



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

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STATE BUILDING CODE COUNCIL SUMMARY MEETING MINUTES

LOCATION: DES Building – First Floor Presentation Room
1500 Jefferson St. SE
Olympia, Washington

DRAFT

MEETING DATE: Friday, July 26, 2019

Members in Attendance: Chair; Doug Orth, Vice-Chair; Diane Glenn; Traci Harvey; Kjell Anderson; Andrew Klein; Phil Lemley; Steve Simpson; Eric Vander Mey; Kevin Shutty & Micah Chappell

Members Absent: Leanne Guier

Staff In Attendance: Richard Brown, Managing Director; Krista Braaksma; Ray Shipman & Carrie Toebe

Visitors in Attendance: Brian Thompson, Gary Heikkinen, Ken Brouillette, Lee Kranz, Mike Kennedy, Sue Coffman, Greg Beals, Joe Mayo, Louis Starr, Joseph Okpaku, Chuck Murray, Duane Jonlin, Lee Kranz, Dermott Murphy

Agenda Items	Council Actions/Discussion
1. Welcome and Introductions	Meeting called to order at 10:00 a.m. by Chair, Doug Orth. Everyone was welcomed and introductions were made.
2. Review & Approve Agenda	#6, mass timber was moved above #5. Agenda was approved as modified.
3. Public Comment on Items not on the Agenda	Joseph Okpaku, representing Booster, requested that IFC Section 5707 be adopted with subsection 5707.3.3 omitted. Also most 2018 modifications to Section 105.6.17(11) listing when flammable and combustible liquid operational permits are required. The Council stated that the requested proposal changes could not be reviewed because it was too late in the adoption process.
4. Opinion (Interpretation) Regarding Mass-Timber Reviews	Richard Brown led the Council through three separate code opinion requests. Joe Mayo, AIA WA Council, explained that the language referenced within the opinion is from the ICC and is what will be seen when the IBC Group B 2021 language is officially approved. Council stated that the action to be taken today was for the opinion request not a code amendment change.

First Question: What special inspections are required for adhesive anchors in mass timber that do not resist sustained tension loads?

Opinion:

Periodic special inspections should be required where both of the following conditions are met:

- a. Special inspections are required by the Washington State Amendment to Section 1705.5.3, and
- b. Adhesive anchors do not resist sustained tension loads, as described in the Washington State Amendment to Table 1705.5.3, Item 3b.

No further comments were given by the Council or Council staff. Richard Brown requested that a motion be made on the first and second opinion at the same time.

Second Question: What special inspections are required for non-proprietary concealed connections in mass timber?

The following answer was provided by Council staff:

Periodic special inspections should be required for all concealed connections in mass timber, whether proprietary or not, where special inspections are required by the Washington State Amendment to Section 1705.5.3.

It was explained that this meant during the course of construction when items are going to be concealed in the future.

A motion to approve both opinions as written Carried.

Second Opinion Question: How are fire resistance ratings for connections in mass timber Types IV-A, IV-B, and IV-C determined?

Opinion:

Fire resistance ratings for connections in Type IV-A, IV-B, or IV-C construction should be determined by one of the following:

- a. Testing in accordance with the Washington State Amendment to Section 703.2 where the connection is part of the fire resistance test.
- b. Engineering analysis that demonstrates that the temperature rise at any portion of the connection is limited to an average temperature rise of 250°F (139°C), and a maximum temperature rise of 325°F (181°C), for a time corresponding to the required fire resistance rating of the structural element being connected. For the purposes of this analysis, the connection includes connectors, fasteners, and portions of wood members included in the structural design of the connection.

- a. The Council amended b. to read: Engineering analysis as approved by the code official. Code officials may reference ICC code proposal BSxxx-19 for guidance. For the purposes of this analysis, the connection includes connectors, fasteners, and portions of wood members included in the structural design of the connection.

A motion to approve the opinion language as amended Carried.

5. Review & Approve Minutes

The summary minutes of the July 12, 2019 meeting were approved.

6. Review and Approve Modifications to the Group 1 2018 Codes

Richard Brown noted three items staff was unsure of the Councils will from the last meeting. The first addressed type A units. 16 comments were received not to strike 1107.6 Group R Accessible Units type A from the existing amendment. Council Chair noted the update.

No action was taken by the Council

Second item was that staff was unsure how the Council wanted to proceed regarding proposed changes to the IFC and UBC in regards to self-storage units.

A motion was made and carried for the following change:

5. A Group S-1 occupancy fire area that is used for the storage of upholstered furniture or mattresses exceeds 2,500 square feet. Exemption: Self-storage facilities.

Third was in regards 909.6.3 Pressurized stairways and elevator hoistways.

Eric Vander Mey described the changes in detail including proposed clarification to the public testimony.

A motion was made and carried to approve the changes to the received testimony as written with a request that staff work with the Council’s attorney to ensure the review and adoption process used here was acceptable. Note: The Council’s attorney recommended the Council take these changes through a separate rulemaking process.

IBC/IEBC

A motion was made and carried to approve the CR102 and the revised CR-102 ERRATA for the IBC and IEBC including the pressurization and self-storage amendments. Note: The Council’s attorney recommended the Council take the pressurization changes through a separate rulemaking process.

IFC

A motion was made and denied to adopt 57.07 and eliminate subsection 57.07.3.3 and 105.6.17.

A motion was made and carried to approve the CR102 and the revised CR-102 ERRATA for the IFC including the pressurization and self-storage amendments. Note: The Council’s attorney recommended the Council take the pressurization changes through a separate rulemaking process.

	<p><i>TRACI said YEAH!</i></p> <p><u>WSEC-C</u></p> <p>Doug Orth and Eric Vander Mey thanked staff, the public, the TAG and MVE Committee and also Council members for the countless hours they spent on these proposals. It has been a big commitment.</p> <p><i>Audio 01:29:38</i></p> <p><i>A motion was made and carried that within Section C403.7.6 Exception 9.1 should be renumbered as Exception 10 and Group R should be changed to R-1, R-3 and R-3 for correlation with C403.3.6 which requires energy recovery for R-2 occupancies.</i></p> <p><i>A motion was made and carried to approve the recommendations of the MVE Committee with the modifications made at this council meeting.</i></p> <p><i>A motion was made and carried to move the Committee modified lighting power allowance tables forward with a friendly amendment that the Council may consult the AAG in regards to the process used. Steve Simpson abstained.</i></p> <p><i>A motion was made and carried, 8 to 2, to move forward with the carbon emissions table using a 0.7 metric for electricity.</i></p> <p><i>See the attached documents for a summary of what the Council approved.</i></p>
7. Staff Report	<p>Richard gave a budget report. His intent is to wait until after the website rebuild to hire a third code specialist. This should be the beginning of 2020.</p> <p>Doug asked if the actual revenue was in line with projected levels. Richard answered in the affirmative. Richard also noted that, as previously requested by the Council, he would be looking into jurisdiction fee compliance in the future.</p>
11. Other Business	None offered.
12. Adjourn	The meeting was adjourned at 1:17 p.m.

- IFC
 - * [MVE Report](#)
 - * [CR-102](#)
 - * [Revised Errata](#)
 - * [Storage Unit Proposal](#)
- IBC
 - * [CR-102](#)
 - * [Revised Errata](#)
 - * [Storage Unit Proposal](#)