
5. Single exit doors complying with Section 1006.2.1 or 1006.3.4 from individual *dwelling* or sleeping units of Group R occupancies and equipped with a night latch, dead bolt or security chain that requires a second releasing motion, provided that such devices are openable from the inside without the use of a key or tool.
6. Fire doors after the minimum elevated temperature has disabled the unlatching mechanism in accordance with *listed* fire door test procedures.
7. Doors serving roofs not intended to be occupied shall be permitted to be locked, preventing entry to the building from the roof.

8. Other than *egress courts*, where occupants must egress from an exterior space through the building for *means of egress*, *exit access* doors shall be permitted to be equipped with an *approved* locking device where installed and operated in accordance with all of the following:

   8.1. The maximum *occupant load* shall be posted where required by Section 1004.9. Such sign shall be permanently affixed inside the building and shall be posted in a conspicuous space near all the *exit access doorways*.

   8.2. A weatherproof telephone or two-way communication system installed in accordance with Sections 1009.8.1 and 1009.8.2 shall be located adjacent to not less than one required *exit access* door on the exterior side.

   8.3. The egress door locking device is readily distinguishable as locked and shall be a key-operated locking device.

   8.4. A clear window or glazed door opening, not less than 5 square feet (0.46 m^2) in area, shall be provided at each *exit access* door to determine if there are occupants using the outdoor area.

   8.5. A readily visible durable sign shall be posted on the interior side on or adjacent to each locked required *exit access* door serving the exterior area stating: "THIS DOOR TO REMAIN UNLOCKED WHEN THE OUTDOOR AREA IS OCCUPIED." The letters on the sign shall be not less than 1 inch (25.4 mm) high on a contrasting background.

   8.6. The *occupant load* of the occupied exterior area shall not exceed 300 occupants in accordance with Section 1004.

9. Locking devices are permitted on doors to balconies, decks or other exterior spaces serving individual *dwelling*or *sleeping units*.

10. Locking devices are permitted on doors to balconies, decks or other exterior spaces of 250 square feet (23.23 m^2) or less, serving a private office space.

Committee Reason: The floor modification removed 'or designated' because it is not clear what that would require. The comment clarifies the extent of the exception. (Vote: 12-2)

E53-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The comment clarifies that the exit discharge door is not part of Exception 2 since it is to the outside - that door can be locked so that people cannot enter the stairway from the outside. The original proposal is good editorial clarifications for locking arrangements. (Vote: 14-0)

E54-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The comment addressed the concerns expressed by the committee with the original proposal by removing the allowance for multiple doors in a series. The proposal provides criteria for locking doors on individual bedrooms within a suite

environment. (Vote: 14-0)

E59-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Revise the comment as follows:
2024 International Building Code
1010.2.8.2.1 Electrical equipment room doors. Exit doors and exit access doors of such electrical room, enclosure, or vault shall swing in the direction of egress travel, and, in other than Group R-3 one- and two-family dwelling, locks and latches on the doors shall be provided with panic hardware or fire exit hardware.

~~Exception: Room, enclosure, or vault in Group R-3 or R-4 occupancies containing ESS that comply with Section 1207.11 of the *International Fire Code*.~~

2024 International Fire Code
1010.2.8.2.1 Electrical equipment room doors. Exit doors and exit access doors of such electrical room, enclosure, or vault shall swing in the direction of egress travel, and, in other than Group R-3 one- and two-family dwellings, locks and latches on the doors shall be provided with panic hardware or fire exit hardware.

~~Exception: Room, enclosure, or vault in Group R-3 or R-4 occupancies containing ESS that comply with Section 1207.11.~~

Committee Reason: The modification and comment, for one- and two- family dwellings, keep doors from these electrical rooms swinging out, but does not require panic hardware. (Vote: 13-0)

E60-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee felt in CAH1 that Item 5, new Exception 3, that allows for two delayed egress locks in a series would be difficult to program and test. The comment removed that exception. (Vote: 13-0)

E63-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: These portals are common in airports and should be included in the code. Typically there are many rules addressed through airport operation and security. The code official could ask for additional information under Item 2. (Vote: 12-1)

E65-24

Committee Action: **Withdrawn**

E67-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 2

Committee Reason: The comment clarifies how to measure the lowest riser or a single riser. This also addresses the issue with a sloped bottom landing at exterior stairways. (Vote: 12-2)

E68-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The comment clarifies the language for nosing projections size and uniformity. (Vote: 14-0)

E69-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The comment added a new exception 4 that is a coordination with IRC. This allows for a smaller stairway where the 10-inch tread is permitted in Section 1011.5.2 Exception (in Group R-3 and within dwelling units in Group R-2). (Vote: 12-2)

E69-24

E70-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E70-24

E71-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E71-24

E73-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The comment addressed the concerns expressed in the committee reason to CAH1. Contrast is understood without a referenced standard. The stripes on every tread for all exit stairways will improve safety and reduce fall hazards. (Vote: 10-3)

E73-24

E74-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E74-24

E78-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Revise comment as follows:
2024 International Building Code

1013.6.2 Exit symbols. Every graphical ~~Graphical~~ symbol exit ~~signs~~ sign shall ~~be based on Figure 1013.6.2 and the symbol shall be a minimum of 5.91 inches (150 mm) high~~ include the running man symbol and arrow or arrows in accordance with Section 42 of UL 924. The symbols shall be in high contrast with the background and shall be clearly discernible when the means of exit sign illumination is or is not energized.

~~FIGURE1013.6.2INTERNATIONAL EXIT SYMBOL~~

~~1013.6.2.1 Detail proportions and color requirements. The proportions of the graphic exit symbol, and the size and positioning of any arrow, shall be in accordance with UL 924. The color of the doorway and arrow shall be white. The background and person moving through the doorway shall be green.~~

1013.6.3 Textual and graphic symbol exit signs. Exit signs shall include the text, the graphic symbol or a combination of both the text and graphic symbol. ~~Where a combination of text and symbol is used, the text shall be permitted to be reduced in size.~~ Where text and symbol are both provided, the text shall not obstruct the symbol or arrow. The exit text and symbols shall be on one sign or two adjacent signs.

2024 International Fire Code

1013.6.2 Exit symbols. Every graphical ~~Graphical~~ symbol exit ~~signs~~ sign shall ~~be based on Figure 1013.6.2 and the symbol shall be a minimum of 5.91 inches (150 mm) high~~ include the running man symbol and arrow or arrows in accordance with Section 42 of UL 924. The symbols shall be in high contrast with the background and shall be clearly discernible when the means of exit sign illumination is or is not energized.

~~FIGURE1013.6.2 INTERNATIONAL EXIT SYMBOL~~

~~1013.6.2.1 Detail proportions and color requirements. The proportions of the graphic exit symbol, and the size and positioning of any arrow, shall be in accordance with UL 924. The color of the doorway and arrow shall be white. The background and person moving through the doorway shall be green.~~

[BE] 1013.6.3 Textual and graphic symbol exit signs. Exit signs shall include the text, the graphic symbol or a combination of both the text and graphic symbol. ~~Where a combination of text and symbol is used, the text shall be permitted to be reduced in size.~~ Where text and symbol are both provided, the text shall not obstruct the symbol or arrow. The exit text and symbols shall be on one sign or two adjacent signs.

Committee Reason: The modification (Wharton MC2) references UL924 for the running man symbol. This standard has additional information, so the new text will be accurate and consistent. The modification (Wharton MC4) removed the sentence about reducing the text size because there was no guidance. The proposal was approved because this makes the allowances for exit signs that are externally illuminated consistent with internally illuminated exit signs. (Vote: 14-0)

E79-24

Committee Action: None-CA (Consent Agenda)

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda. See E82-24.

E80-24

Committee Action: None-CA (Consent Agenda)

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda. See E81-24.

E81-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: The comment clarfies the dimensions for handrails. The list format improves understanding. The drawings in the reason should go into commentary. (Vote: 14-0)

E82-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Modification: Revise the comment as follows:
2024 International Building Code

1014.5 Continuity.

Handrail gripping surfaces shall be continuous along their length without interruptions by posts or other obstructions along their tops or sides. The bottoms of handrails shall not be obstructed for more than 20 percent of their length, within $1^{1}/_{2}$ inches (38 mm) below the bottom of the handrail's gripping surface.

Exceptions:

1. **Within a *dwelling* unit that is not an *Accessible unit* or *Type A unit*, the continuity of handrail gripping surfaces is allowed to be interrupted by a newel post at a turn or landing.**
2. **Within a *dwelling unit*, the use of a volute, turnout, starting easing or starting newel is allowed over the lowest tread.**
3. **Supports or infill in accordance with Section 1014.6.**
4. **Where crash rails or bumper guards with integral handrails are provided at slopes not steeper than 1:20 a Type II gripping surface shall be permitted.**
5. **Where Type II handrails are provided in accordance with Section 1014.6, the portion of the handrail below the gripping surface specified in Section 1014.4.2 shall be permitted to be obstructed along its entire length.**
6. ***Handrails* serving stepped *aisles* or ramped *aisles* are permitted to be discontinuous in accordance with Section 1030.16.1.**

1014.6 Clearance.

Clear space between a *handrail* and a wall or other surface shall be not less than $1\frac{1}{2}$ inches (38 mm). Horizontal projections ~~of supports~~ beyond the sides of handrails shall occur $1\frac{1}{2}$ inches (38 mm) minimum below the bottom of the handrails gripping surface. A *handrail* and a wall or other surface adjacent to the *handrail* shall be free of any sharp or abrasive elements.

Exceptions:

1. **A decrease in the clearance due to the curvature or angle of handrail returns shall be allowed.**
2. **Mounting flanges not more than $\frac{1}{2}$-inch (12.7 mm) in thickness at the returned ends of handrails shall be allowed.**
3. **For each $\frac{1}{2}$ inch (12.7 mm) of additional handrail perimeter dimension above 4 inches (102 mm) , the vertical clearance dimension of $1\frac{1}{2}$ inches (38 mm) from the bottom of the handrail gripping surface shall be permitted to be reduced by $\frac{1}{8}$ inch (3.2 mm).**

2024 International Fire Code

[BE] 1014.5 Continuity.

Handrail gripping surfaces shall be continuous along their length without interruptions by posts or other obstructions along their tops or sides. The bottoms of handrails shall not be obstructed for more than 20 percent of their length, within $1\frac{1}{2}$ inches (38 mm) below the bottom of the handrail's gripping surface.

Exceptions:

1. **Within a dwelling unit that is not an Accessible unit or Type A unit, the continuity of handrail gripping surfaces is allowed to be interrupted by a newel post at a turn or landing.**
2. **Within a *dwelling unit*, the use of a volute, turnout, starting easing or starting newel is allowed over the lowest tread.**
3. **Supports or infill in accordance with Section 1014.6.**
4. **Where crash rails or bumper guards with integral handrails are provided at slopes not steeper than 1:20 a Type II gripping surface shall be permitted.**
5. **Where Type II handrails are provided in accordance with Section 1014.6, the portion of the handrail below the gripping surface specified in Section 1014.4.2 shall be permitted to be obstructed along its entire length.**
6. ***Handrails* serving stepped *aisles* or ramped *aisles* are permitted to be discontinuous in accordance with Section 1030.16.1.**

[BE]1014.6 Clearance.

Clear space between a *handrail* and a wall or other surface shall be not less than $1\frac{1}{2}$ inches (38 mm). Horizontal projections ~~of supports~~ beyond the sides of handrails shall occur $1\frac{1}{2}$ inches (38 mm) minimum below the bottom of the handrails gripping

surface. A *handrail* and a wall or other surface adjacent to the *handrail* shall be free of any sharp or abrasive elements.
Exceptions:

1. A decrease in the clearance due to the curvature or angle of handrail returns shall be allowed.
2. Mounting flanges not more than $^{1}/_{2}$-inch (12.7 mm) in thickness at the returned ends of handrails shall be allowed.
3. For each $^{1}/_{2}$ inch (12.7 mm) of additional handrail perimeter dimension above 4 inches (102 mm) , the vertical clearance dimension of 1 $^{1}/_{2}$ inches (38 mm) from the bottom of the handrail gripping surface shall be permitted to be reduced by $^{1}/_{8}$ inch (3.2 mm).

Committee Reason: The modification is a cleanup. The comment is an additional cleanup of handrail requirements that is consistent with the intent of the original proposal. (Vote: 14-0)

E82-24

E86-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E86-24

E87-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E87-24

E89-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification: Revises the comment as follows:

2024 International Building Code

1015.2 Where required. *Guards* shall be located along open-sided walking surfaces, such as *mezzanines*, *equipment platforms*, *aisles*, *stairs*, *ramps* and landings, and adjacent to retaining walls that are located more than 30 inches (762 mm) measured vertically to the floor or grade below at any point within 36 inches (914 mm) horizontally to the edge of the open side and at the perimeter of *occupiable roofs*.

~~Guards shall be located at retaining walls having an upper grade level that is more than 30 inches (762 mm) measured vertically above the lower grade level at any point within 36 inches (914 mm) horizontally from the exposed face of wall, and is open to unanticipated pedestrian access that would have the possibility of a fall to a lower level such as a walking surface, parking area, playground, yard, planter or similar use areas.~~

Guards shall be adequate in strength and attachment in accordance with Section 1607.9.

Exceptions: *Guards* are not required for the following locations:

1. On the loading side of loading docks or piers.
2. On the audience side of *stages* and raised *platforms*, including *stairs* leading up to the *stage* and raised *platforms*.
3. On raised *stage* and *platform* floor areas, such as runways, *ramps* and side *stages* used for entertainment or presentations.
4. At vertical openings in the performance area of *stages* and *platforms*.
5. At elevated walking surfaces appurtenant to *stages* and *platforms* for access to and utilization of special lighting or equipment.
6. Along vehicle service pits not accessible to the public.
7. In assembly seating areas at cross *aisles* in accordance with Section 1030.17.2.
8. On the loading side of station platforms on fixed guideway transit or passenger rail systems.
9. Portions of an *occupiable roof* located less than 30 inches (762 mm) measured vertically to adjacent unoccupiable roof areas where *approved guards* are present at the perimeter of the roof.
10. At portions of an *occupiable roof* where an *approved* barrier is provided.
11. At retaining walls in locations that cannot be accessed by the public ~~as determined by the building official~~.

2024 International Fire Code

[BE] 1015.2 Where required.

Guards shall be located along open-sided walking surfaces, such as *mezzanines*, *equipment platforms*, *aisles*, *stairs*, *ramps* and landings, <u>and adjacent to retaining walls</u> that are located more than 30 inches (762 mm) measured vertically to the floor or grade below at any point within 36 inches (914 mm) horizontally to the edge of the open side and at the perimeter of *occupiable roofs*. ~~Guards shall be located at retaining walls having an upper grade level that is more than 30 inches (762 mm) measured vertically above the lower grade level at any point within 36 inches (914 mm) horizontally from the exposed face of wall, and is open to unanticipated pedestrian access that would have the possibility of a fall to a lower level such as a walking surface, parking area, playground, yard, planter or similar use areas.~~ *Guards* shall be adequate in strength and attachment in accordance with Section 1607.9.

Exception: *Guards* are not required for the following locations:

1. On the loading side of loading docks or piers.
2. On the audience side of stages and raised platforms, including *stairs* leading up to the stage and raised platforms.
3. On raised stage and platform floor areas, such as runways, *ramps* and side stages used for entertainment or presentations.
4. At vertical openings in the performance area of stages and platforms.
5. At elevated walking surfaces appurtenant to stages and platforms for access to and utilization of special lighting or equipment.
6. Along vehicle service pits not accessible to the public.
7. In assembly seating areas at cross *aisles* in accordance with Section 1030.17.2.
8. On the loading side of station platforms on fixed guideway transit or passenger rail systems.
9. Portions of an *occupiable roof* located less than 30 inches (762 mm) measured vertically to adjacent unoccupiable roof areas where approved guards are present at the perimeter of the roof.

10. At portions of an *occupiable roof* where an *approved* barrier is provided.

11. At retaining walls in locations that cannot be accessed by the public ~~as determined by the building code official~~.

Committee Reason: The modification removed the redundant language in the comment for retaining walls. The modification to the exception removed 'as determined by the building official' because the building official interprets everything in the code - therefore, this is also redudent language. The comment moved the guard requirements for guards from Chapter 18 to Section 1015 where it belongs. (Vote: 10-3)

E89-24

E91-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify the comment as follows:

2024 International Building Code

1015.3 Height.

Required *guards* shall be not less than 42 inches (1067 mm) high, measured vertically as follows:

1. From the adjacent walking surfaces.
2. On *stairways* and stepped *aisles*, from the line connecting the *nosings*.
3. On *ramps* and ramped *aisles*, from the ramp surface at the guard.

Exceptions:

1. For occupancies in Group R-3 and within individual *dwelling units* in occupancies in Group R-2, the required height of *guards* is permitted to be reduced in accordance with the following:

   1.1. Where not more than three *stories* above grade in height and with separate *means of egress*, required *guards* shall be not less than 36 inches (914 mm) in height measured vertically above the adjacent walking surfaces.

   1.2. ~~Where~~ Within the interior conditioned space of individual dwelling units, where the open-sided walking surface is located not more than 25 feet (7.62 meters) measured vertically to the floor or walking surface below, required *guards* shall not be less than 36 inches (914 mm) in height measured vertically above the adjacent walking surface.

   1.3. *Guards* on the open sides of *stairs* shall have a height not less than 34 inches (864 mm) measured vertically from a line connecting the *nosings*.

   1.4. Where the top of the *guard* serves as a *handrail* on the open sides of *stairs*, the top of the *guard* shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the *nosings*.

   1.5. At the transition of the handrail to the guard at the top of a flight, the required guard height shall not be less than the handrail height for a distance not greater than 12 inches (305 mm) as measured horizontally from the landing nosing.

2. The *guard* height in assembly seating areas shall comply with Section 1030.17 as applicable.

3. Along *alternating tread devices* and ships ladders, *guards* where the top rail serves as a *handrail* shall have height not less than 30 inches (762 mm) and not more than 34 inches (864 mm), measured vertically from a line connecting the leading edge of the treads.

4. In Group F occupancies where *exit access stairways* serve fewer than three *stories* and such *stairways* are not open to the public, and where the top of the *guard* also serves as a *handrail*, the top of the *guard* shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the nosings.

2024 International Fire Code

[BE] 1015.3 Height.

Required *guards* shall be not less than 42 inches (1067 mm) high, measured vertically as follows:

1. From the adjacent walking surfaces.
2. On *stairways* and stepped *aisles*, from the line connecting the *nosings*.
3. On *ramps* and ramped *aisles*, from the *ramp* surface at the *guard*.

Exceptions:

1. For occupancies in Group R-3 and within individual *dwelling units* in occupancies in Group R-2, the required height of *guards* is permitted to be reduced in accordance with the following:

   1.1. Where not more than three *stories* above grade in height and with separate *means of egress*, required *guards* shall be not less than 36 inches (914 mm) in height measured vertically above the adjacent walking surfaces.

   1.2. ~~Where~~ Within the interior conditioned space of individual dwelling units, where the open-sided walking surface is located not more than 25 feet (7.62 meters) measured vertically to the floor or walking surface below, required *guards* shall not be less than 36 inches (914 mm) in height measured vertically above the adjacent walking surface.

   1.3. *Guards* on the open sides of *stairs* shall have a height not less than 34 inches (864 mm) measured vertically from a line connecting the *nosings*.

   1.4. Where the top of the *guard* serves as a *handrail* on the open sides of *stairs*, the top of the *guard* shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the *nosings*.

   1.5. At the transition of the handrail to the guard at the top of a flight, the required guard height shall not be less than the handrail height for a distance not greater than 12 inches (305 mm) as measured horizontally from the landing nosing.

2. The *guard* height in assembly seating areas shall comply with Section 1030.17 as applicable.

3. Along *alternating tread devices* and ships ladders, *guards* where the top rail serves as a *handrail* shall have height not less than 30 inches (762 mm) and not more than 34 inches (864 mm), measured vertically from a line connecting the leading edge of the treads.

4. In Group F occupancies where *exit access stairways* serve fewer than three *stories* and such *stairways* are not open to the public, and where the top of the *guard* also serves as a *handrail*, the top of the *guard* shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the nosings.

Committee Reason: The modification restored the limitation for the 36" high guard to only be permitted within a dwelling unit. The comment removes redudent language in the first 5 items. The comment clarified in Exception 1.5 what happens at the transition betweeen a guard at a balcony and the handrail on the stairway. (Vote: 14-0)

E93-24

Committee Action: As Submitted

Approved Comments: Comment 1

Committee Reason: Approval of this change would be consistent with what the committee did for E16, E22 and E95. The limits of a NFPA 13D sprinkler system is in Chapter 9 of the IBC and IFC. This proposal does only provides the travel distance limits for where an NFPA 13D system is provided. (Vote: 11-3)

E96-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E97-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E107-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2

Committee Reason: The 2 comments are a clarfication of the provisions for the exterior stairways at the breezeway and at the level of exit discharge. Comment 2 provided additional references for egress courts and exit discharge that addessed the committee's concerns from CAH1 for the extent of the stairway protection at the level of exit discharge. (Vote: 12-1)

E110-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E111-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The comment clarifies that 'area' is the entire story, not just under the lobby that is serving as the path for exit

discharge. By adding 'useable', this would also require a rated floor over spaces such as crawl spaces or open storage areas. (Vote: 7-5)

E111-24

E114-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E114-24

E117-24

Committee Action: None-PC (Public Comment)

Committee Modification: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E117-24

E119-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Modification:
Revise the comment as follows:
1106.3.1 Parking for ~~serving other facilities~~ other occupancies.

~~In parking lots~~ Parking serving other than Group R-2, R-3 and R-4 ~~occupancies, where parking spaces are provided serving other facilities, parking for such facilities~~ shall be provided in accordance with Section 1106.2.

Committee Reason: The modification reworks the comment and clarifies that where parking is provided for other than residents in an apartment or townhouse comples, that such parking should comply with the general parking requirements. This is consistent with the intent of the original proposal. (Vote: 14-0)

E119-24

E120-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Revise the comment as follows:

1112.1 Signs. Required accessible elements shall be identified by the International Symbol of Accessibility at the following locations.

1.	Accessible parking spaces required by Section 1106.2. Exception: Where the total number of parking spaces provided is four or less, identification of accessible parking spaces is not required.
2.	Accessible parking spaces required by Section 1106.3. Exception: In Group I-1, R-2, R-3 and R-4 *facilities*, where parking spaces are assigned to specific *dwelling units* or *sleeping units*, identification of accessible parking spaces is not required.
3.	Accessible passenger loading zones.
4.	Accessible toilet or bathing rooms where not all toilet or bathing rooms are *accessible*.
5.	Accessible entrances where not all entrances are accessible.
6.	Accessible checkout aisles where not all aisles are accessible. The sign, where provided, shall be above the checkout aisle in the same location as the checkout aisle number or type of checkout identification.
7.	Accessible dressing, fitting and locker rooms where not all such rooms are accessible.
8.	*Accessible areas of refuge* in accordance with Section 1009.9.
9.	Exterior areas for assisted rescue in accordance with Section 1009.9.
10.	In recreational *facilities*, lockers that are required to be accessible in accordance with Section 1110.12.
11.	Accessible electric vehicle charging station signs shall include "Accessible EV Charging - Use Last". ~~Signs shall be 60 inches (1525 mm) minimum above the floor of the vehicle charging space, measured to the bottom of the sign~~.

Committee Reason: The removal of the technical provisions is a coordination with the draft for the next edition of ICC A117.1, however, a public comment may be required to coordinate with the federal final rule for EV charging stations that is currently in progress. The last sentence of Section 1107.2.1 for double counting the accessible parking and EV charging stations is confusing and could lead to double counting of the same space. (Vote: 11-3)

E120-24

E122-24

Committee Action: **As Submitted**

Approved Comments: Comment 1

Committee Reason: The next edition of ICC A117.1 is in it's final ballot stage, therefore it should be ready to be referenced in the 2027 IBC. The technical provisions deleted here for assisted toileting and bathing are now included in that standard. (Vote: 14-0)

E122-24

E123-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

E123-24

E127-24 Part I

Committee Action: **As Submitted**

Approved Comments: Comment 1

Committee Reason: The IAPMO Z1390 safety standard for assistive tables is now complete. Reference of this standard would be consistent with ICC A117.1. The official title and edition are - IAPMO/ANSI/CAN Z1390-2024e1 Assistive Table. (Vote: 14-0)

E127-24 Part I

International Building Code - Structural

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

S2-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

S2-24

S4-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

S4-24

S5-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

S5-24

S9-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee noted that the working group appropriately merged proposals S8 & S9. (Vote: 10-0)

S9-24

International Fire Code

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

F5-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee stated that the reason for the approval of the comment was that it clears up the requirements for bonfires, open burning, recreational fires and portable outdoor fireplaces in the code. The clarification provided by the comment was as stated in the proponent's reason statement. (Vote: 14-0)

F5-24

F7-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action

F7-24

F13-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F13-24

F23-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concern and as supported in the reason statement by the proponent. This comment appropriately combines the GHS (Revision 7) classifications to align Federal standards for Hazardous Material Classification with the Building Code and Fire Code. (Vote: 12-2)

F23-24

F24-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concern to distinguish between inert compressed gases and inert cryogenic fluids, as addressed in the reason. The new definition for Inert Cryogenic Fluid was also presented.

(Vote: 14-0)

F24-24

F26-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concern. The reason statement supported the combination of the GHS transport types and the burning rate of the specific material to determine the Organic Peroxide classification in the Building Code and Fire Code.

(Vote: 14-0)

F26-24

F34-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concern and as supported in the reason statement by the proponent to coordinate the Building Code and Fire Code. (Vote: 11-1)

F34-24

F36-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F40-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F41-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:

308.3.1 Open-flame decorative devices. Open-flame decorative devices shall comply with all of the following restrictions:

1. **Class I and Class II liquids shall not be used.**
2. ~~**Flammable gases shall not be used unless installed as part of a permanent appliance in accordance with the International Fuel Gas Code.**~~
   Flammable gases shall only be used with permanent appliances installed in accordance with the *International Fuel Gas Code*.
3. **Liquid- or solid-fueled lighting devices containing more than 8 ounces (237 ml) of fuel must self-extinguish and not leak fuel at a rate of more than 0.25 teaspoon per minute (1.26 ml per minute) if tipped over.**
4. **The device or holder shall be constructed to prevent the spillage of liquid fuel or wax at the rate of more than 0.25 teaspoon per minute (1.26 ml per minute) when the device or holder is not in an upright position.**
5. **The device or holder shall be designed so that it will return to the upright position after being tilted to an angle of 45 degrees (0.79 rad) from vertical.**
   Exception: Devices that self-extinguish if tipped over and do not spill fuel or wax at the rate of more than 0.25 teaspoon per minute (1.26 ml per minute) if tipped over.
6. **The flame shall be enclosed except where openings on the side are not more than 0.375-inch (9.5 mm) diameter or where openings are on the top and the distance to the top is such that a piece of tissue paper placed on the top will not ignite in 10 seconds.**
7. **Chimneys shall be made of noncombustible materials and securely attached to the open-flame device.**
   Exception: A chimney is not required to be attached to any open-flame device that will self-extinguish if the device is tipped over.
8. **Fuel canisters shall be safely sealed for storage.**
9. **Storage and handling of *combustible liquids* shall be in accordance with Chapter 57.**
10. **Shades, where used, shall be made of noncombustible materials and securely attached to the open-flame device holder or chimney.**
11. **Candelabras with flame-lighted candles shall be securely fastened in place to prevent overturning, and shall be located away from occupants using the area and away from possible contact with drapes, curtains or other combustibles.**

Committee Reason: The committee stated that the reason for the approval of the modification and the comment was that it clears up confusion with the proposal. Specifically, it added the condition that the device has to be part of a permanent appliance. (Vote: 12-0)

F43-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The reason for the approval of the comment was that based on the recommended revision, this section will only apply to use in hazardous locations only, not everywhere. Essentially, the language more appropriately focuses upon hazardous locations versus all locations. (Vote: 11-2)

F44-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:

310.1 General. Smoking, vaping or carrying a lighted pipe, cigar, or cigarette or carrying any other type of lighted smoking or vaping paraphernalia or material is prohibited in the areas indicated in Sections 310.2 through 310.8.

Committee Reason: The reason for the approval of the comment with the modification was based on the clarification of the intent of the requirements for the other types of smoking with the addition of the words carrying and lighted. Specifically, there was a need to add the various types of hazards. The modification to add "lighted" makes it clear when smoking and vaping paraphernalia are hazardous. (Vote: 13-1)

F45-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
312.1.1 Detached one- and two-family dwellings and ~~townhouses~~ townhouse units. Impact protection required for detached one-and two-family dwellings and *townhouse units* shall be provided in accordance with Section 312.4

312.4 Detached one- and two-family dwellings and ~~townhouses~~ townhouse units. Where equipment or appliances are installed or located in the normal driving path of vehicle travel, impact protection shall comply with Sections 312.4.1 and 312.4.2.

312.4.2 Impact protection options.

Where ~~a feature~~, an appliance or equipment is required to be protected from impact , such protection shall comply with one of the following:

1. **Bollards constructed in accordance with one of the following:**
   1.1. **Minimum 48 inches (1219 mm) in length by 3 inches (76 mm) in diameter Schedule 80 steel pipe embedded in a concrete pier not less than 12 inches (304 mm) deep and 6 inches (152 mm) in diameter, with at least 36 inches (914 mm) of pipe exposed, filled with concrete and spaced at a maximum interval of 5 feet (1524 mm). Each bollard shall be located not less than 6 inches (152 mm) from ~~a feature~~ the appliance or equipment.**
   1.2. **Minimum 36 inches (914 mm) in height by 3 inches (76 mm) in diameter Schedule 80 steel pipe fully welded to a minimum 8 inches (203 mm) by ¼-inch (6.4 mm) thick steel plate and bolted to a concrete floor by means of four ½-inch (13 mm) concrete anchors with 3-inch (76 mm) minimum embedment. Spacing shall be not greater than 60 inches (1524 mm), and each bollard shall be located not less than 6 inches (152 mm) from the ~~feature,~~ appliance or equipment.**
   1.3. **Premanufactured steel pipe bollards shall be filled with concrete and anchored in accordance with the manufacturer's installation instructions, with spacing not greater than 60 inches (1524 mm). Each bollard shall be located not less than 6 inches (152 mm) from the ~~feature,~~ appliance or equipment.**
2. **Wheel barriers constructed in accordance with one of the following:**
   2.1. **Four inches (102 mm) in height by 5 inches (127 mm) in width by 70 inches (1778 mm) in length wheel barrier made of concrete or polymer, anchored to the concrete floor not less than every 36 inches (914 mm) and located not less than 54 inches (1372 mm) from the ~~feature,~~ appliance or equipment. Minimum 3½-inch (89 mm) diameter concrete anchors with 3-inch (76 mm) embedment per barrier shall be used. Spacing between barriers shall be not greater than 36 inches (914 mm).**
   2.2. **Premanufactured wheel barriers shall be anchored in accordance with the manufacturer's installation instructions.**
3. ***Approved* method designed to resist a 2,000-pound-force (8896 N) impact in the direction of travel at 24 inches (610 mm) above grade.**

Committee Reason: The committee stated that the reason for the approval of the modification was that it clears up a couple of issues and works with previous action. Specifically, the feature was not appropriate as the focus should only be on an appliance or equipment. The stated reason for the approval of the comment was the desire to bring back the vehicle protection requirements in Section 312. (Vote: 14-0)

F48-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
316.7 Electrified fences. Electrified fences ~~for securing commercial and industrial property~~ shall meet the requirements of Sections 316.7.1 to 316.7.3.

Exception: This section does not apply to agricultural occupancies and operations.

Committee Reason: The reason for the approval of the modification is that it removes improper limitations where otherwise multiple facilities could have electrified fences. Essentially, it revises the language to address any electrified fences without limiting it to commercial or industrial properties. Further, the comment enhances firefighter safety and it is important for those that are responding to these emergencies to have an awareness and ability to shut electric fences off in the event of an emergency. (Vote: 14-0)

F48-24

F53-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F53-24

F56-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F56-24

F58-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 2, Comment 1, Comment 3

Committee Modification:
Modify Comment as follows:
322.2.2.4 Prohibited storage. Storage of combustible materials, combustible waste or hazardous materials shall not be permitted within 5 feet (1524 mm) of designated charging areas ~~in the indoor charging location~~.

322.2.2.8 Device charging separation. A minimum of 18 inches (457.2 mm) shall be maintained between the locations of the batteries on each powered micromobility device, industrial truck, equipment, robot, or appliance during charging operations unless smaller separation distances are indicated in the manufacturers installation instructions.

Committee Reason: The committee stated that the reason for the approval of the modification was that it appropriately allows for some combustible material within the charging area. The reason for the approval of comment 1 was that it is appropriate to drop to the 200 Watt hours to address what was intended to be allowed without regulation. Comment 2 was approved as it appropriately includes charging and repairs within the scope of the section. This comment also clarifies that the permit requirements are specifically associated with Section 322. The reason for the approval of comment 3 was that it adds a list of equipment in order to address other types of battery powered equipment. (Vote: 12-1)

F61-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F62-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F67-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: The committee agreed that the comment clarifies the Fire Safety Plan to identify the location of the keys needed to unlock doors that have been permitted. (Vote: 14-0)

F70-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: The committee agreed that the language addresses their previous concern and clarifies that where a mass notification risk analysis has been developed, the occupant notification and instructions are to be provided in the lockdown plan for a mass notification event. (Vote: 14-0)

F72-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F72-24

F73-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed there needs to be criteria for the use of reclaimed and recycled water for fire protection purposes, and that a level of reclamation and filtration is adequate and safe for the firefighters and equipment. (Vote: 14-0)

F73-24

F74-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F74-24

F82-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
604.3.4 Temperature control.
Where standby power is ~~connected to~~ provided for elevators, the system for temperature control of spaces ~~containing elevator equipment provided~~ in accordance with Section 3005.2 of the International Building Code, shall be connected to the standby power source.

Committee Reason: The committee agreed with the changes addressed in the comment 1 and the floor modification. The modification aligns the language with Section 3005.2 of the IBC, and with the terminology used in other sections of the code, relating to elevator machine rooms. The modification also specifies that standby power is to be provided for the temperature control equipment, when standby power is provided for the elevator.

(Vote: 12-2)

F82-24

F86-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:
SECTION 611
ELECTRIC VEHICLE CHARGING EQUIPMENT ~~STATIONS~~

611.1 Disconnecting Means.
For permanently connected electric vehicle supply equipment and wireless power transfer equipment, equipment disconnects and emergency shutoff shall be installed in a location approved by the fire code official in accordance with NFPA 70.

Committee Reason: The committee agreed that requirements in the IFC must correlate with the requirements in NFPA 70 for electric vehicle power transfer systems for both equipment disconnects and emergency shutoff. The committee also agreed that the modification will add further language that equipment disconnects, and emergency shutoff be in a location approved by the fire code official. The committee suggested that language be added for signage. (Vote: 11-2)

F88-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
705.2.4 Door operation. ~~Automatic-closing swinging~~ Swinging fire doors shall close and latch from the full-open position and from any position of 30 degrees (0.52 rad) open to full-open.
~~Self-closing swinging fire doors shall close and latch from any position of 30 degrees (0.52 rad) open to full-open.~~
Exception: ~~Self-closing and automatic-closing swinging~~ Swinging fire doors with closers utilizing cables, chains or ropes, and pulleys and counterweights shall close and latch from any open position.

Committee Reason: The committee stated that the reason for the approval of the comment with the modification was that it simplifies and clarifies the language. Specifically, it reduces the description of the requirement to only include the necessary criteria that is easier to understand and enforce. (Vote: 13-0)

F90-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The reason for the approval of the comment was that it clarifies the requirements for the repair of the fire resistant material. Essentially, it gives specific direction as to how to address repairs to the fire resistant material.

(Vote: 13-0)

F90-24

F93-24

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were withdrawn so no action taken. Proposal placed on the consent agenda.

F93-24

F100-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed with the changes addressed in comment 1 and as supported in the reason statement regarding that the provisions for attic protection under NFPA 13R for R-4 Condition 2 occupancies. (Vote: 14-0)

F100-24

F102-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F102-24

F103-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F103-24

F108-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F108-24

F110-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F110-24

F111-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F111-24

F116-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F116-24

F117-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:

International Fire Code

904.7.1 Foam concentrate type. The foam concentrate type utilized in foam-extinguishing systems shall be in accordance with NFPA 11

and shall be approved by the fire code official ~~and~~ with notification to the fire chief.

904.7.2.1 Foam concentrate test. Where the foam concentrate supply fails the annual quality condition test required in Section 11.3.1.1 of NFPA 25, the owner shall notify the fire code official. The foam concentrate shall be replaced in a manner approved by the fire code official ~~and~~ with notification to the fire chief.

International Building Code

[IFC] 904.7.1 Foam concentrate type. The foam concentrate type utilized in foam-extinguishing systems shall be in accordance with NFPA 11 and shall be approved by the fire code official ~~and~~ with notification to the fire chief.

Committee Reason: The committee agreed with the changes addressed in comment 1 that simply involves the appropriate officials to be involved in selecting the proper replacement of foam concentrate versus simply prohibiting foams containing PFAS. The modification by the committee to strike out "and" and replace with "with notification to" addressed the committees concern regarding too many people making decisions. This is supported in the reason statement by the proponent.

(Vote: 9-3)

F117-24

F152-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F152-24

F153-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F153-24

F159-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed with the changes addressed in comment 1 and reason statement to include the term paint shop for Group I-2 occupancies. This revision will further clarify the language in the IBC and IFC. (Vote: 14-0)

F159-24

F161-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:

1207.12 Pre-existing Lithium-ion technology energy storage systems.
The owner of an energy storage system (ESS) utilizing lithium-ion battery technology having capacities exceeding the values in Table 1207.1.3 and that are not listed to UL 9540 shall provide the *fire code official* a technical report in accordance with Section 104.2.2 for review and approval.

Exception: Detached one- and two-family *dwellings* and *townhouse units* ~~other than~~ and R-4 Condition 1 Occupancies

Committee Reason: The committee agreed with the changes addressed in comment 1 and the floor modification, and further modified by the committee to strike out "other than" and replace with "and" so that the exception for detached one- and two-family dwellings and townhouse units is restored. This was also identified in the reason statement by the proponent.

(Vote: 14-0)

F162-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F168-24 Part I

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F168-24 Part II

Committee Action: **None-CA (Consent Agenda)**

Committee Modification: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

F175-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:

1208.1 General.

The use, operation and maintenance of *electric vehicle power export equipment* shall comply with this section and NFPA 855.

Committee Reason: The committee agreed with the changes addressed in comment 1 and the floor modification, which aligns the language with NFPA 855, and as identified in the reason statement by the proponent.

(Vote: 13-0)

F176-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed with the changes addressed in comment 1 that the upper limit of 20 kWh on the size of portable power packs correlates with the trigger set for regulation for an ESS in accordance with Section 1207. (Vote: 12-1)

F180-24

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

F181-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F181-24

F184-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2, Comment 3, Comment 4, Comment 5, Comment 6, Comment 7, Comment 8, Comment 9, Comment 11, Comment 12

Committee Reason: The reason for the approval of the comments was that the proponent appropriately broke the proposal down into smaller pieces that were able to be more clearly understood by the committee. (Vote: 11-2)

F184-24

F190-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed with the comment to retain Table 2705.2.2 and appropriately correlates with NFPA 318. (Vote: 13-1)

F190-24

F193-24

Committee Action: **As Submitted**

Approved Comments: Comment 1

Committee Reason: The committee agreed with the proponent's reason statement in reference to the study provided. This will now correlate with NFPA 318.

(Vote: 13-0)

F193-24

F194-24

Committee Action: **As Submitted**

Approved Comments: Comment 1

Committee Reason: The committee agreed with the proponent's reason statement to retain the table. This revision appropriately correlates with NFPA 318.

(Vote: 13-0)

F194-24

F197-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F197-24

F198-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concern to use the defined term, "air-supported structure" instead of "air-supported membrane structure." The proposal removes the conflict between Sections 105 and 3101, and further supported by the reason statement.

(Vote: 13-0)

F198-24

F199-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed based on the reason statement that this comment addressed concerns related to coordination with the building code. (Vote: 12-0)

F199-24

F201-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F201-24

F203-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F203-24

F205-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed with the changes addressed in the comment and as supported in the reason statement related to the revised language for high-hazard Group A plastic. (Vote: 14-0)

F205-24

F210-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed with the changes addressed in the comment and as supported by the reason statement based upon the revised language for new construction.

(Vote: 13-1)

F210-24

F213-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed with the use of the terminology for combustible waste material as addressed in comment 1 and the reason statement.

(Vote: 14-10)

F213-24

F217-24 Part II

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The revised text addresses the committees original concerns by removing the term 'approved'. This will allow flexibility for stairways provided for use during construction. (Vote: 14-0)

F217-24 Part II

F218-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 2

Committee Reason: The committee agreed with the changes addressed in comment 2 and as supported in the reason statement to clarify the location of the site address on the emergency information sign.

(Vote: 14-0)

F218-24

F225-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F225-24

F230-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2

Committee Modification:
Modify Comment as follows:

4201.1 Scope.
The provisions of this chapter shall apply to the following:

1. **Applications involving ~~The storage of~~ lithium-ion and lithium metal batteries at research, testing, manufacturing, recycling, and other facilities.**
2. **The charging, use, maintenance, and repair of battery operated equipment and devices.**
3. **The use, operation and maintenance of portable power packs with an energy capacity of 1 kWh or greater.**

Exception: Energy storage systems regulated by Section 1207.

Committee Reason: The committee agreed with the changes addressed in the comments 1 and 2, in that the proposal corrects a correlation issue with section 1207 of the IFC and NFPA 855 as it applies to stationary, mobile and portable ESS. The comment supported by the reason statement revises the scope in Section 4201 to more closely reflect the content of this chapter. To further align with this chapter a modification to Section 4201.1, item 1 was added to change the wording to "Application involving."

(Vote: 11-0)

F231-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2

Committee Modification:
Modify Comment as follows:
4201.1.1 Pet breeding and pet boarding.
Pet breeding and *pet boarding* on property associated with a one- or two-family dwelling or agricultural use shall not be required to comply with this chapter.

Committee Reason: The committee agreed with the changes addressed in the comments 1 and 2 and as supported in the reason statement by the proponent. The committee added a modification to section 4201.1.1 to revise the title to read, ‘‘Pet breeding and pet boarding’’ and insert "and pet boarding" after Pet breeding in the first sentence. This modification was seen as necessary as smaller at home pet boarding should not be regulated by these provisions.

(Vote: 14-0)

F245-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concern and as supported in the reason statement by the proponent. (Vote: 12-0)

F247-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that based on the reason statement by the proponent that proposal addressed their previous concern by clarifying the requirements for gas detection system. The language was modified to apply to both in storage and in use.

(Vote: 12-0)

F248-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this comment addresses concerns with liquid nitrogen in that upon activation of the gas detection system it will stop the flow of liquid nitrogen to the piping system, activating the mechanical exhaust ventilation system, and activating an audible and visible evacuation alarm both inside and outside of the oxygen deficient area. This action also correlates with the previous action taken with proposal F247-24.

(Vote: 9-3)

F249-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concern to address the sale of retail fireworks in temporary and permanent buildings. (Vote: 13-0)

F249-24

F251-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2

Committee Reason: The committee agreed that this proposal provides clarity for the Fire Code Official. This comment addresses previous committee concerns that this requirement is better located in Chapter 50, qualifications for individuals performing these analyses, and provides correlation with NFPA 30, to conduct a hazard analysis in accordance Section 6.4 of that standard. The committee also suggested that process hazard analysis and hazard analysis be clarified in Public Comment.

(Vote: 11-2)

F251-24

F253-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concern as outlined in their reason statement and will bring this section closer to environmental regulations and language found in the federal, state, and local regulations.

(Vote: 12-0)

F253-24

F260-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concern and editorially clarifies the storage quantity limits and requirements for alcohol-based hand-sanitizer. (Vote: 12-0)

F260-24

F264-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

F264-24

F270-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee agreed that this proposal addressed their previous concerns. The language added by the comment provides the necessary coordination with the previous actions taken regarding organic peroxides in proposal F26-24.

(Vote: 13-1)

F270-24

F276-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:

TABLE E104.2 IFC AND GHS HAZARD DEFINITIONS COMPARISON[a]

Portions of table not shown remain unchanged.

IFC MATERIAL	IFC CLASS	IFC DEFINITION	
Aerosol	Level 1	Those with a total chemical heat of combustion that is less than or equal to 8,600 Btu/lb (20kJ/g). ~~And, where the heat of combustion is unknown, those classified as Aerosols (Category 3) under the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).~~	
Aerosol	Level 2	Those with a total chemical heat of combustion that is greater than 8,600 Btu/lb (20kJ/g), but less than or equal to 13,000 Btu/lb (30kJ/g). ~~And, where the heat of combustion is unknown, those classified as Aerosols (Category 2) under the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).~~	
Aerosol	Level 3	Those with a total chemical heat of combustion that is greater than 13,000 Btu/lb (30 kJ/g). ~~And, where the heat of combustion is unknown, those classified as Aerosols (Category 1) under the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).~~	

Committee Reason: The comment better aligns the code with how the GHS Hazard classifications are presented and with the Safety Data Sheets.

(Vote: 13-0)

F280-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
~~**P104.4 Escape ladders.**~~
~~**Where a *sleeping space* in a *dwelling unit* or *sleeping unit* used as a *short-term rental property* is located more than one *story* above *grade plane*, an emergency escape ladder shall be provided at not less than one *emergency escape and rescue opening* on each such story.**~~
~~**Exception: An emergency escape ladder is not required for stories that have two or more means of egress.**~~

Committee Reason: Comment 1 was approved as it made necessary revisions to provide clarification and improvement to the original proposal detailed in the reason statement. The committee also agreed that the modification to delete Section P104.4 removes a potentially problematic requirement.

(Vote: 14-0)

International Fuel Gas Code

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

FG1-24

Committee Action: **As Submitted**

Approved Comments: Comment 1

Committee Reason: This comment aligns IFGC with the other I- Codes to clarify what a bedroom is. (Vote: 10-1)

FG1-24

FG4-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
315.1.2 Testing not required. The following building materials shall not be required to be tested to be acceptable as noncombustible building materials.

1. **Steel,**
2. **concrete, containing no combustible aggregates or fibers,**
3. **masonry, containing no combustible aggregates or fibers,**
4. **glass (excluding plastic glazing),**
5. **3xxx, 5xxx and 6xxx series aluminum alloys.**

Committee Reason: This addition was suggested by the committee in CAH1 for consistency in code language. The modification adds another series of aluminum alloys that should not require testing for non-combustibility. (Vote: 7-3)

FG4-24

FG11-24 Part I

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:

301.3.1 Appliances and equipment listed and labeled for use with hydrogen admixture. Appliances and equipment operating on hydrogen admixtures <u>of natural gas</u> shall be listed and labeled for operation within the hydrogen admixture limits defined under Section 101.2.2.1.

Committee Reason: The vote to accept this modification was to align with ADM1-24, which was also approved, The word natural was added to clarify that hydrogen can only be mixed with natural gas. (Vote: 10-0)

FG11-24 Part I

International Mechanical Code

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

M2-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

M2-24

M3-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:

408.1 General. Where the ventilation system(s) in facilities are designed to ~~operate in~~ operationalize ~~various~~ alternate modes in response to natural or man-made emergencies anticipated to be over 96 hours ~~that are a threat to or exposure of the building~~, the registered design professional ~~following~~ shall document the alternate modes in the ~~be documented through an approved~~ Building Readiness Plan (BRP).The BRP shall include the emergency and related risk assessment, operations, and maintenance (O&M) procedures involved in the alternative ~~this~~ operating mode, the mechanical equipment affected, final design drawings, critical asset inventory management plan, maintenance schedules, the maintenance requirements, frequencies, and establish a return to normal mode review period.

Committee Reason: This modification editorially cleans up unclean language that was mentioned by the committee in CAH1. The original proposal was not editorial in nature as suggested by the proponent. The original proposal had unclear expectations and the cost impact impact statement was not presented correctly. (Vote: 11-2)

M3-24

M5-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: This revision of the original proposal removes the language regarding multi-purpose boilers and water heaters, based on feedback from CAH1. (Vote: 13-0)

M5-24

M7-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: Deletion of this definition in IMC/IFGC brings alignment to other I-Codes where reference is given to section 703 in the IBC. (Vote: 13-0)

M7-24

M8-24

Committee Action: **None-PC (Public Comment)**

Committee Modification: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

M8-24

M9-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee found this comment to be good clarification. This proposal harmonizes with Addendum q to ASHRAE 15-2019. The revisions clarify which requirements apply in cases where a machinery room contains refrigerants from multiple safety groups. (Vote: 13-0)

M9-24

M11-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: Addendum T has now been published since the last CAH1 hearings, and the proponent has developed a more efficient cost impact statement. (Vote: 13-0)

M11-24

M18-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

M18-24

M21-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:

313.2 Testing not required.

The following building materials shall not be required to be tested to be acceptable as noncombustible building materials.

1. **Steel,**
2. **Concrete, containing no combustible aggregates or fibers,**
3. **Masonry, containing no combustible aggregates or fibers,**
4. **Glass (excluding plastic glazing),**
5. **<u>3xxx,</u> 5xxx and 6xxx series aluminum alloys.**

Committee Reason: This comment addresses concerns mentioned by the committee at CAH1. See reason statement from CAH1. (Vote: 7-6)

M21-24

M22-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: This comment provides clarification to current ventilation requirements in section 403.1. (Vote: 12-1)

M22-24

M28-24

Committee Action: **None-CA (Consent Agenda)**

Committee Modification: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

M37-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

M39-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: This comment provides an option to the original proposal and adds a standard. (Vote: 7-5)

M40-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

M44-24 Part II

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:

M1905.1 General. ~~Energy~~ Where installed, energy recovery ventilators (ERVs) and heat recovery ventilators (HRVs) shall ~~be installed in accordance~~ comply with this section.

M1905.2 Installation. ERVs and HRVs shall be installed in accordance with the manufacturer's installation instructions. ~~Where required for purposes of energy conservation, ERVs and HRVs shall also comply with Chapter 11.~~

Committee Reason: The two modifications together resolve issues to the proposal at CAH1. The committee originally argued that the 1st

sentence of the proposal failed to meet the code requirement and did not list the specific area of the section for the proposed code language. The new code language provides clarity. (Vote: 7-1)

M47-24 Part II

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification: Modify Comment as follows:
603.9.1 Collars and sleeves. Nonmetallic collars and sleeves used to join or attach flexible air ducts and air connectors shall be *listed* and *labeled* in accordance with UL 181C.
Exception: Collars that are a component of a listed *appliance*.

Committee Reason: This comment was approved based on the rationale that collars that are a component of a listed appliance are already addressed by the fire testing required in accordance with the appliance's safety listing. It also adds the same exception that was applied to proposal M47-24, Part I. (Vote: 8-0)

M50-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:
608.1 Balancing. Air distribution, ventilation and exhaust systems shall be provided with means to adjust the system to achieve the design airflow rates and shall be balanced by an *approved* method in accordance with the SMACNA HVAC Systems Testing, Adjusting, and Balancing Manual, ANSI/RESNET/ICC 380 or ~~equivalent~~ another approved standard. Balancing shall verify that the air distribution system is capable of supplying and exhausting the airflow rates required by Chapter 4.

Committee Reason: The committee agreed that all approved standards that are relevant to this code section can be applied. The committee also noted that all SMACNA standards are consensus based. (Vote: 8-4)

M51-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: This comment clarifies that venting products are manufactured by pipe and fitting manufacturers in reference to the

original proposal. (Vote: 10-3)

M51-24

M63-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

M63-24

M64-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: This comment addresses concerns raised by the committee in CAH1. It adds the additional 11 refrigerants approved by ASHRAE Standard 34 published via addenda and also clarifies the footnote for acronyms WCF AND WCFF. (Vote: 13-0)

M64-24

M65-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:
1103.1 Refrigerant classification. Refrigerants shall be classified in accordance with ASHRAE 34 as listed in Table 1103.1. Refrigerants without a *refrigerant designation* or without a refrigerant safety group classification in the referenced edition of ASHRAE Standard 34 shall be classified in accordance with the criteria in ASHRAE Standard 34 as a single-compound refrigerant or a refrigerant blend of two or more compounds.
Documentation supporting the proposed classification shall be submitted to the *code official.*

Committee Reason: This comment aligns Section 1103 with ASHRAE Standard 15-2022. The code language provides AHJ with instruction on alternative means to approve refrigerants not listed in Table 1103.1 or the reference edition of ASHRAE Standard 34. (Vote: 13-0)

M65-24

M69-24

Committee Action: **None-PC (Public Comment)**

Committee Modification:

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

M69-24

M85-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

M85-24

M87-24

Committee Action: **As Submitted**

Approved Comments: Comment 1

Committee Reason: UL 180 has been clarified as the correct standard referenced for Table 1302.3. (Vote: 10-3)

M87-24

M89-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action. (Vote: 6-7)

M89-24

International Plumbing Code

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

P1-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P1-24

P4-24 Part I

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P4-24 Part I

P4-24 Part II

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

P4-24 Part II

P7-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee's action aligns the IPC with the requirements for tracer wire found in other codes. (Vote: 14-0)

P7-24

P10-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Proposal as follows:
JOINT RESTRAINT. An ~~restraint~~ assembly mechanically attached or integral to a joint designed to resist axial movement in a piping system.

Committee Reason: The code language will now be clear that for pipe sizes over 4 inch, joints will need joint restraints. (Vote: 10-4)

P10-24

P19-24 Part I

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The Committee agreed that Comment 1 addresses the concerns about the number of showers required. (Vote: 14-0)

P19-24 Part I

P19-24 Part III

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2

Committee Reason: The addition of Comment 1 brings the ISPSC language closer to what is in the Florida building code. The addition of Comment 2 ensures that the scald prevention measures are required for showers having warm water. (Vote: 11-0)

P19-24 Part III

P26-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P26-24

P30-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 2

Committee Modification:

Modify Comment as follows:

405.3.5 Water closet privacy.

Each water closet utilized by the public or employees shall occupy a separate compartment with walls or partitions and a door enclosing the fixtures to ensure privacy. Premanufactured partitions for water closets located in separate gender toilet or bathing rooms shall comply with the Type B privacy requirements of IAPMO Z124.10. Water closets located in all gender toilet rooms shall be enclosed by premanufactured partitions complying with the Type A privacy requirements of IAPMO Z124.10, field-fabricated partitions, or the water closet shall be located in separate room with a lockable door.

Exceptions:

1. **Water closet compartments shall not be required in a single-occupant toilet room with a lockable door.**
2. **Toilet facilities located in child day care facilities and containing two or more water closets shall be permitted to have one water closet without an enclosing compartment.**
3. **This provision is not applicable to toilet areas located within Group I-3 housing areas.**

405.3.6 Urinal privacy.

Each urinal utilized by the public or employees shall occupy a separate area with walls or partitions to provide privacy. Premanufactured partitions for urinals located in separate gender toilet or bathing rooms shall comply with the Type C privacy requirements of IAPMO Z124.10. The horizontal dimension between walls at each urinal shall be not less than 30 inches (762 mm). The walls shall extend not less than 60 inches (1524 mm) above the finished floor surface. The walls shall extend from the wall surface at each side of the urinal not less than 18 inches (457 mm) or to a point not less than 6 inches (152 mm) beyond the outermost front lip of the urinal measured from the finished backwall surface, whichever is greater. Urinals located in all gender toilet rooms shall be enclosed by premanufactured partitions complying with the Type A privacy requirements of IAPMO Z124.10, field-fabricated partitions, or the urinals shall be located in a separate room.

Exceptions:

1. **Urinal partitions shall not be required in a single occupant or family/assisted-use toilet room with a lockable door.**
2. **Toilet facilities located in child day care facilities and containing two or more urinals shall be permitted to have one urinal without partitions.**

Committee Reason: The committee liked that the modification provided for field fabricated partitions as an option to premanufactured partitions. (Vote: 14-0)

P31-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:

405.4.3 Securing wall-hung water closet bowls and urinals.

Wall-hung water closet bowls shall be supported by a concealed metal carrier that is attached to the building structural members so that strain is not transmitted to the fixture connector or any other part of the plumbing system. The carrier shall conform to ASME A112.6.1M or ASME A112.6.2.

Urinals shall be supported in accordance with manufacturer's installation instructions, and where a fixture carrier is used the carrier shall comply with ASME A112.19.2/CSA B45.1.

Committee Reason: The Committee agreed that other methods could be used for urinal support other than a carrier. (Vote: 13-1)

P31-24

P33-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The Committee believed that the comment appropriately addresses the issue of bottle filling stations and ADA requirements. (Vote: 14-0)

P33-24

P42-24 Part II

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P42-24 Part II

P44-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P44-24

P52-24 Part I

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P52-24 Part I

P52-24 Part II

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P52-24 Part II

P53-24 Part I

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

P53-24 Part I

P53-24 Part II

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

P53-24 Part II

P54-24 Part I

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P54-24 Part I

P54-24 Part II

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P54-24 Part II

P55-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P59-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P60-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P62-24 Part II

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P67-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: The committee agreed that the language in the comment eliminates confusion and aligns the code with DOE limitations. (Vote: 12-2)

P73-24 Part I

Committee Action: As Submitted

Committee Reason: The committee changed their action from CAH #1. The reason statement describes the reason for the change in Committee Action. The Committee found that the proposed standard is now completed. This is a good standard for larger valve

applications. (Vote: 14-0)

P73-24 Part I

P73-24 Part II

Committee Action: As Submitted

Committee Reason: The committee changed their action from CAH #1. The reason statement describes the reason for the change in Committee Action. The standard was reviewed and was found to be good for the intended purpose (Vote: 9-0)

P73-24 Part II

P83-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: The Committee agreed that the standard is a good option for non carbonated applications. (Vote: 14-0)

P83-24

P93-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P93-24

P95-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: The Committee found that the comment made the necessary corrections to the proposal and adds another option for water purification. (Vote: 14-0)

P95-24

P97-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P97-24

P99-24 Part I

Committee Action: **Disapproved**

Approved Comments: Comment 2

Committee Reason: The committee changed their action from CAH #1. The reason statement describes the reason for the change in Committee Action. The Committee believed that the language of the standard is unenforceable and that there are conflicts between the code and the standard. (Vote: 10-2)

P99-24 Part I

P99-24 Part II

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

P99-24 Part II

P104-24 Part I

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P104-24 Part I

P104-24 Part II

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

P104-24 Part II

P105-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The Committee agreed that the Comment resolves the issues that were the reason for disapproval at CAH1. (Vote: 14-0)

P106-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P107-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The Committee agreed that the comment provided the needed clarity for the product. (Vote: 14-0)

P108-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P110-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P111-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P113-24

Committee Action: None-CA (Consent Agenda)

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

P115-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: The Committee agreed with the published reason statement on the comment. (Vote: 12-2)

P116-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P117-24 Part I

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P117-24 Part II

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: Comment 1 addressed the concern of the committee at CAH1 that there was not a major code section for the new section to be placed under. (Vote: 9-0)

P120-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
DUMP SINK. A sink provided ~~in food service operations~~ for the sole purpose of dumping leftover liquids. These sinks can be stand-alone fixtures or in combination with a 3-compartment sink.
802.1.8 Dump sinks.
Where provided, dump sinks ~~are required, they~~ shall discharge directly or indirectly through an air gap or air break to the drainage system. Dump sinks shall comply with Section 422.

Committee Reason: The Committee removed "in food service operations" from the definition because these sinks could be used in other applications. The Committee agreed that dump sinks should not be mandatory but where they are provided, guidance needs to be provided on the drainage connection.

(Vote: 13-0)

P121-24

Committee Action: **As Submitted**

Committee Reason: The committee changed their action from CAH #1. The reason statement describes the reason for the change in Committee Action. The Committee agreed that they originally misunderstood the intent of the proposal which is to place the exception for ready access to ACW standpipes in the proper location. (Vote: 12-1)

P125-24 Part I

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P125-24 Part I

P125-24 Part II

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P125-24 Part II

P127-24

Committee Action: **As Submitted**

Approved Comments: Comment 2

Committee Reason: The committee changed their action from CAH #1. The reason statement describes the reason for the change in Committee Action. The committee agreed that the proposal offers options for design. (Vote: 8-5)

P127-24

P128-24

Committee Action: **As Submitted**

Committee Reason: The committee changed their action from CAH #1. The reason statement describes the reason for the change in Committee Action. The Committee realized that the exception would not be better placed in Section 917. The proposal did have the location correct. (Vote: 9-4)

P128-24

P129-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P129-24

P130-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The Committee agreed that the comment addressed the Committee's concern at CAH1 that the language didn't require compliance with the standard. (Vote: 7-6)

P150-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P152-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:

Modify Comment as follows:
1106.2 Size of storm drain piping.

Vertical and horizontal storm drain piping shall be sized in accordance with Sections 1106.2.1 through 1106.2.4,~~. and shall be checked against the~~ The roof drain manufacturer's published flow rate for the specific roof drain model and size shall be used to verify that the ~~selected~~ specified roof drain will handle the ~~anticipated~~ maximum flow, assuming all roof drains are at full capacity simultaneously.. ~~The horizontal sloped drains and vertical storm drain piping shall be sized to accommodate the volumetric flow rate of storm drainage, assuming all roof drains are at full capacity simultaneously.~~

1106.2.3.1 Horizontal sizing tables.

Tables 1106.2.3(1), 1106.2.3(2) and 1106.2.3(3) shall be used to size horizontal drainage piping for the ~~appropriate~~ applicable ~~drainage~~ pipe material.

1106.2.3.2 Horizontal sizing equations.

Horizontal drainage piping shall be sized based on Equations 11-2, 11-3, and 11-4 and the ~~drainage~~ applicable pipe material ~~used~~. The flow rates for horizontal sloped drains shall be calculated by use of the Flow Rate Equation and the Manning Equation based on full flow for pipe diameters of a given material, or coefficient of roughness..

The Flow Rate Equation,

$Q = A \times V$		(Equation 11-2)
where:	Q = Flow rate in gallons per minute (L/m)	
	A = Cross-sectional area of the full flow	
	V = Velocity of flow, feet per second (L/s)	
The Manning Equation,		
$V = (k/n) \times R^{2/3} \times S^{1/2}$		(Equation 11-3)
where:	V = Velocity of flow, feet per second (m/s)	
	k = unit conversion factor, 1.486 in English units	
	n = roughness (Manning) coefficient	
	R = hydraulic radius of pipe, ft (m); for full flow pipe, use radius of the pipe	
	S = slope of pressure gradient	
The modified Flow Rate Equation,		
$Q = A \times (k/n) \times R^{2/3} \times S^{1/2}$		(Equation 11-4)

Committee Reason: The Committee agreed that the comment with the modification improved the original proposal because friction loss in the piping is now accounted for. (Vote: 7-6)

P152-24

P157-24 Part I

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The Committee agreed that the comment was necessary to improve the water quality requirements for bidets. (Vote: 13-1)

P157-24 Part I

P157-24 Part II

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P157-24 Part II

P162-24 Part I

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The Committee agreed with adding the information to the appendix so that jurisdictions have the opportunity to use this for sizing water systems. (Vote: 11-3)

P162-24 Part I

P162-24 Part II

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

P162-24 Part II

International Private Sewage Disposal Code

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

PSD1-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

International Residential Code - Mechanical

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

RM1-24

Committee Action: **None-CA (Consent Agenda)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

RM1-24

RM2-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification: Modify Comment as follows:

M1411.1 Approved ~~refrigerants~~ refrigeration systems. Refrigerants used in direct refrigerating systems shall conform to the applicable provisions of ANSI/ASHRAE 34. Refrigeration systems used in heating and cooling equipment shall be permitted to be installed in accordance with ASHRAE 15.2 to comply with the requirements of Sections M1411.2 through M1411.7 and Section M1411.12 through M1411.15.

Committee Reason: ASHRAE 15.2 was not available at CAH1 and needed to be added to the original proposal, which was done with this modification. The consensus for approval is that this standard is already included in manufacturer's instructions for specific use of residential installations. (Vote: 8-1)

RM2-24

RM5-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

RM5-24

RM6-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments were not discussed so no action taken. Proposal placed on the consent agenda.

RM7-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

International Residential Code - Plumbing

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

RP3-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

RP3-24

RP7-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

RP7-24

RP8-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

RP8-24

International Swimming Pool and Spa Code

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

SP3-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 2

Committee Reason: The Committee agreed with the reason statement published in the Comment . (Vote: 10-1)

SP3-24

SP17-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The Committee agreed with the reason statement published in Comment 1. (Vote: 11-0)

SP17-24

SP29-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The Committee agreed with the removal of APSP11 from the proposal as it covered operations of pools which is not within the scope of the ISPSC.

(Vote: 11-0)

SP29-24

SP30-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The mechanical systems that make the waves are not within the scope of the ISPSC so it is appropriate to reference that equipment like it is done for pumps, filters, etc. (Vote: 11-0)

International Wildland-Urban Interface Code

2024 Group A - Report of the Committee Action Hearing (CAH2) Results

WUIC3-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:

403.5 Obstruction of access roads. Access roads shall not be obstructed in any manner, including by the parking of vehicles. The minimum widths and clearances established in Section 403.3 shall be maintained at all times.

Committee Reason: The reason for the approval of the modification was that it is a small editorial correction that clarifies the intent of the section. The stated reason for the approval of the comment was that it addressed the concerns and questions with the proposal at CAH#1 as noted in the committee reason statement. Additionally, the comment correlates the access provisions with those found in the IFC. (Vote: 14-0)

WUIC3-24

WUIC11-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee stated that the reason for the approval of the comment was based on the improved terminology to provide better guidance on the use of exterior sprinkler systems. (Vote: 9-5)

WUIC11-24

WUIC12-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC12-24

WUIC13-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC13-24

WUIC16-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC16-24

WUIC18-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee stated that the reasons for the approval of the comment were that it addressed the CAH#1 concerns as noted in the committee reason statement, it provides some necessary pointers and Section 503 is the correct place for these requirements. (Vote: 13-0)

WUIC18-24

WUIC20-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC20-24

WUIC22-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee stated that the reason for the approval of the comment was that it clears up whether you need the water supply for existing buildings, relocated buildings, or for newly constructed buildings. (Vote: 11-2)

WUIC22-24

WUIC23-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC23-24

WUIC26-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC26-24

WUIC27-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2

Committee Modification:
Modify Comment as follows:
Add new standard(s) as follows:

UL	UL LLC 333 Pfingsten Road Northbrook IL 60062-2096

~~10A - 2009~~	~~Tin Clad Fire Doors—with Revisions through July 20, 2018~~

10C--2016	Positive Pressure Fire Tests of Door Assemblies--with Revisions through May 2021

Committee Reason: The reason for the approval of the modification was to include the appropriate the standard. The stated reason for the approval of the comments were that the proponent addressed the concerns that the committee had with the definition. Specifically, it was clarified as to what could be considered a door by just being an operable element. Other reasons include the need for the new referenced standards, the clarification of applicable tests and general clean up of the code language. (Vote: 14-0)

WUIC27-24

WUIC28-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC36-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC37-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC39-24

Committee Action: As Modified by Committee (AMC2)

Approved Comments: Comment 1

Committee Reason: The committee stated that the reason for the approval of the comment is that it clarifies and ensures that any flashing added against the face of an exterior wall at the deck or other projection will comply with the section and properly integrate with the flashing and water resistive barrier materials provided in accordance with the IBC and the IRC for moisture protection. (Vote: 13-0)

WUIC42-24

Committee Action: None-PC (Public Comment)

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC44-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2

Committee Reason: The committee stated that the reason for the approval of the comments was based on the proponent's reason statements. (Vote: 13-0)

WUIC44-24

WUIC45-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee stated that the reason for the approval of the comment was that the proponent addressed what was asked for by the committee in the CAH#1 reason statement. (Vote: 14-0)

WUIC45-24

WUIC46-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC46-24

WUIC48-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 2, Comment 3

Committee Modification:
Modify Comment as follows:
504.10 Ventilation openings. Where provided, ventilation openings ~~intended to permit ventilation~~ of enclosed attics or enclosed rafter spaces in accordance with *International Building Code* Section 1202.2 or *International Residential Code* Section R806 or of under-floor areas in accordance with *International Building Code* Section 1202.4 or *International Residential Code* Section R408.2, ~~either in a horizontal or vertical surface,~~ shall be in accordance with Section 504.10.1 or Section 504.10.2 to resist building ignition from the intrusion of burning embers and flame through the ventilation openings.

505.10 Ventilation openings. Where provided, ventilation openings ~~intended to permit ventilation~~ of enclosed attics or enclosed rafter spaces in accordance with *International Building Code* Section 1202.2 or *International Residential Code R806* or of under-floor areas in accordance with *International Building Code* Section 1202.4 or *International Residential Code* Section R408.2, ~~either in a horizontal or vertical surface,~~ shall be in accordance with Section 505.10.1 or Section 505.10.2 to resist building ignition from the intrusion of burning embers and flame through the ventilation openings.

Committee Reason: The committee stated that the reason for the approval of the comments with the modification was that the various stakeholders have worked together and they addressed the committee comments from CAH#1. Specifically, the modification cleans up

the language and makes it clear as to where the requirements apply. Also, they added in the language references to both the IRC and the IBC with the correct terminology openings and it eliminates the confusion about what type of openings these requirements are intended to address.. (Vote: 14-0)

WUIC51-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1, Comment 2, Comment 3

Committee Modification:
Modify Comment as follows:

504.10.2 Prescriptive requirements. ~~Attic vents must be noncombustible and corrosion-resistant. Additionally, all v~~ Ventilation openings shall be fully covered with noncombustible, corrosion-resistant ~~material(s) including~~ mesh with openings not ~~to exceed~~ exceeding $^{1}/_{8}$ inch (3.2 mm), or with vents designed and approved to prevent flame and ember penetration into the structure.
Additionally, vents protecting ventilation openings into attics and enclosed rafter spaces shall be constructed entirely of noncombustible, corrosion resistant material.

505.10.2 Prescriptive requirements. ~~Attic vents must be noncombustible and corrosion-resistant. Additionally, all v~~ Ventilation openings shall be fully covered with noncombustible, corrosion-resistant ~~material(s) including~~ mesh with openings not ~~to exceed~~ exceeding $^{1}/_{8}$ inch (3.2 mm), or with vents designed and approved to prevent flame and ember penetration into the structure.

Additionally, vents protecting ventilation openings into attics and enclosed rafter spaces shall be constructed entirely of noncombustible, corrosion-resistant material.

506.5 Vents. ~~Attic vents must be noncombustible and corrosion-resistant. Additionally, all~~ Where provided, ventilation openings of enclosed attics or enclosed rafter spaces in accordance with *International Building Code* Section 1202.2 or *International Residential Code* Section R806 or of under-floor areas in accordance with *International Building Code* Section 1202.4 or *International Residential Code* Section R408.2 shall be fully covered with noncombustible, corrosion-resistant ~~material(s) including~~ mesh with openings not ~~to exceed~~ exceeding $^{1}/_{8}$ inch (3.2 mm), or with vents designed and approved to prevent flame and ember penetration into the structure.
Additionally, vents protecting ventilation openings into attics and enclosed rafter spaces shall be constructed entirely of noncombustible, corrosion resistant material.

Committee Reason: The reason for the approval of the modification to comment 3 was that it cleans up the language which clarifies the intent. The stated reason for the approval of comment 3 was that the use of noncombustible doesn't limit it to just one manufacturer with a single product. Instead the compliance of a product is based upon testing. The reason for the approval of comment 1, comment 2, and the modification to comment 2 was based on the action taken on WUIC48-24.

(Vote: 12-2)

WUIC53-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC54-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee stated that the reasons for the approval of the comment were: the desire to be proactive in response to the wildfire problem, jurisdictions can make modifications to the code where necessary and there are ways to deal with the cost of housing other than the provisions in the comment. Additionally, it was noted that based on experience in California, the requirements have been effective at reducing losses. It was also stated in opposition that the requirements are being set very high and there is a preference to making incremental changes over time. Further, the issue of adoption is more of a challenge for jurisdictions without the same history of wildfires. (Vote: 9-5)

WUIC55-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC60-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:

SECTION 603
Defensible Space

603.1 Objective.
Provisions of this section are intended to modify the fuel load in areas adjacent to structures to create a *defensible space*.

603.2 Fuel modification.
Buildings or structures, constructed in compliance with the conforming *defensible space* category of Table 503.1, shall comply with the *fuel modification* distances contained in Table 603.2. For all other purposes the *fuel modification* distance shall be not less than 30 feet (9144 mm) or to the lot line, whichever is less. Distances specified in Table 603.2 shall be measured on a horizontal plane from the perimeter or projection of the building or structure as shown in Figure 603.2. Distances specified in Table 603.2 are allowed to be

increased by the *code official* because of a site-specific analysis based on local conditions and the *fire protection plan*.

603.2.1 Responsible party.
Persons owning, leasing, controlling, operating or maintaining buildings or structures requiring *defensible spaces* are responsible for modifying or removing nonfire-resistive vegetation on the property owned, leased or controlled by said person.

603.2.2 Trees.
Trees are allowed within the *defensible space*, provided that the horizontal distance between crowns of adjacent trees and crowns of trees and structures, overhead electrical facilities or unmodified fuel is not less than 10 feet (3048 mm).

603.2.3 Ground cover.
Deadwood and litter shall be regularly removed from trees. Where ornamental vegetative fuels or cultivated ground cover, such as green grass, ivy, succulents or similar plants are used as ground cover, they are allowed to be within the designated *defensible space*, provided that they do not form a means of transmitting fire from the native growth to any structure.

FIGURE 603.2 MEASUREMENTS OF FUEL MODIFICATION DISTANCE

TABLE 603.2 REQUIRED DEFENSIBLE SPACE

WILDLAND-URBAN INTERFACE AREA	FUEL MODIFICATION DISTANCE (feet)[a]
Moderate hazard	30
High hazard	50
Extreme hazard	100

For SI: 1 foot = 304.8 mm.

a. Distances are allowed to be increased due to site-specific analysis based on local conditions and the *fire protection plan*.

Committee Reason: The committee stated that the reasons for the approval of the comment were: 1) it addressed some of the committee concerns at CAH#1, 2) the preference for the use of "professional" in place of "licensed" in the vegetation plan requirements, 3) clarity provided in the defensible space section. In opposition, it was stated that there was a preference that this might be better located in an appendix so that it can be modified locally as needed. The modification corrects the proposal to show what language from the 2024 WUIC was being added back to the proposal. (Vote: 8-6)

WUIC60-24

WUIC70-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Modification:
Modify Comment as follows:
701.1 Scope. Where a building or structure was constructed in accordance with this code or was previously *approved*, maintenance of buildings, structures, systems and premises in accordance with this code shall comply with this chapter.
~~**The construction requirements of this chapter are not intended to apply retroactively.**~~

SECTION 703 FIRE PROTECTION ~~AND LIFE SAFETY~~ SYSTEMS
703.1 General. *Fire protection* ~~and life safety~~ *system*s shall be maintained operable at all times in accordance with the *International Fire Code* ~~applicable standard~~.

Committee Reason: The committee stated that the reason for the approval of the modification was that it brings clarity to the intent of the code by removing the language suggesting that defensible spaces would need to be maintained for existing buildings. The reason for

the approval of the comment was that there was a need to add a maintenance chapter. (Vote: 14-0)

WUIC70-24

WUIC71-24

Committee Action: **None-PC (Public Comment)**

Committee Reason: Comments discussed but no new action was taken by the committee. See Reason statement from CAH #1 action.

WUIC71-24

WUIC72-24

Committee Action: **As Modified by Committee (AMC2)**

Approved Comments: Comment 1

Committee Reason: The committee stated that the reason for the approval of comment was that it adds more clarification and keeps consistency with the rest of the code by adding the appropriate terminology for roof ratings and related reference standards. (Vote: 12-2)

WUIC72-24
