

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

**May 8, 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 1:50 PM.

**CAS in Attendance:** Johnny Carrier, Residential Contractor  
Anthony Cinicola, Building Official  
Hank Cullinane, HVAC Trades  
Terry Deveney, Builder – Nonresidential  
Kieth Flood, Fire Marshal  
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  
William Zoeller, RA, Energy Efficiency

**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  
Darren Hobbs, DAS, Deputy Commissioner, Real Estate & Construction  
Omarys Vasquez, AIA, NOMA, OSBI, State Building Inspector  
David Woods, OSFM, Fire & Life Safety Supervisor  
Peter Zvingilas, DAS, Assistant Director, Regulatory Compliance

<b>Also Present:</b>	John Baker	Don Murphy
	Meredith Barges	William Nash
	Joseph Briscar	Michael Ose
	Abigail Brown	Leo Smith
	James Cavanna	Kyle Tasse
	Thomas Deary	Patrick Walsh
	Michele Helou	Walter Woycik
	Roman Kuzmicki	

**1. CAS MINUTES**

- a. A motion was made by Fred Wajcs and seconded by Johnny Carrier to accept the draft meeting minutes of the March 27, 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 received from Meredith Barges, Lights Out Connecticut dated April 2, 2024 related to IBC (AMD) 2022 CSBC Section 2703.1 Light pollution controls, Exception 6 Low-voltage landscape lighting. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-021-BC-IBC.
- b. Proposed Change of the Connecticut State Fire Safety Code received from Peter Zvingilas, Connecticut Department of Administrative Services dated April 10, 2024 IFC (AMD) Section 1006.3.4 Single exits, add 6. to allow the use of a single exit for R-2 occupancy not more than 5 stories. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-022-FC-IFC.
- c. Proposed Change of the Connecticut State Building Code received from Thomas Bronson, Structural Engineers Association of Connecticut dated April 11, 2024 related to IBC (AMD) Section 1611.1 Design rain loads. This document has been logged by DAS on April 9, 2024 as Code Change Proposal Number CCP25-023-BC-IBC.
- d. Proposed Change of the Connecticut State Building Code received from Ravi Ramanathan, Legrand Electrical Wiring Systems dated April 11, 2024 related to NEC (AMD) Section 210.12 Arc-Fault Circuit-Interruption Protection. This document has been logged by DAS on April 9, 2024 as Code Change Proposal Number CCP25-024-BC-NEC.
- e. Proposed Change of the Connecticut State Building Code received from Dominique Taudin, Carrier Global Corporation dated April 11, 2024 related to IMC (AMD) Section 101.2.1; (AMD) Appendix D Clean Air Delivery; (AMD) Appendix E Clean Air Delivery and Monitoring. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-025-BC-IMC.
- f. Proposed Change of the Connecticut State Building Code received from Eric Kist dated April 11, 2024 related to ISPSC (AMD) Section 305 Barrier Requirements. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-026-BC-IBC.
- g. Proposed Change of the Connecticut State Building Code received from Thomas Bronson, Structural Engineers Association of Connecticut dated April 11, 2024 related to IBC (AMD) Section 1807.2.5. Guards. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-027-BC-IBC.

- h. Proposed Change of the Connecticut State Fire Safety Code received from Mark Dawson, Greenwich Fire Department dated April 12, 2024 related to IFC (AMD) Chapter 31 Tents, Temporary Special Event Structures and Other Membrane Structures. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-028-FC-IFC.
- i. Proposed Change of the Connecticut State Building Code received from Al Torromeo, BO dated April 12, 2024 related to IBC (AMD) Section 903.2.8 Group R, Exception 2 (automatic sprinkler system). This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-029-BC-IBC.
- j. Proposed Change of the Connecticut State Building Code received from Raymond Marcotte, BO dated April 12, 2024 related to IBC (AMD) Section 903.2.8 Group R, Exception 2 (automatic sprinkler system). This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-030-BC-IBC.
- k. Proposed Change of the Connecticut State Building Code received from John Brower dated April 12, 2024 related to NEC (AMD) Section 210.12 Arc-Fault Circuit-Interruption Protection. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-031-BC-NEC.
- l. Proposed Change of the Connecticut State Building Code received from Tanya Bourgoin, Sierra Club - Connecticut Chapter dated April 12, 2024 related to IBC (AMD) 2022 CSBC Section 2703.1 Light pollution controls, Exception 2. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-032-BC-IBC.
- m. Proposed Change of the Connecticut State Building Code and Connecticut State Fire Safety Code received from Joseph Versteeg dated April 14, 2024 related to IBC Section 1019.3 Occupancies other than Groups I-2 and I-3 and IFC Section 1019.3 Occupancies other than Groups I-2 and I-3. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-033-BC/FC-IBC-IFC.
- n. Proposed Change of the Connecticut State Building Code and Connecticut State Fire Safety Code received from Joseph Versteeg dated April 15, 2024 related to IBC (AMD) Section 1026.2 Separation and IFC (AMD) Section 1026.2 Separation. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-034-BC/FC-IBC-IFC.
- o. Proposed Change of the Connecticut State Fire Safety Code received from Joseph Versteeg dated April 14, 2024 related to IFC (AMD) Sections 503.1 through 503.6, Appendix D. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-035-FC-IFC.
- p. Proposed Change of the Connecticut State Fire Safety Code received from Joseph Versteeg dated April 14, 2024 related to IFC Chapter 11 Construction Requirements for Existing Buildings. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-036-FC-IFC.

- q. Proposed Change of the Connecticut State Building Code received from Ewan Sheriff, Hartford Fire Marshal's Office dated April 15, 2024 related to IBC (AMD) Section 903.2.8 Group R, Exception 2 (automatic sprinkler system). This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-037-BC-IBC.
- r. Proposed Change of the Connecticut State Building Code received from David Shulman, IPEX USA LLC dated April 15, 2024 related to IBC (AMD) NFPA 54 – 2024 Section 12.5.2 Plastic Piping. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-038-BC-IBC.
- s. Proposed Change of the Connecticut State Building Code received from Jeremy A Haugh, PE, Structural Engineers Association of Connecticut dated April 11, 2024 related to IBC Section 202.1 Definitions (ADD) RIGID INSULATION, (ADD) RIGID INSULATION LOAD TRANSFER LAYER, (ADD) RIGID INCLUSION SYSTEMS; (ADD) Subsection 1705.6.1. Rigid inclusion systems; (ADD) Section 1809.14. Rigid Inclusion Systems. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-039-BC-IBC.
- t. Proposed Change of the Connecticut State Building Code and Connecticut State Fire Safety Code received from Joseph Versteeg dated April 15, 2024 related to IBC (AMD) Section 1028.2 Exit discharge and IFC (AMD) Section 1028.2 Exit discharge. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-040-BC/FC-IBC-IFC.
- u. Proposed Change of the Connecticut State Building Code received from Douglas S. Graham, PE, Structural Engineers Association of Connecticut dated April 15, 2024 related to IEBC Section 202 Definitions (AMD) SUBSTANTIAL STRUCTURAL DAMAGE. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-041-BC-IEBC.
- v. Proposed Change of the Connecticut State Building Code received from Douglas S. Graham, PE, Structural Engineers Association of Connecticut dated April 15, 2024 related to IEBC [AMD] Section [BS]502.3 Existing structural elements carrying gravity load; [AMD] Section [BS] 503.3 Existing structural elements carrying gravity load; [AMD] Section [BS] 805.2 Existing structural elements carrying gravity loads; [AMD] Section [BS] 1103.1 Additional gravity loads. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-042-BC-IEBC.
- w. Proposed Change of the Connecticut State Building Code received from Joyce Leiz, The Connecticut Audubon Society dated April 2, 2024 related to IBC (AMD) 2022 CSBC Section 2703.1 Light pollution controls, Exception 1. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-043-BC-IBC.

- x. Proposed Change of the Connecticut State Building Code received from Albi Sako, CAHCEO, Inc. dated April 15, 2024 related to IBC (ADD) 2021 International Property Maintenance Code. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-044-BC-ICC-IPMC.
- y. Proposed Change of the Connecticut State Building Code received from Doug Colter, Southeastern Connecticut Council of Governments dated April 14, 2024 related to NEC (AMD) Article 90.2 Scope. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-045-BC-NEC.
- z. Proposed Change of the Connecticut State Building Code received from Roger Stolting, Ed Os Manufacturers' Representative dated April 14, 2024 related to IRC (AMD) P2801 Chapter 28 Water Heaters. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-046-BC-IRC.
- aa. Proposed Change of the Connecticut State Building Code and Connecticut State Fire Safety Code received from Joseph Versteeg dated April 15, 2024 related to IBC (AMD) Section 1026.2 Separation and IFC (AMD) Section 1026.2 Separation. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-047-BC/FC-IBC-IFC. *Note: Same as Item 2.n. listed above (CCP25-034-BC/FC-IBC-IFC).*
- bb. Proposed Change of the Connecticut State Building Code and Connecticut State Fire Safety Code received from Joseph Versteeg dated April 15, 2024 related to IBC (AMD) Section 1028.2 Exit discharge and IFC (AMD) Section 1028.2 Exit discharge. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-048-BC/FC-IBC-IFC. *Note: Same as Item 2.t. listed above (CCP25-040-BC/FC-IBC-IFC).*
- cc. Proposed Change of the Connecticut State Building Code received from Roger Stolting, Aquatechnik/Ed Os Manufacturers' Representative dated April 14, 2024 related to IMC (AMD) Table 305.4 Piping Support Spacing; IPC (AMD) Table 308.5 Hanger Spacing; IRC (AMD) Table M2101.9 Piping Support, Table P2605.1 Piping Support. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-049-BC-IMC-IPC-IRC.
- dd. Proposed Change of the Connecticut State Fire Safety Code received from Gary Schulte, Passionfruit Estate, LLC dated April 15, 2024 related to IFC (AMD) Chapter 40 Storage of Distilled Spirits and Wines, (AMD) Section 4001.1 General, (AMD) Section 4001.1.1 Nonapplicability, (AMD) Section 4003.2 Ventilation, (AMD) Section 4005.1 Palletized storage of distilled spirits in wooden barrels. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-050- FC-IFC.
- ee. Proposed Change of the Connecticut State Building Code received from John Murphy dated April 15, 2024 related to IBC (ADD) Section 107.2.2.1 Fire protection system shop drawings. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-051-BC-IBC.

- ff. Proposed Change of the Connecticut State Building Code and Connecticut State Fire Safety Code received from John Murphy dated April 15, 2024 related to IBC (ADD) Section 907.2.11 and IFC (ADD) Section 907.2.11. This document has been logged by DAS on April 22, 2024 as Code Change Proposal Number CCP25-052-BC/FC-IBC-IFC.

### **3. OLD BUSINESS**

- a. 2025 Connecticut State Building Code and Fire Safety Code Development
  - i) General Discussion.
    - (1) Chair Louis Free advised the CAS that all of the Code Change Proposals (CCPs) received by DAS have been uploaded into SharePoint and are now ready for review on the DAS DRC - CAS SharePoint Drive.
    - (2) The CAS discussed CCPs submitted and received by DAS after the established deadline for submitting (March 1, 2024 through April 15, 2024 for all available 2024 I-codes at that time). Chair Free stated the window and deadline for the submission of code change proposals is established to allow the code work groups to do their due diligence while reviewing the codes, and the code adoption cycle is usually on a very specific timeline to get documents ready for public hearing. This code adoption cycle there will be a second round of CCPs that will be accepted for a 45-day window sometime around June 2024 based on the full International Residential Code (IRC) and the International Energy Conservation Codes (IECC) being available online.
    - (3) State Building Inspector Omarys Vasquez stated that someone from the public was asking questions about the codes amendment process and questioned the requirement on the CCP form to check the box if the proponent would like to make an in-person presentation of their proposal. In this case they did not check the box because they would not be able to come in person and they were asking if the presentations could be virtual and if they were, they would like to present their CCP. Chair Free stated that the CCP forms should be changed to provide the option of either in-person or virtual to give the maximum flexibility for the public to participate in the code adoption process. Logistically, DAS will need to determine if public presentations at 450 Capital Avenue can accommodate both in-person and virtual presentations in the same location. State Building Inspector Vasquez will look into this and report back to the CAS. Currently there are approximately 16 individuals who have requested in-person presentation of their CCPs.

- (4) Chair Louis Free requested William Nash, Senior Regional Manager, International Code Council, to provide an update on the availability of the 2024 IECC and complete 2024 IRC. Mr. Nash reported that he has secured a copy of the 2024 IRC Red Line version of the Energy Code for CAS and forwarded it to Peter Zvingilas' inbox today. In addition, the 2024 IRC Red Line version, which is for the record, is currently available on ICC's digital codes platform. The Significant Changes books get published soon after the code is published, so the 2024 Significant Changes to the IRC is still pending.

The 2024 IECC is not available on the digital code yet, draft copies were previously sent to Peter Zvingilas and has been uploaded to the DAS DRC – CAS SharePoint Drive.

For CAS clarification, the red line versions of the codes located on the CAS SharePoint Drive show the new text as blue and the deletions with strikethroughs. The online versions of the codes only show the new text in blue, they do not show the deletions.

State Building Inspector Vasquez reminded the CAS that Peter Zvingilas emailed subcommittee members previously notifying them they have concurrent ICC Premium Access. Once you log into the ICC website and sign in, you have to create an account if you do not have one, then click on "Concurrent Access", type in the concurrent pass code previously provided by DAS, then you will have access to all the premium features.

- (5) CAS questioned the current code adoption schedule compared to the statutory requirement of eighteen months following the date of first publication of such subsequent revisions to the code. State Building Inspector Vasquez responded that DAS will be using the last code published by ICC, in this case the pending 2024 IECC, to establish the eighteen-month timeline.
- (6) State Fire Marshal Abbott reported that OSFM and the Fire Code Work Group is meeting weekly and continues making very slow progress with adopting IFC Chapter 11 - Construction Requirements for Existing Buildings and eliminating the use of NFPA 101. Donald Harwood stated that as a member of the Fire Code Work Group he had received meeting invites, OSFM will forward the invitation.
- (7) Work Group presentation material will be attached to the meeting minutes for reference. State Building Inspector Vasquez cautioned all work groups if there is code section or language that has not been vetted out and you still want to review it as part of your work group presentation, referenced that the work group will be reviewing further before a final assessment and recommendation is made so that the public is not potentially misled into thinking that this is something that has been decided.

- ii) Work Group Presentation – Building Code (General)
  - Review Document: 2024 IBC, Chapters 2, 12, 13, 17, .24 – 26, 30-35, Appendices
  - Reference Documents: 2021 IBC; 2022 CSBC CT Amendments
  - CAS: Anthony Cinicola, Work Group Chair; John Butkus, 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).
  - Presentation Material: IBC 2024 Work Group Presentation dated May 8, 2024 (11 pages, copy attached)

Anthony Cinicola reported for the Building Code Work Group (BCWG). Before starting the presentation, Mr. Cinicola noted that there will be a future part two of the BCWG presentation that will address IBC Chapters 3 through 10 and the BCWG will be coordinating those efforts with the IFC Work Group. In addition, Chapter 17 Special Inspections and Tests has been referred to the Structural Work Group.

- (1) Review of 2023 IBC Chapters 1, 2, 12, 13, 17, 24 – 26, 30-35, Appendices. Document shared titled “IBC 2024 Work Group Presentation” dated May 8, 2024 (see attached). Presentation Key: 2024 IBC = Black, Connecticut Amendment = Red, Further action required = Blue. Sections followed by a double asterisk (\*\*) identifies current Connecticut State Building Code Amendment language being reused.

(a) CHAPTER 2 - DEFINITIONS.

There are 51 new definitions in the 2024 IBC. The BCWG is recommending using the current Connecticut State Building Code Amendments language amending (Amd) fourteen definitions, adding (Add) twelve definitions and deleting (Del) one definition. One definition in the current Connecticut Building Code Amendment is being deleted, METAL BUILDING SYSTEM, it is now defined in the 2024 IBC.

(Amd) 201.3 Terms defined in other codes. \*\*

(Amd) 202.1 Definitions. \*\*

(Add) ACCESSORY STRUCTURE. \*\*

(Add) APPROVED AGENCY. \*\*

(Add) BABY CHANGING FACILITIES. \*\*

(Add) BULK MERCHANDISING RETAIL BUILDING. \*\*

(Add) COMPLEX. \*\*

(Amd) EXISTING BUILDING. \*\*

- (Del) EXISTING STRUCTURE. Delete without substitution. \*\*
- (Amd) FABRICATED ITEM. \*\*
- (Amd) FOSTER CARE FACILITIES. \*\*
- (Add) FULL CUTOFF LUMINAIRE. \*\*
- (Add) GROUP CHILD CARE HOME. Further action required, placeholder for new definition to be considered.
- (Add) GROUP R-1 BED AND BREAKFAST ESTABLISHMENT. \*\*
- (Add) HOTEL. \*\*
- (Amd) HURRICANE-PRONE REGIONS. \*\*
- (Amd) LODGING HOUSE. \*\*
- (Add) PLANS AND SPECIFICATIONS. \*\*
- (Amd) REGISTERED DESIGN PROFESSIONAL. \*\*
- (Add) SPA, EXERCISE (Also known as a swim spa). \*\*
- (Amd) SPECIAL AMUSEMENT AREA. \*\*
- (Amd) SPRAY-APPLIED FOAM PLASTIC. \*\*
- (Add) STREET FLOOR. \*\*
- (Add) TECHNICALLY INFEASIBLE. \*\*
- TOWNHOUSE UNIT. Hold on 2024 IBC definition until the release of the 2024 IRC, coordinate with Residential Code Work Group.
- (Amd) TYPE B UNIT. \*\*
- (Amd) WIND-BORNE DEBRIS REGION. \*\*
- (b) CHAPTER 26 -PLASTIC
  - (Add) 2603.1.1.1 Foamed-in-place insulating material. Add required for statutory reference.
- (c) CHAPTER 31 - SPECIAL CONSTRUCTION
  - (Amd) 3102.1 General. \*\* Amend this section to use the current Connecticut Building Code amendment language which apply to air-supported, air-inflated, membrane- covered-cable, membrane-covered-frame structures, and tensile membrane structures, collectively known as membrane structures, erected for a period of 180 days or longer.
  - (Add) 3102.3.1.2 Flame propagation performance testing and certification. \*\*
  - (Add) 3102.3.1.3 Label. \*\*

- (Add) 3102.3.1.4 Certificate. \*\*
- (Add) 3102.9 Spot lighting. \*\*
- (Add) 3102.10 Heating and cooking equipment. \*\*
- (Add) 3102.11 LP-gas. \*\*
- (Add) 3102.12 Flammable and combustible liquids. \*\*
- (Add) 3102.13 Separation of generators. \*\*
  
- (Amd) 3103.1 General. \*\*
- (Amd) 3103.1.3 Permit required. \*\*
- (Add) 3103.5 Tents and other membrane structures. \*\* Add section for all temporary tents and membrane structures.
- (Add) 3103.5.1 Permit required. \*\*
- (Add) 3103.5.2 Use period. \*\*
- (Add) 3103.5.3 Construction documents. \*\*
- (Add) 3103.5.4 Location. \*\*
- (Add) 3103.5.4.1 Location of structures in excess of 15,000 square feet in area. \*\*
- (Add) 3103.5.4.2 Membrane structures on buildings. \*\*
- (Add) 3103.5.4.3 Connecting corridors. \*\*
- (Add) 3103.5.4.4 Fire break. \*\*
- (Add) 3103.5.5 Structural stability and anchorage required. \*\*
- (Add) 3103.5.5.1 Tents and membrane structures with a Risk Category IV occupancy. \*\*
- (Add) 3103.5.5.2 Tents and membrane structures greater than one story. \*\*
- (Add) 3103.5.5.3 Tents and membrane structures greater than 7,500 square feet. \*\*
- (Add) 3103.5.5.4 Tents and membrane structures with an occupant load greater than 1,000. \*\*
- (Add) 3103.5.5.5 Other tents and membrane structures. \*\*
- (Add) 3103.5.5.5.1 Ballast anchoring systems for tents supported only by perimeter poles. \*\*
- (Add) 3103.5.6 Means of egress. \*\*
- (Add) 3103.5.6.1 Means of egress illumination. \*\*
- (Add) 3103.5.6.2 Maintenance of means of egress. \*\*

(Add) 3103.5.7 Flame propagation performance testing and certification. \*\*

(Add) 3103.5.7.1 Label. \*\*

(Add) 3103.5.7.2 Certificate. \*\*

(Add) 3103.5.8 Temporary air-supported and air-inflated membrane structures. \*\*

(Add) 3103.5.8.1 Door operation. \*\*

(Add) 3103.5.8.2 Fabric envelope design and construction. \*\*

(Add) 3103.5.8.2.1 Inflation pressure. \*\*

(Add) 3103.5.8.3 Blowers. \*\*

(Add) 3103.5.8.4 Auxiliary power. \*\*

(Add) 3103.5.9 Operational requirements. \*\*

(Add) 3103.5.9.1 Spot lighting. \*\*

(Add) 3103.5.9.2 Heating and cooking equipment. \*\*

(Add) 3103.5.9.3 LP-gas. \*\*

(Add) 3103.5.9.4 Flammable and combustible liquids. \*\*

(Add) 3103.5.9.5 Separation of generators. \*\*

(Add) 3105.2 Design and construction. \*\* Add section for the design and construction of awnings and canopies.

(Amd) 3107.1 General. \*\* Signs shall be designed, constructed and maintained in accordance with Appendix H of this code.

3109.1 General. The design and construction of swimming pools, spas and hot tubs shall comply with the International Swimming Pool and Spa Code. Hold for review.

(Add) 3109.1.1 Health Department regulations. \*\*

(Add) 3109.2 Public swimming pools. \*\*

(Add) 3109.3 Swimming pool barriers. \*\*

(d) CHAPTER 33 – SAFEGUARDS DURING CONSTRUCTION

(Add) 3303.8 Demolition of structures. \*\*

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) May 22, 2024 Existing Building Code Work Group Presentation
- 2024 IEBC.
  - CAS: Terry Deveney, Work Group Chair;  
John Butkus, Keith Flood, Louis Free,  
Michael Sinsigalli  
OSBI: Omarys Vasquez  
Constituency: Anthony Cinicola (CBOA),  
Terrance Dunn (CFMA),  
Henry Miga (CBOA)
- (2) June 12, 2024 (To Be Confirmed)  
Mechanical/Plumbing/Electrical (Residential  
Construction) Work Group Presentation
- 2024 IMC, 2024 IPC, 2023 NEC, IBC and  
ISPSC – related MPE sections.
  - CAS: CAS:Illona Prosol, Work Group Chair;  
Hank Cullinane, Michael Misco,  
Eric Shutt  
OSBI: Michael Fuschi  
Constituency: Joseph Cassidy (Public),  
Hank Culinane (ASHRE, CHCC),  
Eric Shutt (PHCC)
- (3) June 26, 2024 (To Be Confirmed)  
Residential Code Work Group Presentation
- 2024 IRC (Except Chapter 11); 2024  
International Swimming Pool and Spa Code.
  - CAS: Johnny Carrier, Work Group Chair;  
John Butkus, Anthony Cinicola,  
Donald Harwood,  
OSBI: Anthony Arborio, Peter Zvingilas  
Constituency: Johnny Carrier (HBRA)  
Anthony Cinicola (CBOA),  
Lori Mathieu (DPH)  
Kelly McKeivey (NSPA)  
Henry Miga (CBOA)  
Jim Perras (HBRA)

#### **4. NEW BUSINESS**

- a. Before formally issuing CAS meeting minutes with the Work Groups presentation documents attached for informational purposes, a disclaimer shall be incorporated into the presentation stating the fact that it is a work in progress and subject to change.

- b. State Building Inspector Vasquez is looking into clarification on the definition for baby changing station, especially in respect to House Bill No. 6573, Public Act No. 23-72 titled AN ACT CONCERNING ACCESS TO DIAPER CHANGING TABLES IN PUBLIC BUILDINGS AND PLACES OF PUBLIC ACCOMMODATION passed in 2023. The Public Act may call them baby diaper changing tables and need to check if this term comes from statutory language. State Building Inspector Vasquez will report back to the CAS once she has that clarification.
- c. State Building Inspector Vasquez noted that there needs to be a discussion about family childcare and group childcare homes and seeing how we can incorporate a new definition, and coordinate some of the challenges the agency has been having.
- d. State Building Inspector Vasquez reminded all the work groups to make sure you reach out to your constituents as you review and develop the draft amendments to address pressing issues they are having that we might be able to incorporate into the code. Include the constituents in the discussions about how to address them.

## **5. GOOD OF THE ORDER**

Henry Miga suggested developing a running checklist for tracking unresolved items from past code work group presentations, possibly there has been progress made on addressing them but individuals outside the work group may not be aware of it. An example is the final resolution with regards to all the discussions around electrical receptacles installed on cabinet sides or wall surfaces that are below countertops and work surfaces.

Leo Smith asked under 2024 IBC Chapter 27 there are four CCPs submitted related to light pollution control that were not addressed in today's 2024 IBC Work Group presentation. Chair Free explained at a later date, after CCP proponents have the opportunity to present their CPP, the CAS will schedule a meeting to review, discuss and vote on all submitted CCPs. The CCPs voted to be accepted without change or in concept will get added to the code amendments.

The next Codes Amendment Subcommittee meeting is set for Wednesday, May 22, 2024 at 1:30 PM and will be held on-line using Microsoft Teams Meeting platform.

## **6. ADJOURNMENT**

Michael Musco made a motion to adjourn the meeting at 3:05 PM, Johnny Carrier second the motion. No discussion, the vote was all in favor and none opposed, the motion for adjournment is APPROVED.



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**Louis Free, Chair**  
**Codes Amendment Subcommittee**

Attachment: IBC 2024 Work Group Presentation dated May 8, 2024

2024-0508-CAS\_Minutes-Approved

# IBC 2024 Work Group Presentation

May 8, 2024

*The content of this document is a summary of the work in progress on this date and is furnished for informational use only. The content is subject to change without notice and should not be construed as a final version of the code changes being proposed.*

**CAS/Work Group Members:** Louis Free, John Butkus, Henry Miga, Terry Deveny, Anthony Cinicola

**OSBI Staff:** Kimberly Rogers, Anthony Arborio

**Reference Documents** – 2024 IBC, 2021 IBC, 2022 CSBC CT Amendments

Review of 2024 IBC, Chapters 2,12,13,24-26, 30-35.

**Key:** 2024 IBC = (Black) Connecticut Amendment = (Red) Further action required = (Blue)

## Chapter 2- Definitions

**(Amd) 201.3 Terms defined in other codes.** Where terms are not defined in this code and are defined in other codes adopted as portions of the 2025 Connecticut State Building Code, such terms shall have the meanings ascribed to them as in those adopted codes.

Commented [AC1]: Updated year

**(Amd) 202.1 Definitions.** Add or amend the following definitions:

**(Add) ACCESSORY STRUCTURE.** A structure that is accessory to and incidental to that of a Group R-3 dwelling and that is located on the same lot.

**(Add) APPROVED AGENCY.** An established and recognized agency that is regularly engaged in conducting tests, furnishing inspection services or furnishing product certification, where such agency has been approved by the building official. Officials certified in accordance with the provisions of section 29-298 of the Connecticut General Statutes, and employed by the jurisdiction in which the building or structure is being constructed, shall be considered an approved agency for the portions of this code also regulated by the Connecticut State Fire Safety Code. Pursuant to subsection (e)(1) of section 29-276b of the Connecticut General Statutes, an approved agency conducting tests or furnishing inspection services of soils or concrete2022 Connecticut State Building Code (w/ Errata #1) ED: 10/01/2022 must be certified under the National Voluntary Laboratory Accreditation Program of the National Institute of Standards and Technology.

**(Add) BABY CHANGING FACILITIES.** A table or other device suitable for changing the diaper of a child aged 3 or under.

**(Add) BULK MERCHANDISING RETAIL BUILDING.** A building exceeding 12,000 square feet (1115 m<sup>2</sup>) in area in which the sales area includes the storage of combustible materials on pallets, in solid piles or in racks in excess of 12 feet (3658 mm) in storage height.

**(Add) COMPLEX.** For application of accessibility requirements, this term means any group of buildings located on a single parcel of land or on contiguous parcels of land or any building or group of buildings that are subdivided into separate occupancies and planned, financed, constructed or promoted by common management for the purpose of sale or lease of the entire complex or any subdivision thereof, except any single-family detached dwelling.

**(Amd) EXISTING BUILDING.** A building or structure, or portion thereof, erected in whole or in part, for which a legal building permit and a certificate of occupancy has been issued. Buildings or structures or portions thereof erected prior to October 1, 1970 shall be deemed existing buildings regardless of the existence of a legal permit or a certificate of occupancy.

**(Amd) EXISTING STRUCTURE.** Delete without substitution.

**(Amd) FABRICATED ITEM.** Structural, load-bearing or lateral load-resisting members or assemblies consisting of materials assembled prior to installation in a building or structure, or subjected to operations such as heat treatment, thermal cutting, cold working or reforming after manufacture and prior to installation in a building or structure. Materials produced in accordance with standards referenced by this code, such as rolled structural steel shapes, steel reinforcing bars, masonry units, wood structural panels and structural composite lumber, or in accordance with a referenced standard that provides requirements for quality control done under the supervision of a third-party quality control agency, shall not be considered “fabricated items.”

**(Amd) FOSTER CARE FACILITIES.** Facilities that provide care to more than three children, 3 years of age or younger.

**(Add) FULL CUTOFF LUMINAIRE.** A luminaire that allows no direct light emissions above a horizontal plane through the luminaire’s lowest light-emitting part.

**(Add) Group Child Care Home. -Placeholder for new definition to be considered.**

**(Add) GROUP R-1 BED AND BREAKFAST ESTABLISHMENT.** A building that does not qualify as a one- or two-family dwelling unit in accordance with Section 101.2 and:

1. That provides sleeping accommodations to the public for a fee for no more than 16 persons with guestrooms limited to the first or second floor of the structure,
2. Where the owner occupies the facility or an adjacent property as his or her primary place of residence,
3. Where cooking or food warming of any type is not allowed in guestrooms, and
4. That has a maximum of three stories in height and does not contain a mixed occupancy.

**(Add) HOTEL.** Any building containing six or more guestrooms, intended or designed to be used, or which are used, rented or hired out to be occupied or which are occupied for sleeping purposes by guests.

**(Amd) HURRICANE-PRONE REGIONS.** Areas within municipalities as tabulated in [Appendix P 2025](#) Connecticut State Building Code

Commented [AC2]: Updated year

**(Amd) LODGING HOUSE.** A building that does not qualify as a one- or two-family dwelling unit in accordance with Section 101.2 or an R-1 Bed and Breakfast Establishment, and that contains only the owner’s dwelling unit and guestrooms without permanent provisions for cooking, with a total building occupant load of not more than 16 persons.

**2024 IBC:**

**METAL BUILDING SYSTEM** An integrated set of fabricated components and assemblies that form a complete or partial building shell that is designed by the manufacturer. This system typically includes but is not limited to primary framing composed of built-up structural steel members, secondary members that are cold-formed steel or open-web steel joists, a metal panel roof system and exterior wall cladding. The system is manufactured in a manner that permits plant or field inspection prior to assembly or erection.

**(Del. CT Amd.) METAL BUILDING SYSTEM.** An integrated set of components and assemblies, including, but not limited to, frames that are built-up structural steel members, secondary members that are cold-formed steel or steel joists, and cladding components, specifically designed to support and transfer loads and provide a complete or partial building shell.

Commented [AC3]: Def. now in 2024 IBC

Commented [AC4R3]: Delete CT Amendment

**(Add) PLANS AND SPECIFICATIONS.** See construction documents.

**(Amd) REGISTERED DESIGN PROFESSIONAL.** An individual who is registered or licensed by the Department of Consumer Protection pursuant to chapter 390, 391, 396 or 396a of the Connecticut General Statutes to practice the individual's respective design profession and acting within the scope of his or her license and practice discipline.

**(Add) SPA, EXERCISE** (Also known as a swim spa). Variants of a spa in which the design and construction includes specific features and equipment to produce a water flow intended to allow recreational physical activity including, but not limited to, swimming in place. Exercise spas can include peripheral jetted seats intended for water therapy, heater, circulation and filtration system, or can be a separate distinct portion of a combination spa/exercise spa and can have separate controls. These spas are of a design and size such that they have an unobstructed volume of water large enough to allow the 99<sup>th</sup> Percentile Man as specified in APSP 16 to swim or exercise in place.

Commented [AC5]: Coordination needed OSBI/DPH

**(Amd) SPECIAL AMUSEMENT AREA.** A special amusement area is any temporary or permanent building or portion thereof that is occupied for amusement, entertainment or educational purposes and is arranged in a manner that:

1. Makes the means of egress path not readily apparent due to visual or audio distractions.
2. Intentionally confounds identification of the means of egress path.
3. Otherwise makes the means of egress path not readily available because of the nature of the attraction or mode of conveyance through the building or structure.

**Exception:** Children's play structures that do not exceed 10 feet in height and do not have an aggregate horizontal projection in excess of 300 square feet.

**(Amd) SPRAY-APPLIED FOAM PLASTIC.** Single- and multiple-component, spray-applied foam plastic insulation used in nonstructural applications that are installed at locations wherein the material is applied in a liquid or frothed state, permitted to free rise and cure in situ and certified **pursuant to section 29-277** of the Connecticut General Statutes.

**(Add) STREET FLOOR.** For application of accessibility requirements, this term means the floor nearest the level of exit discharge.

**(Add) TECHNICALLY INFEASIBLE.** An alteration of a building or a facility that has little likelihood of being accomplished because the existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame, or because other physical or site constraints prohibit modification or addition of elements, spaces or features that are in full and strict compliance with the minimum requirements for new construction and that are necessary to provide accessibility. Pursuant to subsection (b) of section 29-269 of the Connecticut General Statutes, the determination of technical infeasibility shall be made by the State Building Inspector

**(Amd) TYPE B UNIT.** A dwelling unit or sleeping unit designed and constructed for accessibility in accordance with this code and the provisions for Type B units in ICC/ANSI A117.1, as amended.

**(Amd) WIND-BORNE DEBRIS REGION.** Areas within municipalities or portions thereof as tabulated in Appendix P, that are:

1. Within 1 mile (1.61 km) of the mean high-water line where an Exposure D condition exists upwind at the waterline and the basic design wind speed, V, is 130 mph (58 m/s) or greater; or
2. In areas where the basic design wind speed is 140 mph (63 m/s) or greater.

**TOWNHOUSE UNIT.** A single-family dwelling unit in a townhouse that extends from the foundation to the roof and has a yard or public way on not fewer than two sides.

Commented [AC6]: Coordination w/ IRC, HOLD for release of IRC

## **Chapter 26 Plastic:**

**(Add) 2603.1.1.1 Foamed-in-place insulating material.** Pursuant to section 29-277 of the Connecticut General Statutes, foamed-in-place insulating material, except urethane foam insulation or styrene foam insulation, shall not be sold or installed in this state on or after May 28, 2013, unless the manufacturer or supplier has certified to the State Building Inspector that the material complies with the provisions of said section.

## **Chapter 31 Special Construction:**

**(Amd) 3102.1 General.** The provisions of this section shall apply to air-supported, air-inflated, membrane-covered-cable, membrane-covered-frame structures, and tensile membrane structures, collectively known as membrane structures, erected for a period of 180 days or longer. Those erected for a shorter time shall comply with Section 3103.5. Membrane structures covering water storage facilities, water clarifiers, water treatment plants, sewage treatment plants, greenhouses and similar facilities not used for human occupancy are required to meet only the requirements of Sections 3102.3.1 and 3102.7. Membrane structures erected on a building, balcony, deck or other structure shall comply with this section.

**(Add) 3102.3.1.2 Flame propagation performance testing and certification.** Before a permit is granted, the owner or the owner's agent shall file with the fire code official a certificate provided by the product manufacturer to verify that the materials have been tested and certified by an approved testing laboratory. The certificate shall indicate that the floor coverings, tents, membrane structures and their appurtenances, which include sidewalls, drops and tarpaulins, are composed of materials meeting the flame propagation performance of Test Method 2 of NFPA 701. Additionally, it shall indicate that the bunting and combustible decorative materials and effects are composed of material meeting the flame propagation performance criteria of Test Method 1 or Test Method 2 of NFPA 701, as applicable. Alternatively, the materials shall be treated with a flame retardant in an approved manner and meet the flame propagation performance criteria of the applicable test method of NFPA 701. The certificate shall indicate compliance with the testing requirements of NFPA 701, Chapter 16. The flame propagation performance criteria shall be effective for the period specified by the permit.

**(Add) 3102.3.1.3 Label.** Membrane structures or tents shall have a permanently affixed label bearing the following information:

1. The identification of size and fabric or material.
2. The names and addresses of the manufacturers of the tent or air-supported structure.
3. A statement that the fabric or material meets the requirements of Section 3102.3.1.2
4. If treated, the date the fabric or material was last treated with flame-retardant solution, the trade name or kind of chemical used in treatment, name of person or firm treating the fabric or material, and name of testing agency and test standard by which the fabric or material was tested.
5. If untreated, a statement that no treatment was applied when the fabric or material met the requirements of Section 3102.3.1.2.

**(Add) 3102.3.1.4 Certificate.** The certificate required by Section 3102.3.1.2 shall contain all of the information specified in Section 3102.3.1.3.

**(Add) 3102.9 Spot lighting.** Spot or effect lighting shall only be by electricity, and all combustible construction located within 6 feet (1829 mm) of such equipment shall be protected with approved noncombustible insulation not less than 9/4 inches (235 mm) thick.

**(Add) 3102.10 Heating and cooking equipment.** Heating and cooking equipment shall be in accordance with Section 3104.15 of the Connecticut State Fire Safety Code.

**(Add) 3102.11 LP-gas.** The storage, handling and use of LP-gas and LP-gas equipment shall be in accordance with Section 3104.16 of the Connecticut State Fire Safety Code.

**(Add) 3102.12 Flammable and combustible liquids.** The use of flammable-fuel-fired equipment shall be in accordance with Section 3104.17 of the Connecticut State Fire Safety Code.

**(Add) 3102.13 Separation of generators.** Generators and other internal combustion power sources shall be separated from tents or membrane structures by a minimum of 20 feet (6096 mm) and shall be isolated from contact with the public by fencing, enclosure or other approved means.

Commented [AC7]: Ref. Mike Sinsigalli

Commented [AC8R7]: 3104.15 replace w/ 3108.12

Commented [AC9]: Ref. Mike Sinsigalli

Commented [AC10R9]: 3104.16 replace w/ 3108.12.1

Commented [AC11]: Ref. Mike Sinsigalli

Commented [AC12R11]: 3104.17 replace w/ 3108.13

**(Amd) 3103.1 General.** The provisions of Sections 3103.1 through 3103.4 shall apply to structures erected for a period of less than 180 days. Special event structures, tents, umbrella structures and other membrane structures erected for a period of less than 180 days shall comply with Section 3103.5. Those erected for a longer period of time shall comply with the applicable sections of this code.

**(Amd) 3103.1.3 Permit required.** Temporary structures that cover an area greater than 400 square feet (37 m<sup>2</sup>), including connecting areas or spaces with a common means of egress or entrance that are used or intended to be used for the gathering together of 25 or more persons, shall not be erected, operated or maintained for any purpose without obtaining a permit from the building official.

**(Add) 3103.5 Tents and other membrane structures.** All temporary tents and membrane structures shall comply with this section.

Commented [AC13]: Needs Section number change

**(Add) 3103.5.1 Permit required.** Tents and membrane structures having an area in excess of 400 square feet (37 m<sup>2</sup>) shall not be erected, operated or maintained for any purpose without obtaining a permit from the building official.

**Exceptions:**

1. Tents used exclusively for recreational camping purposes.
2. Tents open on all sides which comply with all of the following:
  - 2.1. Individual tents having a maximum size of 700 square feet (65 m<sup>2</sup>).
  - 2.2. Multiple tents placed side by side without a fire break clearance of 12 feet (3658 mm), with an aggregate area not exceeding 700 square feet (65 m<sup>2</sup>) total.
  - 2.3. A minimum clearance of 12 feet (3658 mm) to all other structures and tents.
3. Tents 900 square feet and smaller in total area when occupied by fewer than 50 persons, which have no heating appliances, no installed electrical service and are erected for fewer than 72 hours.

**(Add) 3103.5.2 Use period.** Temporary tents or air-supported, air-inflated or tensioned membrane structures shall not be erected for a period of more than 180 days within a 12-month period on a single premises.

**(Add) 3103.5.3 Construction documents.** A detailed site and floor plan for tents or membrane structures with an occupant load of 50 or more shall be provided with each permit application. The tent or membrane structure floor plan shall indicate details of the means of egress facilities, seating capacity, arrangement of the seating, and location and type of heating and electrical equipment. The construction documents shall include an analysis of structural stability. Tents and membrane structures erected in accordance with Section 3103.5.5.4 shall comply with the structural stability requirements of that section.

**(Add) 3103.5.4 Location.** Tents or membrane structures shall not be located within 20 feet (6096 mm) of lot lines, buildings, other tents or membrane structures, parked vehicles, or internal combustion engines. For the purpose of determining required distances, support ropes and guy wires shall be considered as part of the temporary membrane structure or tent.

**Exceptions:**

1. Separation distance between membrane structures and tents not used for cooking is not required when the aggregate floor area does not exceed 15,000 square feet (1394 m2).

2. Membrane structures or tents need not be separated from buildings when all of the following conditions are met:

2.1. The aggregate floor area of the membrane structure or tent shall not exceed 10,000 square feet (929 m2).

2.2. The aggregate floor area of the building and membrane structure or tent shall not exceed the allowable floor area including increases as indicated in this code.

2.3. Required means of egress are provided for both the building and membrane structure or tent, including travel distances.

**(Add) 3103.5.4.1 Location of structures in excess of 15,000 square feet in area.** Membrane structures having an area of 15,000 square feet (1394 m2) or more shall be located not less than 50 feet (15 240 mm) from any other tent or structure as measured from the sidewall of the tent or membrane structure unless joined together by a corridor.

**(Add) 3103.5.4.2 Membrane structures on buildings.** Membrane structures that are erected on buildings, balconies, decks or other structures shall be regulated as permanent membrane structures in accordance with Section 3102.

**(Add) 3103.5.4.3 Connecting corridors.** Tents or membrane structures are allowed to be joined together by means of corridors. Exit doors shall be provided at each end of such corridor. On each side of such corridor and approximately opposite each other, there shall be provided openings not less than 12 feet (3658 mm) wide.

**(Add) 3103.5.4.4 Fire break.** An unobstructed fire break passageway or fire road not less than 12 feet (3658 mm) wide and free from guy ropes or other obstructions shall be maintained on all sides of all tents and membrane structures unless otherwise approved by the building official.

**(Add) 3103.5.5 Structural stability and anchorage required.** Tents or membrane structures and their appurtenances shall be designed and installed to withstand the elements of weather and prevent collapsing in accordance with the manufacturer's instructions or this code. Documentation of structural stability shall be furnished to the building official.

**(Add) 3103.5.5.1 Tents and membrane structures with a Risk Category IV occupancy:** Tents and membrane structures with a Risk Category IV occupancy shall be designed and constructed to comply with Sections 1606 through 1609.

**(Add) 3103.5.5.2 Tents and membrane structures greater than one story.** Tents and membrane structures exceeding one story shall be designed and constructed to comply with Sections 1606 through 1609.

**(Add) 3103.5.5.3 Tents and membrane structures greater than 7,500 square feet.** Tents and membrane structures greater than 7,500 square feet (697 m2) shall be designed and constructed to comply with Sections 1606 through 1609.

**(Add) 3103.5.5.4 Tents and membrane structures with an occupant load greater than 1,000.** Tents and membrane structures with an occupant capacity greater than 1,000 persons shall be designed and constructed to comply with Sections 1606 through 1609.

**(Add) 3103.5.5.5 Other tents and membrane structures.** Other tents and membrane structures that are erected for a period not exceeding 60 consecutive days shall be designed to resist an allowable design wind speed (Vasd) of not less than 45 mph (20.1 m/s). Tents and membrane structures that will be in service between November 15 and April 15 shall be capable of supporting snow loads complying with Section 1609 in addition to the applicable dead loads. The provisions for “unobstructed slippery roofs” in Figure 7.4-1 of ASCE 7 may be utilized when obstructions that would prevent sliding of snow from the roof are not present.

**(Add) 3103.5.5.5.1 Ballast anchoring systems for tents supported only by perimeter poles.** Ballast anchoring systems for tents complying with Section 3103.5.5.4 that are supported only by perimeter poles and do not require X-bracing within the plane of the side walls shall be deemed to comply with the applicable wind requirements, provided the following conditions are met:

1. The tent is of a hip roof configuration with an eave height of not more than 8 feet.
2. The Enclosure Classification for the tent shall be Enclosed, Partially Open or Open as defined in Section 26.2 of ASCE 7.
3. The angle between guys and the horizon shall conform to the tent manufacturer’s requirements and shall not be less than 45 degrees nor more than 68 degrees.
4. The tent shall not be used when winds are in excess of 35 mph.
5. An anemometer shall be installed on the tent and the tent shall be provided with signage stating that the tent should be evacuated if winds exceed 35 mph.
6. An evacuation plan certified by the operator of the tent shall be submitted to the building official as part the permit application.
7. A plan indicating the location of all ballast and weights shall be submitted to the building official as part of the permit application. Ballast shall be calculated by one of the following:
  - a. For ballast systems where the tent poles and ballast are connected using a common base plate or similar means, the weight of the ballast provided at each tent pole shall be not less than the following:

For each pole perpendicular to the ridge:  $P_{ball} = 5wsx$  (pounds)

For each pole on a hip end:  $P_{ball} = 2.5wsx$  (pounds)

where:

w = width of tent perpendicular to the ridge line (feet)

s = tent post spacing parallel to the ridge (feet)

x = tent exposure factor (1.00 if tent is located in wind Exposure B or Exposure C as defined in Section 1609.4.3; 1.20 if tent is located in wind Exposure D)

b. For ballast systems where the tent poles and ballast are not connected using a common base plate, the weight of the ballast provided at each tent pole shall be not less than the following:

For each pole perpendicular to the ridge:  $P_{ball} = 6.5wsx$  (pounds)

For each pole on a hip end:  $P_{ball} = 3.25wsx$  (pounds)

**(Add) 3103.5.6 Means of egress.** Means of egress for temporary tents and membrane structures shall be in accordance with Section 3103.12 of the International Fire Code.

**(Add) 3103.5.6.1 Means of egress illumination.** Means of egress shall be illuminated with light having an intensity of not less than 1 foot-candle (11 lux) at floor level while the structure is occupied. Fixtures required for means of egress illumination shall be supplied from a separate circuit or source of power.

**(Add) 3103.5.6.2 Maintenance of means of egress.** The required width of exits, aisles and passageways shall be maintained at all times to a public way. Guy wires, guy ropes and other support members shall not cross a means of egress at a height of less than 8 feet (2438 mm). The surface of means of egress shall be maintained in an approved manner.

**(Add) 3103.5.7 Flame propagation performance testing and certification.** Before a permit is granted, the owner or the owner's agent shall file with the code official a certificate provided by the product manufacturer to verify that the materials have been tested and certified by an approved testing laboratory. The certificate shall indicate that the floor coverings, tents, membrane structures and their appurtenances, which include sidewalls, drops and tarpaulins, are composed of materials meeting the flame propagation performance of Test Method 2 of NFPA 701. Additionally, it shall indicate that the bunting and combustible decorative materials and effects are composed of material meeting the flame propagation performance criteria of Test Method 1 or Test Method 2 of NFPA 701, as applicable. Alternatively, the materials shall be treated with a flame retardant in an approved manner and meet the flame propagation performance criteria of the applicable test method of NFPA 701. The certificate shall indicate compliance with the testing requirements of NFPA 701, Chapter 16. The flame propagation performance criteria shall be effective for the period specified by the permit.

**(Add) 3103.5.7.1 Label.** Membrane structures or tents shall have a permanently affixed label bearing the following information:

1. The identification of size and fabric or material.
2. The names and addresses of the manufacturers of the tent or air-supported structure.
3. A statement that the fabric or material meets the requirements of Section 3103.5.7.2.
4. If treated, the date the fabric or material was last treated with flame-retardant solution, the trade name or kind of chemical used in treatment, name of person or firm treating the fabric or material, and name of testing agency and test standard by which the fabric or material was tested.
5. If untreated, a statement that no treatment was applied when the fabric or material met the requirements of Section 3103.5.7.2.

**(Add) 3103.5.7.2 Certificate.** The certificate required by Section 3103.5.7 shall contain all of the information specified in Section 3103.5.7.1

**(Add) 3103.5.8 Temporary air-supported and air-inflated membrane structures.** In addition to other applicable requirements of Section 3103.5, temporary air-supported and air-inflated membrane structures shall be in accordance with Sections 3103.5.8.1 to 3103.5.8.4, inclusive.

**(Add) 3103.5.8.1 Door operation.** In high winds greater than 50 miles per hour (22 m/s) or in snow conditions, the use of doors in air-supported structures shall be controlled to avoid excessive air loss. Doors shall not be left open under any condition.

**(Add) 3103.5.8.2 Fabric envelope design and construction.** Air-supported and air-inflated structures shall have the design and construction of the fabric envelope and the method of anchoring in accordance with Architecture Fabric Institute ASI 77.

**(Add) 3103.5.8.2.1 Inflation pressure.** Operating pressure in air-supported and air-inflated structures shall be maintained at the design pressure specified by the manufacturer to assure stability and to avoid excessive distortion during high wind or snow loads.

**(Add) 3103.5.8.3 Blowers.** An air-supported structure used as a place of assembly shall be furnished with not less than two blowers, each of which has adequate capacity to maintain full inflation pressure with normal leakage. The design of the blower shall be so as to provide integral limiting pressure at the design pressure specified by the manufacturer.

**(Add) 3103.5.8.4 Auxiliary power.** Places of assembly for more than 200 occupants shall be furnished with either a fully automatic auxiliary engine-generator set capable of powering one blower continuously for 4 hours, or a supplementary blower powered by an internal combustion engine that shall be automatic in operation.

**(Add) 3103.5.9 Operational requirements.** Temporary and permanent tents and membrane structures shall comply with Sections 3103.5.9.1 through 3103.5.9.5.

**(Add) 3103.5.9.1 Spot lighting.** Spot or effect lighting shall only be by electricity, and all combustible construction located within 6 feet (1829 mm) of such equipment shall be protected with approved noncombustible insulation not less than 9/4 inches (235 mm) thick.

**(Add) 3103.5.9.2 Heating and cooking equipment.** Heating and cooking equipment shall be in accordance with Section 3104.15 of the Connecticut State Fire Safety Code.

**(Add) 3103.5.9.3 LP-gas.** The storage, handling and use of LP-gas and LP-gas equipment shall be in accordance with Section 3104.16 of the Connecticut State Fire Safety Code.

**(Add) 3103.5.9.4 Flammable and combustible liquids.** The use of flammable-fuel-fired equipment shall be in accordance with Section 3104.17 of the Connecticut State Fire Safety Code.

**(Add) 3103.5.9.5 Separation of generators.** Generators and other internal combustion power sources shall be separated from tents or membrane structures by a minimum of 20 feet (6096 mm) and shall be isolated from contact with the public by fencing, enclosure or other approved means.

Commented [AC14]: Ref. Mike Sinsigalli

Commented [AC15R14]: 3104.15 replace w/ 3108.12

Commented [AC16]: Ref. Mike Sinsigalli

Commented [AC17R16]: 3104.16 replace w/ 3108.12.1

Commented [AC18]: Ref. Mike Sinsigalli

Commented [AC19R18]: 3104.17 replace w/ 3108.13

**(Add) 3105.2 Design and construction.** Awnings and canopies shall be designed and constructed to withstand wind or other lateral loads and live loads as required by Chapter 16 with due allowance for shape, open construction and similar features that relieve the pressures or loads. Structural members shall be protected to prevent deterioration. Awnings shall have frames of noncombustible material, fire-retardant- treated wood, heavy timber complying with Section 2304.11, or 1-hour construction with combustible or noncombustible covers and shall be either fixed, retractable, folding or collapsible.

**Exceptions:**

1. Fixed awnings shall not be required to be designed to resist nominal (Vasd) wind loads in excess of 90 mph.
2. Retractable awnings shall not be required to be designed to resist wind or snow loads.

**3109.1 General.** The design and construction of swimming pools, spas and hot tubs shall comply with the International Swimming Pool and Spa Code.

Commented [AC20]: HOLD for possible Amd. To ISPSC

Commented [AC21R20]: Hold for outcome of HB-5169

**(Amd) 3107.1 General.** Signs shall be designed, constructed and maintained in accordance with Appendix H of this code.

**(Add) 3109.1.1 Health Department regulations.** No person shall construct, substantially alter or reconstruct a swimming pool until the construction documents and water discharge provisions have been approved by the Department of Public Health, in accordance with the regulations adopted pursuant to section 19a-36 of the Connecticut General Statutes.

**Exception:** Swimming pools accessory to owner-occupied, detached one-, two- or three-family residences and swimming pools accessory to a single one-family townhouse where the pool is intended to be used exclusively by the owner and invited guests.

**(Add) 3109.1.1 Health Department regulations.** No person shall construct, substantially alter or reconstruct a swimming pool until the construction documents and water discharge provisions have been approved by the Department of Public Health, in accordance with the regulations adopted pursuant to section 19a-36 of the Connecticut General Statutes.

**Exception:** Swimming pools accessory to owner-occupied, detached one-, two- or three-family residences and swimming pools accessory to a single one-family townhouse where the pool is intended to be used exclusively by the owner and invited guests

**(Add) 3109.2 Public swimming pools.** Public swimming pools shall be completely enclosed by a barrier meeting the requirements of 2024 International Swimming Pool and Spa Code portion of the 2025 Connecticut State Building Code.

Commented [AC22]: Hold for outcome of HB-5169

Commented [AC23R22]: Code year updated

**(Add) 3109.3 Swimming pool barriers.** Residential and public swimming pool barriers shall comply with the requirements of 2024 International Swimming Pool and Spa Code portion of the 2025 Connecticut State Building Code.

Commented [AC24]: HOLD Proposed HB -5169

Commented [AC25R24]: Code year updated

**(Add) 3303.8 Demolition of structures.** The demolition of structures shall be conducted in accordance with the State Demolition Code as found in part IV of chapter 541 of the Connecticut General Statutes and with this chapter.