

**CODES AND STANDARDS COMMITTEE
CODES AMENDMENT SUBCOMMITTEE
MEETING MINUTES**

March 13, 2024

A meeting of the Codes Amendment Subcommittee of the Codes and Standards Committee was held on-line using Microsoft Teams Meeting platform. The Chair called the meeting to order at 1:55 PM.

CAS in Attendance: Anthony Cinicola, Building Official
Paul Costello, National Building Trades Labor
Hank Cullinane, HVAC Trades
Terry Deveney, Builder - Nonresidential
Thomas DiBlasi, PE, Structural
Louis Free, AIA, Architect, CAS Chair
Donald Harwood, Public Member
David McKinley, Public Member - Accessibility
Henry Miga, Building Official
Timothy Mikloiche, Electrical Contractor
Michael Musco, PE, Electrical
Illona Prosol, PE, Fire Protection Engineer
Fred Wajcs, Jr., Public Member

DAS in Attendance: William Abbott, OSFM, State Fire Marshal
Anthony Arborio, DAS Construction Services, Building Official
Royal Brooks, DAS Construction Services, Building Official
Michael Fuschi, DAS Construction Services, Building Official Supervisor
Danielle Hart, DAS Construction Services, Administrative Staff
Kimberly Rogers, OSBI, Deputy State Building Inspector
Omarys Vasquez, AIA, NOMA, OSBI, State Building Inspector
David Woods, OSFM, Fire & Life Safety Supervisor
Peter Zvingilas, DAS, Assistant Director, Regulatory Compliance

Also Present:	Abigail Brown	Daniel Loos
	Christopher Baldwin	Thomas Manning
	Joseph Cassidy	Kelly McKelvey
	Greg Grew	Shawn Mullins
	Derrek Guertin	Don Murphy
	Peter Kelly	William Nash
	Scott Lang	Jeff Perras
	Nicole Lecrenski	Dominique Taudin

1. CAS MINUTES

- a. A motion was made by Thomas DiBlasi and seconded by Michael Musco to accept the draft meeting minutes of the February 14, 2024 CAS meeting. No discussions, all voted in favor, none opposed, motion is APPROVED.

- b. A motion was made by Thomas DiBlasi and seconded by Michael Musco to accept the draft meeting minutes of the February 28, 2024 CAS meeting. No discussions, all voted in favor, none opposed, motion is APPROVED.

2. COMMUNICATIONS

The following correspondence has been acknowledged as being received by the CAS since the last CAS meeting.

- a. Proposed Change of the Connecticut State Building Code and Fire Safety Code received from Anthony W. Fino, CFMA - Board of Directors (Chairman) dated March 6, 2024 related to CSFSC (ADD) Section 503.1.4 Existing fire department access roads. This document has been logged by DAS as Code Change Proposal Number 25-001.
- b. Proposed Change of the Connecticut State Building Code and Fire Safety Code received from Anthony W. Fino, CFMA - Board of Directors (Chairman) dated March 8, 2024 related to CSFSC (ADD) Section 315.3.5 Fuel-fired appliances. This document has been logged by DAS as Code Change Proposal Number 25-002.

The following correspondence has been acknowledged as being received by the CAS after the agenda for the March 13, 2024 CAS meeting was issued.

- c. Proposed Change of the Connecticut State Building Code and Fire Safety Code received from Earl Dean, IQ Electrical Training East, no date provided on the form. The proposed change is related to 2023 NEC Section 250.50 Grounding electrode system. This document has been logged by DAS as Code Change Proposal Number 25-003.
- d. Proposed Change of the Connecticut State Building Code and Fire Safety Code received from Stephen Waldie, City of Hartford dated 03/13/2024 related to the 2021 IECC Article C405.11 Automatic receptacle control. This document has been logged by DAS as Code Change Proposal Number 25-004.

3. OLD BUSINESS

- a. 2025 Connecticut State Building Code and Fire Safety Code Development
 - i) General Discussion.
 - (1) Proposed code changes submitted to Codes and Standards will be emailed to CAS members immediately after receipt. Receipt of the document will be acknowledged by appearing on the CAS meeting agenda under Communications at the subsequent CAS meeting. Chair Louis Free requested that the Code Change Proposal tracking number be provided in the document file name and on the document for future reference.

- (2) State Building Inspector Omarys Vasquez stated that OSBI sent an e-blast (Subject: 2025 CT CODE ADOPTION UPDATE: Code Change Proposals due by April 15th) earlier this week explaining the model code books that CAS is currently receiving code change proposals for from March 1, 2024 through April 15, 2024. The email further explained that there will be a separate 45-day window for the 2024 IECC and the 2024 IRC once the model codes are available online to the public.
 - (3) ICC 2024 Codes and ICC Premium Access Update. Chair Free reported that all CAS members should have received an email from premiumaccess@iccsafe.org on February 28, 2024 notifying them that Peter Zvingilas has shared a concurrent code for ICC Premium Access.
 - (4) Work Group Assignment List. State Building Inspector Vasquez reported that she has updated the Work Group Assignment list located on the DAS DRC - CAS SharePoint drive, adding Kimberly Rogers and deleting Johnny Carrier from the IBC Work Group, and adding constituent's names to various Work Groups. Do not assume that the members are still the same, reverify the Work Group Assignment List before scheduling a meeting.
 - (5) Proposed CAS Meeting Schedule. State Building Inspector Vasquez has also updated the proposed CAS meeting schedule based on previous CAS meetings discussions. The Mechanical Work Group does not believe they will be ready for a presentation by the next CAS meeting scheduled for March 27, 2024. Chair Free requested the Mechanical Work Group to reassess where they are the Monday before the next CAS meeting, then inform him for the meeting agenda and the Work Group can present what they have completed to date. The remainder of the Mechanical Work Group review can be scheduled and presented at a later CAS meeting.
 - (6) Chair Free requested William Nash, Senior Regional Manager, International Code Council, to provide an update on the anticipated availability of the 2024 IECC. Mr. Nash reported the ICC Board of Directors has received the recommendation from the Appeals Committee, it is scheduled to be in front of the ICC Board of Directors for a hearing on March 18, 2024, and they likely will render a decision soon thereafter. Currently everything appears to be on track as last discussed. Additionally the 2024 IRC, minus Chapter 11, is available via the digital codes that you have access to. The red-line version of the 2024 IECC is a highly sought after code at this point and could be available around June 1, 2024 or possibly sooner.
- ii) Work Group Presentation – Plumbing Code Work Group (PCWG).
Reference Documents: 2024 IPC, 2021 CSBC, Connecticut Public Swimming Pool Manual dated April 2021.
PCWG - CAS: Illona Prosol - Work Group Chair, Hank Cullinane, Michael Misco; OSBI Representative: Michael Fuschi; Constituency: Joseph Cassidy.

Illona Prosol reported for the PCWG.

(1) Review of 2024 IPC

(a) Section 202 General Definitions

- (i) Ambulatory Care Facility – New definition added to IPC, copied from 2021 IBC. It is not new occupancy type, but it impacts plumbing fixture table where significant changes were made in 2024 IPC version. It also differs from NFPA.

[BG] AMBULATORY CARE FACILITY. Buildings or portions thereof used to provide medical, surgical, psychiatric, nursing or similar care on a less than 24-hour basis to persons who are rendered incapable of self-preservation by the services provided or staff has accepted responsibility for care recipients already incapable.

↳ PCWG Comment: Flags this only as a change in 2024 IPC.

- (ii) Family or Assisted-Use Bathing Room and Family or Assisted-Use Toilet Facility – 2024 IPC adds these two definitions; however 2024 IBC does not have them included in definitions, but rather in the subsequent sections and there are some slight differences between the two codes in terms of required entrance, and type of plumbing fixtures. Also Adult Changing Stations language from IBC and presented by the Accessibility Work Group is not included anywhere in the IPC. Similar with Baby (or Diaper stations per CT Statute) Changing Stations

↳ PCWG Comment: Recommends coordinate it further with IBC and Accessibility Work Groups and incorporate into CT 2025 Amendment, in order to provide clarity.

(b) Section 305 Protection of Pipes and Plumbing System Components

- (i) 305.4 Freezing

↳ PCWG Comment: CT 2022 amendment had revised this section in the past, and the PCWG further recommends the following change separating water and soil/waste.

- (ii) CT 2022 Amendment

(Amd) **305.4 Freezing.** A water, soil or waste pipe shall not be installed outside of a building or concealed in outside walls or in any place subjected to freezing temperature, unless adequate provision is made to protect such pipe from freezing by insulation or heat or both. Water service pipe shall be installed not less than 48 inches deep.

(Del) 305.4.1 Sewer depth. Delete section.

(iii) Proposed Change:

(Amd) **305.4 Freezing.** A water pipe shall not be installed outside of a building or concealed in outside walls or in any place subjected to freezing temperature, unless adequate provision is made to protect such pipe from freezing by insulation and heat. Water service pipe shall be installed not less than 48 inches deep.

(Amd) **305.4.1 Freezing.** A soil or waste pipe shall not be installed outside of a building or concealed in outside walls or in any place subjected to freezing temperature, unless adequate provision is made to protect such pipe from freezing by insulation or heat or both. Horizontal piping shall be protected by both insulation and heat.

(c) Section 307 Structural Safety

(i) IPC 2024 started making some changes to the cutting, notching and boring of wood framing and cold formed steel framing for plumbing systems installations, but they also stated in Appendix C that Code Change proposals to these sections will be considered during the 2025 code cycle.

↳ PCWG Comment: After consulting with Tom DiBlasi the PCWG recommends including the IPC 2021 code language in the 2025 CT amendment to replace IPC 2024 Section 307.

(d) Section 312.5 Water Supply System Test

(i) CT 2023 had added an exception for PEX piping systems allowing for it to be tested with a compressed gas as an alternative to hydrostatic testing. It was included for consistency with IRC.

↳ PCWG Comment: PCWG recommends keeping this amendment in CT 2025.

(e) Section 403.1 Minimum number of fixtures

(i) CT 2022 had amended this section adding two Exceptions that included: Group R-1 Bed and Breakfast Establishments as well as Child Washing and Diaper Changing Facilities.

↳ PCWG Comment: IPC 2024 still does not include these building uses, so PCWG recommends including it again in the CT 2025 Amendment.

(f) Section 403.1 Table

(i) Several additional categories of building and space uses were added to the Minimum Number of Fixtures Table in both 2024 IPC and IBC codes. Some examples include:

1. Under Business occupancy added: Ambulatory care facilities and outpatient clinics.
2. Under Institutional occupancy added: Alcohol and drug center, Congregate care facilities, Group homes, Halfway houses, Social rehabilitation facilities, Foster care facilities, Assisted living and residential board and care facilities with care recipients who receive custodial care, among others.

↳ PCWG Comment: Except as noted below and unless there are any comments from IBC Work Group, the PCWG agrees with the proposed changes in IPC 2024.

(ii) CT 2022 amended Table 403.1 regarding the required number of fixtures for public swimming pools in Assembly occupancies. It deleted the reference to the International Swimming Pool and Spa Code for pools, but there was no reference to CT Public Health Code replacing it. Additionally there is a slight difference in the required number of fixtures for female facilities between the IPC and the CT Health Code.

↳ PCWG Comment: Additional review to reconcile this Table is recommended by PCWG.

IPC 2024 code table excerpt below.

Coliseums, arenas, skating rinks, pools and tennis courts for indoor sporting events and activities ¹	1 per 75 for the first 1,500 and 1 per 120 for the remainder exceeding 1,500	1 per 40 for the first 1,520 and 1 per 60 for the remainder exceeding 1,520	1 per 200	1 per 150	—	1 per 1,000	1 service sink
Stadiums, amusement parks, bleachers and grandstands for outdoor sporting events and activities ¹	1 per 75 for the first 1,500 and 1 per 120 for the remainder exceeding 1,500	1 per 40 for the first 1,520 and 1 per 60 for the remainder exceeding 1,520	1 per 200	1 per 150	—	1 per 1,000	1 service sink

CT pool manual requires 1 water closet per 50 females regardless of occupancy count .

(g) Section 403.1.2 Fixtures in single-user toilet facilities and bathing rooms.

(i) Defining more specifically how we are dealing with non-gender bathrooms may be required. ICC has not caught up with that yet.

↪ PCWG Comment: PCWG recommends further review with IBC Work Group.

403.1.2 Fixtures in single-user toilet facilities and bathing rooms—fixtures. The plumbing fixtures located in single-user toilet facilities and single-user bathing rooms, including family or assisted-use toilet facilities and bathing rooms that are required by Section 1110.2.1 of the *International Building Code*, shall contribute toward the total number of required plumbing fixtures for a building or tenant space. The number of fixtures in single-user toilet facilities, single-user bathing rooms and family or assisted-use toilet facilities shall be deducted proportionately from the required gender ratios of Table 403.1. Single-user toilet facilities and bathing rooms, and family or assisted-use toilet rooms, facilities and bathing rooms shall be identified as being available for use by all persons regardless of their sex.

The total number of fixtures shall be permitted to be based on the required number of separate facilities or based on the aggregate of any combination of single-user or separate multiple-user facilities.

(h) Section 403.2.1.1 Baby Changing Facilities

(i) CT 2022 amendment added Baby Changing Facilities to align with amended CT 2022 IBC. There is still no mention of it in 2024 IPC/IBC.

↪ PCWG Comment: PCWG recommends adding it back to CT 2025 and revise to align with CGS.

(ii) CT 2022 Amendment:

(Add) 403.2.1.1 Where multiple single-user toilet rooms or bathing rooms are clustered at a single location, at least one room at each cluster shall contain baby changing facilities and shall be identified as containing such facilities.

(iii) Proposed change:

(Add) **403.2.1.1 Baby Diaper Changing Tables.** Pursuant to section 29-256e of the Connecticut General Statutes, in any new or substantially renovated building open to the public, which includes at least one restroom that is open to the public, baby diaper changing tables shall be provided on each floor level that is open to the public as follows:

(1) A minimum of one baby diaper changing table that is accessible to men and one baby diaper changing table that is accessible to women, or

(2) A minimum of one baby diaper changing table that is accessible to both men and women.

➤ State Building Inspector Vasquez noted that a public act passed last year for House Bill 6573 related to diaper changing stations and the language stated that the Codes and Standards Committee shall include in the next proposed code cycle diaper changing stations for each new construction or substantial renovation of a public building. Here we are discussing single user toilets, not sure if there is any stipulation about where the diaper changing stations are required to be installed in the IPC, but the public act want to add them in public buildings, at least one that is accessible to men and one that is accessible to women.

- (iv) Room Signage. Requirements need to be established.
- (i) Section 403.3.4 Door Locking
 - (i) New exception in both 2024 IPC and IBC allowing for egress door of multiple occupant toilet room to be lockable from the inside of the room (shelter in place).

[BE] 403.3.6 Door locking. Where a toilet facility room is provided for the use of multiple occupants, the egress door for the room shall not be lockable from the inside of the room. This section does not apply to family or assisted-use toilet rooms/facilities.

Exception: The egress door of a multiple-occupant toilet room shall be permitted to be lockable from inside the room where all the following criteria are met:

 1. The egress door shall be lockable from the inside of the room only by authorized personnel by the use of a key or other *approved* means.
 2. The egress door shall be readily openable from the toilet room in accordance with *International Building Code Section 1010.2*.
 3. The egress door shall be capable of being unlocked from outside the room with a key or other *approved* means.
 - ↳ PCWG Comment: PCWG agrees with this code language and recommends leaving it as is, unless IBC Work Group has any comments.
- (j) Section 410.4 Substitution
 - (i) CT 2022 amendment increased the amount of permanently installed bottle filling stations for substituting drinking fountains from 50% to 2/3rds.

(Amd) **410.4 Substitution.** Where restaurants provide drinking water in a container free of charge, drinking fountains shall not be required in those restaurants. In other *occupancies* permanently installed bottle filling stations may be substituted for up to 2/3rds of the required drinking fountains. The bottle filling station shall be installed in accordance with ICC/ANSI A117.1

 - ↳ PCWG Comment: PCWG recommends including requirement again in the CT 2025 Amendment.
- (k) SECTION 419 LAVATORIES, Section 419.6 Soap dispenser
 - (i) 2024 IPC added a requirement for soap dispensers for lavatories. - ↳ PCWG Comment: PCWG recommends amending section with “permanently installed” wording in CT 2025.
 - (ii) (Amd) **419.6 Soap dispenser.** Permanently installed soap dispensers shall be provided for public lavatories.
- (l) CHAPTER 7 – SANITARY DRAINAGE, Section 708.1.1 Horizontal drains and building drains.- ↳ PCWG Comment: CT 2022 already amended that section, but PCWG proposes to revise it further by adding part of the cleanout definition to the section body as follows:

- (i) (Amd) **708.1.1 Horizontal drains and building drains.** Horizontal drainage pipes, including *horizontal branch drains* consisting of one or more fixtures, in *buildings* shall have *cleanouts* located at intervals of not more than 100 feet (30,480 mm). *Building drains* shall have *cleanouts* located at intervals of not more than 100 feet (30,480 mm) except where manholes are used instead of cleanouts, the manholes shall be located at intervals not more than 400 feet (122 m). The interval length shall be measured from the *cleanout* or manhole opening, along the *developed length* of the piping to the next *drainage fitting* providing access for cleaning, the end of the horizontal drain or the end of the *building drain*. Floor drains, floor sinks, mop sinks and roof drains are not acceptable cleanouts.

Exception: Horizontal *fixture drain* piping serving a non-removable trap shall not be required to have a *cleanout* for the section of piping between the *trap* and the connection to a horizontal or vertical drain if located within 4 feet (1219 mm) of *developed length* of such connection. The 4 feet (1219 mm) shall be measured from the fixture *trap* weir to the connection at the horizontal or vertical piping.

(m) CHAPTER 11 – STORM DRAINAGE, Section 1106.1 General

- (i) CT 2022 amended Section 1106.1 to include 3” and 6” rainfall rate for primary and secondary drainage systems and components.
- (ii) Thomas DiBlasi reached out regarding the design rain loads for the secondary drainage systems within the IBC are not in alignment with those within the IPC. Per the IBC the design rainfall for secondary systems will be different depending on the Risk Category of the building. This will yield three different design rainfalls for any given site (one for RV III, one for RC IV. and one for RCs I and II). These rates can be accessed through the NOAA website which is less than user friendly. They can also be accessed via the ASCE 7 Hazard Tool (<https://ascehazardtool.org/>).
- (iii) Instead of developing the municipality tabulation which has grown progressively over the years, Thomas DiBlasi is proposing that site-specific structural design parameters be determined using the ASCE 7 Hazard Tool as this is now permitted by the IBC. One of those loads is the rain loads. Mr. DiBlasi is also proposing to provide a single design rainfall rate for each risk category throughout the entire state. While there is some fluctuation from one part of the state to the other, it does not seem to be significant.

iii) Proposed Subcommittee Meeting Schedule (Two-Month Look Ahead). The following is subject to change pending the outcome of the code reviews by the Code Work Groups.

- (1) March 27, 2024 (To Be Confirmed)
Mechanical (Commercial) Work Group Presentation.
- 2024 IBC, Chapter 28; 2024 IMC.
 - CAS: Illona Prosol, Work Group Chair; Hank Cullinane, Michael Misco, Eric Shutt
 - OSBI: Michael Fuschi
 - Constituency: Joseph Cassidy (Public)
Hank Cullinane (ASHRE, CHCC)
Eric Shutt (PHCC)
- (2) April 10, 2024 (To Be Confirmed)
Electrical Work Group Presentation
- 2023 NFPA 70; 2024 IBC, Chapter 27.
 - CAS: Michael Musco, Work Group Chair; Paul Costello, Timothy Mikloiche
 - OSBI: Royal Brooks
 - Constituency: Michael Ose (IAEI)
- (3) April 24, 2024 Existing Building Code Work Group Presentation
- 2024 IEBC.
 - CAS: John Butkus, Work Group Chair; Johnny Carrier, Terry Deveney, Keith Flood, Louis Free, Michael Sinsigalli
 - OSBI: Omarys Vasquez
 - Constituency: Anthony Cinicola (CBOA), Terrance Dunn (CFMA), Henry Miga (CBOA)
- (4) May 8, 2024 Building Code (General) Work Group Presentation
- 2024 IBC, Chapters 1, 2, 12, 13, 17, 24 – 26, 30-35, Appendices.
 - CAS: John Butkus, Work Group Chair; Anthony Cinicola, Terry Deveney, Louis Free, Henry Miga
 - OSBI: Anthony Arborio, Kimberly Rogers
 - Constituency: Laurie Audette (OEC), Anthony Cinicola (CBOA), Lori Mathieu (DPH), Henry Miga (CBOA), Elizabeth Proiette (OEC), Sue Wyeth (AIA)

4. NEW BUSINESS

No new business.

5. GOOD OF THE ORDER

6. ADJOURNMENT

Thomas DiBlasi made a motion to adjourn the meeting at 2:27 PM, Anthony Cinicola second the motion. No discussion, the vote was all in favor and none opposed, the motion for adjournment is APPROVED.

The next Codes Amendment Subcommittee meeting is set for Wednesday, March 27, 2024 at 1:30 PM and will be held on-line using Microsoft Teams Meeting platform.

Louis Free, Chair
Codes Amendment Subcommittee

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