



Oregon

Kate Brown, Governor

Department of Consumer and Business Services

Building Codes Division

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Building Codes Structures Board

Meeting agenda

Late submission for I.D. and V.

Wednesday, Feb. 2, 2022, at 9:30 a.m.

Virtual Zoom meeting

Meeting connection for video: <https://www.zoomgov.com/j/1612038737>
Meeting connection for phone: 551-285-1373
Meeting ID: 161 203 8737
Online streaming for nonparticipants: Oregon.gov/bcd/Pages/bcd-video.aspx

I. Board business

- A. Call to order
- B. Roll call
- C. Approval of agenda and order of business
- D. Approval of the [draft board meeting](#) minutes of Jan. 26, 2022 (added document)
- E. Date of the next scheduled meeting: May 4, 2022

II. Public comment

The board will hear public testimony, including testimony from individuals who have signed up in advance.

III. Reports and updates

IV. Communications

The division will present advisory information to the board. The board will also review any letters or emails submitted by stakeholders.

V. Unfinished business

The OSSC Review Committee requests the board review and approve the provisions of the [2022 Oregon Structural Specialty Code](#) (OSSC) and recommend the administrator proceed with rulemaking. (added document)

VI. New business

- A. Board review and approval of a [workgroup](#) to discuss and make recommendations regarding the Broan Nutone proposal OSSC 22-04 for the 2022 OSSC
- B. Board review, discuss and make [recommendations](#) regarding the 2022 Oregon Structural Specialty Code (OSSC) Review Committee-recommended changes to

repair and reconstruction standards under the 2022 OSSC, and approval of a workgroup as necessary.

VII. Announcements

The board chair or board members can make announcements during this time.

VIII. Adjournment

State of Oregon

Building Codes Structures Board

Virtual Meeting Minutes

Jan. 26, 2022

Members Present: Eric Schmidt, chair, building official
Andy Dykeman, three-plus stories general contractor vice-chair,
Eric, Sandoval, architect
Steve Forster, fire protection agency representative
Brenda Hartzog, energy supplier
Gary Heikkinen, owner or manager of commercial office building
Randy Samuelson, Oregon Disabilities Commission representative
Marshall McGrady, building trade representative

Members Absent: Vacancy, heavy industry construction contractor

Staff Present: Alana Cox, administrator, Building Codes Division
Richard Rogers, chief building official
Tony Rocco, structural program chief
Julia Hier, senior policy advisor
Mark Heizer, mechanical and energy code engineer
Tyler Glaze, policy analyst
Eric McMullen, senior building code specialist
Jeremy Williams, structural program engineer
Laura Burns, policy and technical services coordinator
Melissa Stiles, policy development coordinator
Teri Watson, senior policy advisor
Andy Boulton, policy advisor
Kelly Thomas, energy policy analyst

Guests Present: David Mills, State Fire Marshal's Office
Kail Zuschlag, past BCSB board member
Rose Herrera, DHS, Home and Community-Based Services
Terry Whitehill, City of Portland
Adam Carlson - IEI
Adam Hutchinson
Jody Orrison, City of Portland
Mike Shaw, Oregon Department of Forestry
Chad Hawkins- OSFM
Adele Schaffeld, building official, Malheur County
Kevin Rose, Northwest Energy Efficiency Alliance
Liz Trujillo, Causa
Aaron Yuma, building official, Douglas County
Janice Sanada, LRS Architects

I. Board business

- A. **Call to order:** Chair Eric Schmidt called the Building Codes Structures Board virtual meeting to order at 9:31 am.
- B. **Roll call:** All eight members were present.
- C. **Approval of agenda and order of business:** The chair ruled the agenda and order of business approved.
- D. **Approval of the draft board meeting minutes:** The chair ruled final the Nov. 3, 2021 minutes.
- E. **Date of the next scheduled meeting:** Feb. 2, 2022. The chair polled board members and all are available to attend the Feb. 2 meeting and the Feb. 9 tentative meeting in case more time is needed for code discussion.
- F. **Welcome new member, Marshall McGrady, and farewell to Kail Zuschlag:** The chair said farewell and thank you to Kail and read a brief biography about member Marshall, newly-appointed by the governor.
- G. **Election of BCSB representative to the Construction Industry Energy Board:** The chair asked Tyler Glaze, policy analyst, to guide the board through the election process for a BCSB representative to the Construction Industry Energy Board. Tyler Glaze asked for nominations. Member Eric Sandoval said he is interested in the position because of his work on energy code issues. Vice Chair Andy Dykeman nominated Eric Sandoval, Gary Heikkinen provided a second, and Chair Eric Schmidt voiced his support. Tyler Glaze called for the vote

MOTION by Andy Dykeman to nominate Eric Sandoval for BCSB representative on the Construction Industry Energy Board (CIEB).

Roll call vote:

Yea: Chair Eric Schmidt, Vice Chair Andy Dykeman, Stephen Forster, Brenda Hartzog, Gary Heikkinen, Marshall McGrady, Randy Samuelson.

Abstain: Eric Sandoval

Nay: none

Motion carried.

II. Public comment

Terry Whitehill, City of Portland and member of the 2022 OSSC code committee, requested to speak during Agenda Items VI.A. and VI.B.

III. Reports and updates

Structural Program Update: Tony Rocco, structural program chief, said the division's primary focus has been the 2022 Oregon Structural Specialty Code (OSSC) process. The code committee has completed its work and the board will review it today. Tony thanked the committee members for their participation. Chair Schmidt asked for any questions from board members. Member Eric

Sandoval asked if the division has everything they need to move forward on the 2022 OSSC code and Tony said yes.

IV. Communications - none

V. Unfinished business - none

VI. New business

A. Board review of proposed code solutions to adopt interim amendments to the 2019 Oregon Structural Specialty Code (OSSC) and new language for the upcoming 2022 OSSC needed to address and clarify construction standards required for child care facilities located within dwellings.

Tyler Glaze, policy analyst, asked for public comment regarding this agenda item and there was none. He provided background from the memo posted on Page 7 of the online agenda packet: <https://www.oregon.gov/bcd/boards/Documents/bcsb-20220126-agenda.pdf> Alana Cox, administrator of Building Codes Division, said she appreciates the code committee work, a huge undertaking and a great service to Oregonians. She has been engaging with the state Early Learning Division, which licenses these facilities, as well as other stakeholders, on specific issues related to sprinkler requirements for child care facilities. The division issued two technical bulletins over the summer trying to clarify provision and emphasize flexibility available to building officials, especially for existing buildings, which most of these are. The code committee recommended this prescriptive compliance option, slightly adjusted by the division. It provides a prescriptive exception to sprinklers for these facilities. The hope is that providing that prescriptive compliance option for customers and building officials will avoid the need to work through the alternative method process and lead to more consistent outcomes. It should also enhance coordination between building departments and the licensing agencies to ensure these facilities meet building code requirements and licensing requirements in providing quality care for kids. She appreciates all the work the board is about to do on the code committee recommendations. Tony Rocco shared on the screen and explained the code language from Page 10 of the online agenda packet: <https://www.oregon.gov/bcd/boards/Documents/bcsb-20220126-agenda.pdf>

Chair Schmidt asked for any public comment. Terry Whitehill asked if the code change applies to facilities with five or fewer children. Tony Rocco said yes and the reference is to ORS 329A for registered family care homes allowing up to 10, and certified care homes, allowing up to 16. Terry Whitehill said a lot of people may miss this but hopefully BCD can put out a clarifying bulletin. Chair Schmidt read a question from Rose Herrera: “Public comment question: Is there any consideration to expand the exception being considered for child care facilities to also allow exception for residential care homes such as foster care or group homes with 5 or less capacity?” Tony said this is specific to day care or child care facilities with less than 24-hour care. Administrator Cox agreed this code is about child care. The changes in April included adult foster care and the division has

been working through that with folks, she said. Group homes have long required sprinklers, she said. But today's conversation is specific to child care.

Chair Schmidt asked for board questions. Member Eric Sandoval said he is supportive and appreciates the structure of this code because it accentuates health and safety. The chair is supportive too. Member Steve Forster asked if accessibility requirements must be provided throughout the entire structure or only in areas of child care. He also asked about the sprinkler requirement throughout the fire area and wonders if the term "fire area" will cause confusion. The chair said he had a similar question if people would interpret "fire area" to mean the entire dwelling. Tony said, first, only the child care area is required to be accessible, pointing to Chapter 11, which states only the business portion of the live-work unit must be accessible. Tony said, second, the term "fire area" is language from the OSSC. The division is pointing these facilities to the ORSC for construction standards, not for everything else. If a person wants to have a fire separated area of care and provide sprinklers in that specific area of care, this code provides a path for them, he said. It's unlikely to occur but the division wanted that to be an option. Member Forster said there is a lot of variety in homes used for child care. He has seen people build a section just for child care. He thinks it would be helpful if BCD produced a white paper with this information. The chair agreed that if the code language is approved, would the average provider running a business know how to navigate the code. The technical bulletin could state, "It means your entire dwelling will have a sprinkler system unless you do this and this," he said. Administrator Cox said she was thinking similarly about the need to communicate effectively about this. If the board approves it, the division will send a brief communication and then the division will send a longer, more detailed follow up. Member Forster suggested also clarifying garage area separation because the average user may not be familiar with jumping back and forth between the residential and commercial codes. Mr. Chair called for the motion.

MOTION by Eric Sandoval to approve the code language recommendation and forward to the administrator for rulemaking and subsequent adoption, with the finding that the added cost, if any, is necessary to the health and safety of the occupants or the public or necessary to conserve scarce resources.

Roll call vote:

Yea: Steve Forster, Brenda Hartzog, Gary Heikkinen, Marshall McGrady, Randy Samuelson, Eric Sandoval, Vice-Chair Andy Dykeman, Chair Eric Schmidt.

Nay: none

Motion carried.

B. Board review and discuss Chapters 3-30 of the 2022 Oregon Structural Specialty Code (OSSC).

Chair Schmidt discussed the best way to tackle the code review work. He said the code committee did the heavy lifting. The board nominated the code committee and has faith in their work. He said there were no public comment requests for

today's meeting other than Mr. Whitehill, a committee member who wants to serve as a resource for the board during the code discussion. The chair favors the board taking an overview approach, rather than diving deeply into each code component. Member Sandoval said he suggests the board look at the code recommendations in three parts – existing Oregon amendments, proposals, and items marked in red on the matrix that were discussed in depth by the committee. Member Heikkinen agreed and suggested hearing highlights in red or with financial impacts from each chapter, without discussing each matrix item. The chair agreed about moving through chapters, only spending time on the items with questions or comments. Member Forster asked if the board has to approve all of the existing amendments to carry them forward. Tony Rocco said the matrix captures all the existing Oregon amendments recommended to move forward and rescind. The chair recommended saving staff time of reading every line and asked the board if it is acceptable to go chapter by chapter, taking out any items for in depth review, and getting a consensus on the rest. Board members agreed.

Tyler Glaze introduced Agenda Item VI.B, referring to Page 13 in the online agenda packet:<https://www.oregon.gov/bcd/boards/Documents/bcsb-20220126-agenda.pdf> Tony Rocco discussed **Chapter 3** highlights, including a way for care facilities with five or fewer to refer back to the residential code. Member Steve Forster asked about five or fewer and Tony said the model code allows for any type of care for five or fewer. The amendments covered in agenda item IV A were for child care facilities with 10 or fewer or 16 or fewer. The chair asked about a consensus of Chapter 3 items and the board gave thumbs up. Tony discussed **Chapter 4** and highlighted a code committee member proposal looking forward to the 2024 International Building Code. Member Forster said he would like to spend more time analyzing the proposal 415.11.10 since it deviates from model code. Member Sandoval explained his proposal provides a way for ventilation systems to continue running during an emergency. The Chair said the proposal could be tabled for further discussion on Feb. 2. He asked for consensus on the other items and the board gave thumbs up. Tony gave an overview of **Chapter 5**. The chair asked for a consensus and the board provided thumbs up. The chair thanked the board for moving quickly through the matrix based on faith in the board-appointed code committee and the work of the BCD staff. The board will continue with Chapter 6 at the Feb. 2 meeting.

VII. Announcements - none

VIII. Adjournment

Chair Schmidt adjourned the meeting at 10:54 a.m.

Respectfully submitted by Melissa Stiles, policy development coordinator.

**Agenda
Item
V.**

State of Oregon

Board memo

Building Codes Division

Feb. 2, 2022

To: Building Codes Structures Board

From: Tyler Glaze, policy advisor, Policy and Technical Services

Subject: 2022 Oregon Structural Specialty Code (OSSC) Review Committee recommendations regarding adoption of the 2021 International Building Code with Oregon amendments.

Action requested:

The OSSC Review Committee requests the board review and approve the provisions of the 2022 Oregon Structural Specialty Code (OSSC), and recommend the administrator proceed with rulemaking.

Background:

At the board's June 30, 2021, meeting, the Building Codes Structures Board established a code review committee and recommended the 2021 International Building Code (IBC) as the base model code for Oregon.

The OSSC Review Committee completed an analysis of the 2021 IBC changes, 2021 International Existing Building Code changes, 2021 International Fire Code new construction provisions, existing Oregon code amendments, new proposed amendments, public amendment proposals, and alternate method rulings. The committee met six times beginning October 14, 2021, and finalizing their recommendations to the board on January 4, 2022.

The matrix included in the board packet includes the full list of recommendations from the committee, along with cost impacts noted by the committee. The board packet includes a document with the committee's recommendations, along with supporting documentation. All committee meeting recordings are available at <https://www.oregon.gov/bcd/codes-stand/Pages/oss-c-adoption.aspx>.

Adopting the 2022 OSSC will require the Building Codes Division to engage in rulemaking. The division appoints the Building Codes Structures Board as a Rule Advisory Committee (RAC) under ORS 183.333. The division seeks the board's input on the code that the rules will adopt, and any potential fiscal impacts.

The board review of the 2022 OSSC was first noticed in the January 26th agenda, and this is agenda item is a continuation of that review.

Options:

- Approve the committee recommendations and forward to the administrator for rulemaking and subsequent adoption, with the finding that the added cost, if any, is necessary to the health and safety of the occupants or the public or necessary to conserve scarce resources.
- Amend and approve the committee recommendations and forward to the administrator for rulemaking and subsequent adoption, with the finding that the added cost, if any, is necessary to the health and safety of the occupants or the public or necessary to conserve scarce resources.
- Disapprove the proposed code provisions, which would continue use of the 2019 OSSC.

2022 Oregon Structural Specialty Code

Code review committee matrix

This matrix is a summary of the 2022 Oregon Structural Specialty Code (OSSC) review committee's recommendations on the significant changes to the 2021 International Building Code (IBC) and the 2021 International Existing Building Code (IEBC), the existing Oregon amendments from the 2019 Oregon Structural Specialty Code (OSSC) and the new proposed amendments.

Note: This summary matrix will be updated with the advisory board's final recommendation to the division and will be posted on the OSSC adoption webpage.

OR A Existing Oregon amendment

OR A New Oregon amendment

PP Proposal

***Fiscal savings or increase**

IBC International Building Code change

IFC International Fire Code change for new construction provisions

SAM Statewide Alternate Method

A fiscal impact has been assessed for the change

Section	Topic / Summary of change	Outcome
CHAPTER 2 – DEFINITIONS		
202	All defined terms. OR A Add definitions from the IEBC and the IFC. Alignment with Existing OR A accordingly.	Retain
CHAPTER 3 – BUILDING PLANNING		
304.5	Lockup facilities. OR A Adds provisions for temporary lockup facilities defined in ORS 169.005(5).	Retain
305, 308, 310	Care facilities. OR A New amendments to align with Chapter 1 and the ORSC. <i>The board will be discussing this matrix item separately.</i>	Approve *Increase
306.2	Group F-1 occupancy classification. IBC Modification: Energy storage systems in dedicated use buildings and water/sewer treatment facilities were added to the examples of Group F-1.	Approve
306.3	Low-hazard factory industrial, Group F-2. OR A Adds "Wood barrel and bottled wine aging facilities in wineries to the list of low-hazard factory industrial, Group F-2. Part of the overall <i>winery</i> amendments, based on statute.	Retain
307.1.1	Uses not classified as Group H IBC Modification: The distilling or brewing of alcohol beverages, as well as the storage of beer, distilled spirits and wine, are now considered as conditions where the quantities of the beverages are not limited in a non-Group H.	Approve
307.2.1	Storage of Class 1.4G (Class C, Common) Fireworks. OR A Adds provisions for the temporary storage of Class 1.4G (Class C Common) fireworks.	Retain
308.2.1	Group I-1, Condition 1. OR A Adds the uses from 308.2 specific to Group I-1 – Condition 1	Retain
308.2.2	Group I-1, Condition 2. OR A Adds the uses from 308.2 specific to Group I-1 – Condition 2	Retain
310.3	Residential Group R-2. OR A Adds "providing 21 or more housing units for low-income elderly" from statute to the list of Group R-2.	Retain
310.5.1	Group R-4, Condition 1. OR A Adds the uses from 310.5 specific to Group R-4 – Condition 1	Retain
310.5.2	Group R-4, Condition 2. OR A Adds the uses from 310.5 specific to Group R-4 – Condition 2	Retain
311.1.1	Accessory storage spaces. OR A Allows that a space used for storage, accessory to another occupancy, be classified as part of that occupancy.	Retain
311.2	Moderate-hazard storage, Group S-1. IBC Clarification: The proper occupancy classification for the storage of beverages, specifically alcohol beverages, has been clarified for both the Group S-1 and S-2.	Approve
311.3	Low-hazard storage, Group S-2. IBC Clarification: The proper occupancy classification for the storage of beverages, specifically alcohol beverages, has been clarified for both the Group S-1 and S-2. OR A Adds wood barrel containers for beverages up to and including 16-percent alcohol in the list of Low-hazard storage, Group S-2.	Approve Retain
311.4	Mausoleums and columbariums, Group S-3. OR A Adds Group S-3. Other sections: 302.1, T. 504.4, T.506.2, T. 508.4	Retain

Section	Topic / Summary of change	Outcome
CHAPTER 4	SPECIAL DETAILED REQUIREMENTS BASED ON OCCUPANCY AND USE	
403.3.2	Water supply to required fire pumps. IBC Modification: The mandate for the water supply to require fire pumps by two water mains has been extended to those buildings more than 120 feet in height where the building's type of construction is either IV-A or IV-B.	Approve
404	Scope of atrium provisions. IBC Clarification: Application of the atrium provisions have been clarified and several means of egress provisions have been relocated to Sections 1017.32 – 1017.3.2.3.	Approve
404.5	Smoke control in atriums. IBC Modification: In the evaluation of whether a smoke control system is required for an atrium condition, vertical opening protection consisting of a combination of both the atrium and a shaft enclosure is now recognized.	Approve *Savings
404.6	Horizontal assemblies in atriums. IBC Modification: Horizontal assembly separation of the atrium from adjacent spaces is no longer required at those openings created for complying escalators and/or exit access stairways.	Approve *Savings
406.2.4	Floor surfaces in parking garages. IBC Modification: The mandate for a sloping floor in the vehicle areas of parking garages has been reinstated in the IBC for those garages classified as Group S-2 occupancies.	Approve
407.3.1.1	Group I-2 Corridor Doors IBC Clarification: Several specific conditions have expanded the smoke-resistant criteria in order to address the various types of doors used in corridors of Group I-2 care facilities.	Approve
407.4.4.3	Group I-2 Care Suites IBC Modification: Egress travel allowances, both within an individual care suite as well as from a suite into a corridor, have been revised to allow for additional design flexibility and consistency with the CMS federal standard.	Approve
407.6.1	Automatic-closing doors in Group I-2 IBC Modification: In Group I-2, the closing of automatic-closing doors on hold-open devices must now also occur upon activation of the fire alarm system or automatic sprinkler system.	Approve
407.12	Emergency and standby power. OR A Adds provisions for emergency and standby power in healthcare facilities.	Retain
408.2	Other occupancies. OR A Adds requirement for security operations that need the locking of required means of egress.	Retain
408.3.9	Cell tier exits. OR A Adds cell tier exiting provisions	Retain
408.9	Windowless buildings. OR A Deletes windowless buildings section	Retain
408.11	Emergency ventilation. OR A Allows for Group I-3 resident housing areas to be equipped with smoke and heat venting.	Retain
411.5	Puzzle rooms. IBC Addition: Puzzle rooms are now regulated in a manner consistent with traditional special amusement areas. Means of egress requirements have been established.	Approve
412.3.6	Fire Suppression. OR A Adds exception for certain aircraft hangars	Retain
414.2.3	Fire wall use for control areas. IBC Addition: The scoping limitations of a fire wall's use to create separate buildings have been expanded through a new allowance for the number of control areas permitted.	Approve
415.11.10	Emergency control station. PP Committee member proposal – Eric Sandoval <ul style="list-style-type: none"> Adds Section 415.11.10.4 for increase travel distance provisions with a pointer back to 1017.2.3 Adds to footnote "a", reference to Section 1017.2.3 for increased distance limitation in Group H-5 to Table 1017.2. Adds Section 1017.2.3 for Group H-5 increase provisions. 	Approve
422.7	Cooking in ambulatory care facilities. IBC Modification: Where domestic cooking facilities are provided in ambulatory care facilities, conditions addressing the installation of the cooking appliances are established to address any fire concerns.	Approve
423	Storm shelters. IBC Modification: Added provisions for storm shelters. OR A New amendments: Removes the provisions because they do not apply in Oregon.	Disapprove Approve
424	Play structures. IBC Modification: The interior finish materials of play structures are now regulated for flame spread. In addition, the scoping provisions have been modified to include larger structures, and the requirements are no longer limited to play structures for children's use.	Approve

Section	Topic / Summary of change	Outcome
424.2	Materials. IBC Modification: The interior finish materials of play structures are regulated for flame spread.	Approve
424.5	Area limits. IBC Modification: Increased size limit to 600 sq. ft.	Approve
424.5.1	Design. IBC Modification: Points to Chapter 16 for structures over 600 sq. ft.	Approve
426	Combustible Dust IFC Modification: Added criteria for mitigating the accumulation of combustible dust and control of ignition sources.	Approve
430	Electrical energy storage systems (ESS). IFC Modification. The requirements for energy storage systems have been reformatted and revised to better address this growing and changing technology. PP OSSC 22-01: Clearly define area in which a residential garage Energy Storage System (ESS) installation would trigger the "Subject to Vehicle Damage" requirement found in IFC 1207.11.7. The existing language has led to widely varying interpretations and enforcement of impact protection.	Approve Approve
456	Storage of Distilled Spirits and Wines IFC Addition: Provisions have been added to the code to address storage of distilled spirits and wines in barrels and casks.	Approve
457	Piers and wharves. OR A Adds section for piers and wharves attached to a superstructure	Retain
458	Mausoleums and columbariums. OR A Adds section for mausoleums and columbariums	Retain
CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS		
502.1	Address identification. OR A Deletes part of the section, it is not within division statutory authority.	Retain
503.1.4	Occupied roof allowances. IBC Clarification: The proper approach to dealing with occupied roofs from the perspectives of building height, number of stories and installation of occupant notification features has been further clarified for a more consistent application.	Approve
T. 504.3	Allowable height in feet. IBC Addition: Height limits in feet above grade plane have now been established for the three new construction types addressing mass timber construction: IV-A, IV-B and I-VC. The provisions for tall wood buildings and mass timber were codified under Appendix P of the 2019 OSSC.	Approve
T. 504.4	Allowable height in stories. IBC Addition: Height limits in stories above grade plane have now been established for the three new construction types included in mass timber construction, and increases in allowable height for Group S-1 in sprinklered buildings of Type IIB and IIIB construction have been made.	Approve
506.3.2	Allowable area frontage increase. IBC Modification: The methodology for establishing the permissible allowable area increase for frontage has been simplified through the use of a tabular format to make for a more efficient approach to allowable area determination.	Approve
T. 506.2	Allowable building area. IBC Addition: Building area limitations have now been established for the three new construction types included in mass timber construction, and an increase has occurred in allowable single-story floor area for Group I-3 occupancies in sprinklered buildings of Type IIA construction.	Approve
508.1	General mixed use and occupancy. OR A Adds uses within a winery in the exception. And specifies boiler rooms and areas over 750 ft ² where wine is stored in wood or cardboard cases are not exempt from separation requirements. The division made some editorial changes for clarity regarding incidental uses.	Retain
508.4.4	Separated occupancies IBC Clarification: A format change to Table 508.4.4 addressing separated occupancies is intended to eliminate confusion as to the table's proper use.	Approve
508.4.4.1	Fire separations of mass timber IBC Addition: Additional criteria for the use of mass timber elements serving as fire barriers and horizontal assemblies in mass timber buildings include the installation of a thermal barrier as part of any required incidental use and occupancy separations. Moved from Appendix P.	Approve
508.5	Live/work units IBC Clarification: The criteria for live/work units has been relocated from the special use provisions of Chapter 4 to the mixed occupancy provisions of Section 508, with no technical changes	Approve
508.5.7.1	Live/work units in detached one- and two-family dwellings or townhouses. OR A New amendment adding a path to NFPA 13D for structures regulated by the ORSC.	Approve

Section	Topic / Summary of change	Outcome
T. 509.1	Storage battery systems as incidental uses. IBC Modification: The identification of stationary storage battery systems as incidental uses, and the corresponding fire separations required for such uses, have been deleted from Table 509.1 and are now more comprehensively regulated by Section 1207 of the IFC, which will be integrated into OSSC.	Approve
510.2	Stairway construction in podium buildings. IBC Modification: Where a combustibile building (Type III, IV or V) is located above the lower noncombustible (Type IA) building when applying the horizontal building separation allowance, interior exit stairways located within the Type IA building may be constructed of combustibile materials where specified conditions are met.	Approve
CHAPTER 6 TYPES OF CONSTRUCTION		
T. 601	Fire-Resistance Rating Requirements for Building Elements (Hours) IBC Addition: The minimum required fire-resistance ratings for the building elements of those structures classified as one of the new construction types (Types IV-A, IV-B and IV-C) have been established as set forth in Table 601. OR A Adds to footnote "a" for where the reduction cannot apply. <i>Modify by adding "occupied roofs" to the footnote "a" to clarify the reduction does not apply to occupied roofs.</i> OR A Adds footnote "h" with a correlating note in Section 711.2.4. <i>BCD revised the amendment by separating the footnote into two separate footnotes for clarity.</i>	Approve Retain as modified Retain as modified
602.4	Mass timber Type IV buildings IBC Addition: While the past allowances for Type IV buildings have been maintained as Type IV-HT construction, three new construction types have been introduced to recognize other forms of mass timber construction. The provisions for tall wood buildings and mass timber were previously codified in Oregon under Appendix P of the 2019 OSSC.	Approve
602.4.1-602.4.3	Type IV-A, IV-B and IV-C buildings IBC Addition: New construction types (Types IV-A, IV-B and IV-C) are defined based upon the varying percentages of mass timber surfaces that are permitted to be unprotected. Moved from Appendix P.	Approve
602.4.2.2.2	Protected area. PP Committee proposal – Terry Whitehill, City of Portland Increases the allowable unprotected area on the ceiling from 20% to 100%, which is consistent with configurations tested in all of the RISE tests.	Approve
602.4.4	Type IV-HT buildings IBC Modification: The Type IV-HT designation has been introduced to differentiate the historical Type IV "heavy timber" construction type from the three new mass timber types of construction. Moved from Appendix P.	Approve
603.1	Combustible materials in Types I and II IBC Modification: In buildings of Type I and II construction, the allowance for the use of fire-retardant-treated wood in shaft enclosure and roof construction has been modified for Group I-2 buildings. In addition, the use of wood nailers for parapet flashing and roof cants is permitted in all buildings. Moved from Appendix P.	Approve
CHAPTER 7 FIRE AND SMOKE PROTECTION FEATURE		
703.6, 703.7	Noncombustible protection for mass timber IBC Addition: A test method has been provided to determine the contribution time of noncombustible protection to mass timber fire-resistance. In addition, edges and intersections between adjacent elements are to be sealed to limit smoke and air movement within a building. Moved from Appendix P.	Approve
704.6.1	Secondary attachments and fireproofing IBC Modification: Guidance has been provided to ensure continuity of fire-resistive protection where secondary steel attaches to either primary or secondary fire-resistance-rated structural members.	Approve
705.8.6	Vertical exposure. OR A Adds charging information for the vertical exposure opening protectives, modified the points of measurements., added provisions for those on separate lots. <i>BCD modified the provisions for clarity but did not change any technical requirements.</i>	Retain as modified
T. 705.5	Exterior wall ratings IBC Modification: The previous Table 602 dealing with exterior wall fire-resistance ratings based on fire separation distance has been relocated to Section 705 for inclusion with the general exterior wall requirements. The table was also revised to include the new mass timber construction types. As previously codified in Appendix P.	Approve
706.1.1	Party walls. OR A Deletes exception no. 2 for dedicated easements and maintenance.	Retain
707.4, 716	Separations of energy storage systems. IBC Modification: To both adequately isolate and protect energy storage systems from potential thermal runaway, the use of glazing with only a fire-protection rating is prohibited in fire-resistance-rated walls that are a portion of the enclosure of energy storage systems.	Approve

Section	Topic / Summary of change	Outcome
707.5	Enclosure of exit passageways. IBC Modification: Fire barriers creating an exit passageway may now terminate at a fire-resistance-rated top (lid) instead of continuing to the underside of the roof slab above.	Approve
708.1, 708.4.1	Supporting construction for fire partitions. IBC Modification: A more complete list of wall assemblies required to be constructed as fire partitions has been provided, and additional locations have been identified where fire partitions are permitted to be supported by non-rated construction.	Approve
709.4.1	Smoke barrier continuity. IBC Modification: Smoke barrier and smoke compartment continuity needed to effectively serve their intended purposes have been clarified through revisions to the definition and enclosure provisions.	Approve
710.5	Smoke partition openings. IBC Modification: Specific allowances are now provided for louvered doors and pass-through openings in smoke partitions that serve specified locations of a Group I-2 occupancy.	Approve
711.2.4	Fire-resistance rating. OR A Adds an exception to see Table 601 for “concrete floor or roof two-way assemblies having direct connection to the column.”	Retain
713.12	Top of shaft enclosure. IBC Clarification: The three options for termination at the top of a shaft enclosure are clarified.	Approve
715	Protection of joints and voids IBC Modification: The provisions for joints and voids have been reformatted and clarified to provide for more consistent application.	Approve
T. 716.1(2)	Doors in double fire walls IBC Modification: Appropriate opening protection is now addressed where two doors are used to protect a single opening, such as between adjacent hotel rooms or where a double fire wall is constructed.	Approve
716.2.2.1.1	Prohibited use of terminated stops IBC Modification: The use of “terminated stops” on door frames of doors providing smoke and draft control protection at elevator lobbies is now prohibited.	Approve
716.4	Fire-protective curtain assemblies IBC Addition: Labeling and performance requirements for fabric fire-protective curtain assemblies have been established.	Approve
717.2.3	Ceiling radiation dampers. IBC Modification: Use of static ceiling radiation dampers are now permitted where controls are used to shut down the airflow. 717.6.2.1.1 Dynamic systems and 717.6.2.1.2 Static systems.	Approve
717.4	Access to dampers. IBC Modification: Specific damper access requirements have been established, including an allowance for remote inspection where access cannot be provided.	Approve
717.5.2	Flex connectors. IBC Modification: An allowance to eliminate fire dampers where a fully ducted HVAC system is provided has been modified to permit the use of flexible connections.	Approve
722.7	Fire-resistance rating of mass timber. IBC Addition: A prescriptive approach has been provided to achieve the required fire-resistance ratings for new mass timber construction type members and assemblies.	Approve
CHAPTER 8 INTERIOR FINISHES		
806.3	Occupancy-based requirements. OR A Deletes section. Post Certificate of Occupancy issue.	Retain
808.1	Acoustical ceiling systems. OR A New amendment: Adds a pointer to Chapter 16 for the prescriptive path for suspended acoustical tile and lay-in panel ceiling systems in structures assigned to Seismic Design Categories C, D, E and F. (See Section 1613.1.1)	Approve
CHAPTER 9 FIRE PROTECTION AND LIFE SAFETY SYSTEMS		
901.1	Scope. OR A Adds scoping language that clarifies post-occupancy maintenance and testing interval requirements.	Retain
901.1.1	Fire protection system shop drawings. OR A Adds section for shop drawings for statutory requirements.	Retain
901.2	Fire protection systems. OR A Modifies for scoping	Retain
901.6.1	Supervisory service OR A New amendment: Clarifies that the 13D standard does not cover or require supervision or monitoring.	Approve
902.1.3	Environment. OR A Adds pump and riser rooms heated for freeze protection provisions	Retain

Section	Topic / Summary of change	Outcome
903.2.4	Upholstered furniture and mattresses IBC Modification: F-1 sprinkler provisions for upholstered furniture and mattresses have been modified to clearly indicate the scope of the required protection. Also: 903.2.7 Group M. and 903.2.9 Group S-1.	Approve
903.2.4.2	Distilled spirits IBC Addition: Imposes a sprinkler requirement for both the manufacturing (F-1) and bulk storage (S-1) of distilled spirits. Also see 903.2.9.3 Group S-1 Distilled spirits or wine. <i>Modify by adding "or wine" to 903.2.4.2 to match the language in 903.2.9.3.</i>	Approve as modified
19 OSSC 903.2.8.4	Substantial alteration or damage. OR A Adds section to address substantial alterations. BCD recommends relocating to Chapter 34, existing building provisions. <i>Modify by moving to Chapter 34.</i>	Retain as modified
903.2.8.4	Care facilities. OR A New amendment: Removing "with five or fewer individuals" in alignment with ORSC. Providing additional flexibility for care facilities under current Oregon licensing which are permitted to have up to 16 individuals receiving care in a dwelling. <i>The board will be discussing this matrix item separately.</i>	Approve
903.2.10	Sprinklers in parking garages IBC Modification: An automatic sprinkler system must now be installed in an open parking garage where a specific fire area or height threshold is exceeded.	Approve *Slight increase
903.2.10.2	Mechanical-access parking garages IBC Addition: Mechanical-access enclosed parking garages are now defined and require an automatic sprinkler system.	Approve
903.2.11.7	Piers or wharves. OR A Adds provisions for piers and wharves attached to or supporting a superstructure	Retain
903.3.1.2	NFPA 13R sprinkler protection. IBC Modification: The maximum building height where an NFPA 13R sprinkler system is permitted has been reduced. In addition, where the podium provisions of Section 510 are applied, the story height measuring point has been changed to grade plane. PP 2024 IBC code adoption proposal : Approve the public comment to the ICC proposal.	Approve
903.3.1.2.1	Balconies and decks. OR A Removes "provided that there is a roof or deck above."	Retain
903.3.1.2.2	Corridor and balcony sprinklers. IBC Modification: Sprinkler protection must now be extended into corridors and balconies used in the means of egress, even though the location may be exempt based upon the NFPA 13R standard.	Approve *Fiscal
904.14	Domestic cooking facilities. OR A Adds "operated by a college or university for student housing" to no 3.	Retain
905.3.1	Standpipes in parking garages. IBC Modification: The standpipe requirements for both open and enclosed parking garages have been modified impacting the type of system, the threshold heights, and the necessary water supply.	Approve
907.2	Where required-new buildings and structures. (fire alarms) OR A Deletes exception no. 2 and adds additional clarification proposed in charging language.	Retain
907.2.10	Manual alarms in Group S buildings. IBC Addition: A manual fire alarm system is now required in self-storage facilities that are three stories or more in height and have interior corridors.	Approve *Fiscal
907.2.11	Single- and multiple-station smoke alarms. OR A Section 29.3.8 of NFPA 72 is not adopted. Also see Item 9-22.	Retain
907.4	Initiating devices. IBC Modification: Relocates list of occupant notification initiating devices.	Approve
907.5	Occupant notification. IBC Modification: Where a fire alarm system is required in Group R-1 and R-2 occupancies, a low-frequency signal shall be used in the sleeping rooms to improve the waking effectiveness of the occupant notification devices.	Approve *Fiscal
907.5.2.2	Emergency voice/alarm communication systems. PP Committee proposal : Language by Eric Bressman Exception no. 1 for emergency voice/alarm communication systems in the area of the occupied roof where required elsewhere in the building.	Approve
907.5.2.3.2	Groups I-1, and R-1, and R-4. OR A Adds Group R-4 provisions.	Retain
907.5.2.3.3.1	Wired equipment. OR A Future capability of system to support visible devices was previously deleted in 2019 OSSC.	Retain
909.20.6	Smokeproof enclosures. IBC Modification: A new alternative method of pressurizing both the stair enclosure and the vestibule relative to the fire floor has been established for smokeproof enclosures.	Approve
911.1	Fire command center, general.	

Section	Topic / Summary of change	Outcome
	IBC Modification: A fire command center is now required in buildings housing Group F-1 or S-1 where the building footprint is over 500,000 square feet in size.	Approve
911.1.3	Fire command center, size. IBC Modification: A fire command center is now required in buildings housing Group F-1 or S-1 occupancies where the building footprint is over 500,000 square feet in size. Minimum size is specified for these groups.	Approve
911.1.7	Fire command center identification. IBC Addition: IBC added a section for marking.	Approve
915	Where required. (CO detection) OR A The 2014 OSSC provisions were maintained in the 2019 OSSC. The proposed drafts adjust the amendments to align more closely with existing model code while maintaining statutory requirements, and location and power source consistency.	Approve as modified
918.1	Emergency responder communication coverage, general. OR A Adds provisions and provides predictable application. OR A New alignment regarding section format, and survivability of the systems is proposed by BCD staff. The proposal provides formatting and compliance options for survivability consistent with the model code and NFPA 1221.	Retain Approve
CHAPTER 10 MEANS OF EGRESS		
1006.2.1	Egress from mechanical rooms and penthouses IBC Modification: The common path of travel distance limitations for unoccupied mechanical rooms and penthouses have been eliminated.	Approve
1006.2.2.1.1	Equipment rooms containing boilers. OR A Provisions regarding equipment rooms containing boilers.	Retain
1006.3.1, 1006.3.2	Occupant load and egress from stories. IBC Modification: The means of egress provisions applicable to occupied roofs have been clarified. Potential language clarification necessary in 1006.3.2 exc.	Approve
1006.3.4	Single exit stories IBC Modification: For single-exit stories, the travel distance limits are now based on the exit access travel distance as opposed to the common path of egress travel.	Approve
1008.2.1	Stairway illumination. IBC Modification: The minimum illumination level for both exit and exit access stairways has been increased from 1 foot-candle to 10 foot-candles.	Approve
1009.2.1	Accessible Elevators to occupied roofs. Elevators required. IBC Modification: An elevator serving an occupied roof must now be considered as one of the required accessible means of egress where the roof is located directly above the third story above the level of exit discharge.	Approve
1009.6.2	Stairway or elevator access. IBC Modification: The use of an interior area of refuge at the level of exit discharge instead of an exterior area for assisted rescue is now permitted.	Approve
1009.6.3	Size. IBC Modification: The minimum required size of the clear floor space for a wheelchair has been increased to 30 inches in width by 52 inches in length to coordinate with the 2017 edition of the ICC A117.1 Standard. (Also see 3008.6.4)	Approve
1010.1.1	Size of doors. IBC Modification: The maximum width for a swinging door is no longer regulated and a consolidated exception now allows for reduced door sizes where serving single-user showers, saunas and toilet compartments, as well as dressing, fitting and changing rooms.	Approve
1010.1.1.1	Projections into door openings. IBC Modification: Additional components are now specifically permitted to project into the min. required door opening height.	Approve
1010.1.3	Door opening forces. IBC Modification: The requirements for releasing the latching hardware and the force to open the door have been divided into separate subsections to provide coordination with the 2017 edition of the ICC A117.1.	Approve
1010.2.4	Locks and latches. IBC Modification: The general locking provisions have been expanded to allow locked doors in the egress system when desired due to the clinical needs of care recipients or where exterior areas egress back through the building.	Approve
1010.2.8	Locking arrangements in Group I-4. IBC Modification: Group I-4 occupancies are now regulated under the special locking arrangements allowed for other "educational occupancies." Moved from 1010.1.4.4	Approve
1010.2.14	Controlled egress doors in Groups I-1, and I-2, R-3, and R-4 facilities providing care. OR A Adds R-3 and R-4 facilities providing care. Deletes item no 5 and adds exception no. 3 to item no. 7.	Approve
1011.6	Stairway landings.	

Section	Topic / Summary of change	Outcome
	IBC Modification: Requirements addressing the layout and configuration of landings, both curved and those that exceed the minimum size, have been revised.	Approve
1011.11	Handrails. OR A Adds Group R-3 occupancy exceptions single risers to flight of stairs.	Retain
1011.12	Stairway to roof. OR A Added stairway to roof marking requirements. OR A New amendment: Clarified alternating tread device and ship's ladder exception requirements, removed permanent vertical ladder model code allowance.	Retain Approve
1011.12.2	Roof access. OR A Exempts 30 x 8 instead of 16 x 2. <i>Modify by changing the exception language to allow no less than 36 in. x 8 ft. to mitigate the conflict with 30-inch requirement for the alternating tread devices and ship's ladders and then the roof access roof hatch or trap door 30-inch requirement.</i>	Retain as modified *Increase
1015.2	Where required. (Guards) PP Committee member proposal – Terry Whitehill, City of Portland Requires guards at the perimeter of the occupied portions of an occupied roof for increased protection.	Approve
1016.2	Egress through intervening spaces. IBC Modification: Egress through an enclosed elevator lobby area is now permitted for spaces requiring only one egress.	Approve
1017.2.3	Group H-5 Increase. PP Committee member proposal – Eric Sandoval <ul style="list-style-type: none"> • Adds to footnote "a", a reference to Section 1017.2.3 for increased distance limitation in Group H-5 to Table 1017.2. • Adds Section 1017.2.3 for Group H-5 increase provisions. • Adds Section 415.11.10.4 for increase travel distance provisions with a pointer back to Section 1017.2.3 	Approve
1019.3	Exit access stairways. IBC Clarification: The allowance exempting the enclosure of exit access stairways that only serve two stories has been clarified by mandating that the stories be adjacent.	Approve
1020.5	Dead-end corridors. IBC Modification: In hospitals, a corridor that does not serve patient rooms or treatment spaces is now allowed a maximum 30-foot dead end.	Approve
1030.16	Handrails at social stairs. IBC Modification: Guidance is now provided to address what are often called "social stairs," which are regulated by a combination of the general stairway provisions and those for assembly seating.	Approve
1031	Emergency escape and rescue openings. IBC Modification: Although predominately a reorganization of the emergency escape and rescue opening provisions to coordinate the IBC and the International Residential Code (IRC) provisions have also been added to address the size of steps from an area well and the use of a door.	Approve
1031.2	Where required. IBC The word "exterior" has been deleted because it is now included in the definition. A new Exception 4 references the ICC 500 standard for storm shelters. Although many of the dimensional requirements are consistent, Section 501.4 of that standard contains requirements for an emergency opening in spaces that have only a single means of egress. Since the ICC 500 standard contains specific requirements for the emergency opening, it is appropriate to use those requirements for storm shelters instead of those found in the IBC.	Approve
1031.4	Emergency escape and rescue doors. IBC The new EERO text intends to use substantially the same criteria for both doors and windows rather than separate requirements for each. This new requirement will be a bit more restrictive than before by limiting EERO doors to a swinging door or a sliding door.	Approve
1031.5	Area wells. IBC The primary changes in the area well provisions are editorial revisions to provide clearer language and wording that is consistent with other sections. For example, the term is changed from "window wells" since doors are also allowed to serve as the EERO. The term "finished sill height" is changed to "the bottom of the clear opening" to coordinate with the location the measurement in Section 1031.3.3 is made to.	Approve
1031.5.2	Ladders or steps. IBC A significant change provides technical guidelines for steps from an area well. While the code previously excluded these steps from needing to comply with the stairway requirements of Section 1011, it provided no details regarding what sizing or spacing was appropriate. The established dimensions allow the width and spacing between the steps to be 18 inches as is currently allowed for the ladder and a 5-inch minimum tread depth that is currently allowed for alternating tread devices and ships' ladders in Sections 1011.14 and 1011.15. Having a specific set of requirements will provide consistency where steps are installed.	Approve
1031.5.3	Drainage.	

Section	Topic / Summary of change	Outcome
	IBC Provisions regarding drainage have been added consistent with the provisions from the IRC to address the concern of water accumulation in the area well.	Approve
1031.6	Bars, grilles, covers and screens. IBC The requirements related to alterations of existing buildings have been relocated to the International Existing Building Code (IEBC) since that is the appropriate document for such buildings.	Approve
1031.7 1031.8	Emergency escape and rescue openings. OR A Proposed new amendments: Add two new sections for emergency escape and rescue openings under decks, porches, and similar projects, and above lower roof surfaces. This is in alignment with Section R310 of the ORSC.	Approve
CHAPTER 11 ACCESSIBILITY		
1102	Accessible design compliance. IBC Modification: The ICC A117.1 standard that is referenced by the International Building Code (IBC) for the design and construction of accessible buildings and facilities has been updated from the 2009 edition to the 2017 edition and includes several new and revised technical requirements.	Approve *Fiscal
1102.1	Design. OR A Adds clarification: "as detailed in this chapter" to help prevent misapplication of the design standard.	Retain
1102.1.1	Alternate methods. OR A Adds section for alternate methods and a text box for ORS 447.220	Retain
1102.1.2	Amendments to ICC A117.1. OR A Modifies ICC A117.1 in accordance with BCD authority and alignment with Oregon-specific requirements.	Retain
1102.1.2.9	Type A unit operable parts—ICC A117.1 Section 1109.9. PP OSSC 22-02: The proposal adds an exception for range over counters to be 25½ inches. <i>Modified by the proponent. See the proposal for new language.</i>	Approve as modified
1102.1.2.10	Type B unit operable parts—ICC A117.1 Section 1104.9. PP OSSC 22-03: The proposal adds an exemption for accessible outlets for counters between range and refrigerator if the counter is less than 18" wide. <i>Modified by the proponent. See the proposal for new language.</i>	Approve as modified
1103.2.15	Private membership clubs and churches. OR A Adds a section based on statute.	Retain
1104.4	Multistory buildings and facilities. IBC Clarification: The application of the 3,000 square-foot exclusion for a vertical accessible route in buildings having four or more dwelling units is now prohibited. OR A Adds multiple exceptions.	Approve Retain
1104.5	Elevators required. OR A Adds section to address where elevators shall be provided for accessibility based on statute.	Retain
1105.1.1	Automatic doors at public entrances. IBC Addition: In certain occupancies, the accessible public entrances of buildings with larger occupant loads must now be provided with an automatic door.	Approve *Fiscal
T. 1106.2	Accessible parking spaces. OR A Modified to include van accessible spaces and wheelchair user only spaces in accordance with statute.	Retain
1106.10.3	Group I-2. OR A Adds section for Group I-2 health care occupancies, requiring that at least one accessible entry be under shelter and that every such entry include a passenger loading zone.	Retain
1106.6	Van spaces. OR A Adds that any space that is designated as van accessible shall be reserved for wheelchair users, where five or more parking spaces are designated accessible in accordance with statute.	Retain
1106.7	Location. OR A Accessible parking spaces shall be located on the shortest practical accessible route of travel	Retain
1106.8	Surfacing and identification of parking spaces. OR A Adds provisions for surface and identification of parking spaces to align with statute.	Retain
1107	Motor-vehicle-related facilities. IBC Addition: Scoping provisions have been provided to make electrical vehicle charging stations accessible. *Note: The provisions in this section are not required by the ADA and Section 1107.2.2 conflicts with statute. Section 1107 is proposed as not adopted.	Approve
1108.5	Group I. IBC Addition: A series of changes were made to the assisted living and nursing home provisions to allow some units to have toilet and bathing facilities designed for assisted use instead of the independent use generally intended by the ICC A117.1 provision. OR A Adds "Type A units"	Approve Retain
1108.5.1	Group I-1.	

Section	Topic / Summary of change	Outcome
	OR A Adds "Type A units"	Retain
1108.5.1.1	Accessible units in Group I-1, Condition 1. IBC Addition: Changes allow some units to have toilet and bathing facilities designed for assisted use instead of the independent use generally intended by the ICC A117.1 accessible unit provisions. OR A Clarifies section relates to accessible units in Group I-1, Condition 1 in alignment with the next section.	Approve Retain
1108.5.1.2	Accessible units in Group I-1, Condition 2. IBC Addition: Changes allow some units to have toilet and bathing facilities designed for assisted use instead of the independent use generally intended by the ICC A117.1 accessible unit provisions.	Approve
1108.5.1.2.1	Assisted living and residential care facilities. OR A Requires roll-in-type shower compartments for Group I-1, Condition 2 assisted living facilities and residential care facilities.	Retain
1108.5.1.3	Type A units. OR A Requires every dwelling unit or sleeping unit In Group I-1, Condition 2 assisted living facilities and residential care facilities to be a Type A unit provided with bathing facilities.	Retain
1108.5.1.5	Bathing facilities. OR A Adds provisions for bathing facilities inside and outside of dwelling or sleeping units.	Retain
1108.5.2	Group I-2 nursing homes. IBC Modification: Adds 2 exceptions to ICC A117.1 compliance.	Approve
1108.5.2.1	Accessible units. IBC Modification: Adds 2 exceptions to ICC A117.1 compliance. OR A Allows the folding seat to be omitted for standard roll-in-type shower compartments and the shower controls to be located on the side walls in Group I-2, Condition 1 nursing homes. (2019 OSSC Section 1108.5.2.3) to align with licensure.	Approve Retain
1108.5.4	Group I-2 rehabilitation facilities. IBC Modification: Adds 2 exceptions to ICC A117.1 compliance.	Approve
1108.6.4	Group R-4. OR A Adds Type A units	Retain
1108.6.4.1	Accessible units. OR A Group R-4, Condition 2 assisted living facility and residential care bathing facilities.	Retain
1108.6.4.2	Type A units. OR A Requires every dwelling unit or sleeping unit In Group R-4, Condition 2 assisted living facility and residential care dwelling units and sleeping units to be a Type A unit provided with bathing facilities.	Retain
1108.6.4.4	Bathing facilities. OR A Adds provisions for bathing facilities inside and outside of dwelling or sleeping units in R-4 Condition 2 ALF/RCF to align with licensure.	Retain
1109.2	Assembly area seating. OR A Specifies the provisions apply to lawn seating provided accessory to an "affected building". See definition in ORS 447.210(1)	Retain
1109.2.9	Dining and drinking areas. OR A Removes the exception for dining and drinking areas in a mezzanine.	Retain
1109.2.9.1	Dining surfaces. OR A Addresses a bar or counter exceeding 34 inches in height provided for consumption of food or drink. Requires structurally integrated portion.	Retain
1110.13.2	Service windows. IBC Clarification: Sales and service counters now specifically address windows, and such elements are to be accessible whether or not a counter is provided at that location.	Approve
1110.15	Operable parts. IBC Modification: A new reference to the operable parts provisions of ICC A117.1 allows the removal of like exceptions from the IBC.	Approve
1110.6	Bottle filling stations. IBC Addition: Where provided, bottle filling stations must now be accessible.	Approve
1113.1	Clustered mailboxes. OR A Adds a section addressing clustered mailboxes based on statute.	Retain
CHAPTER 12 INTERIOR ENVIRONMENT		
1202.1	Ventilation, general. PP OSSC 22-04: Clarify the requirement for mechanical ventilation of dwelling units based on the adoption of the air sealing provisions of the Oregon Energy Efficiency Specialty Code. *This proposal removes existing design option for natural ventilation of dwelling units. <i>The board will be discussing this matrix item separately.</i>	Approve *Significant fiscal
1202.3	Insulation of unvented attics	

Section	Topic / Summary of change	Outcome
	IBC Modification: A new option is available for the regulation of unvented attics with air-permeable insulation and vapor diffusion ports in warmer climates. Also added definition for "vapor diffusion port."	Approve
1202.4.3	Mechanical ventilation. OR A Requires the ground surface of mechanically ventilated crawlspaces to be covered with a Class I vapor retarder.	Retain
1207	Enhanced classroom acoustics. IBC Addition: Educational occupancies and classrooms of certain volumes are now required to meet the enhanced classroom acoustic requirements of Section 808 of ICC A117.1. <i>*Fiscal:</i> Committee member, Janice Sanada researched the cost impact for these provisions. See submission.	Approve <i>*Fiscal</i>
1208.4	Efficiency dwelling units. IBC Modification: The minimum required floor area of an efficiency dwelling unit has been reduced to 190 square feet, and a definition of an efficiency dwelling unit has been added.	Approve
1210.3	Privacy. IBC Addition: Concerns regarding privacy within public restrooms have been addressed by requiring a screening element at the entry to the restroom. Editorial adjustments proposed.	Approve
1210.3.2	Single-user toilet rooms and bathing rooms. OR A Adds privacy occupied indicator provisions for single-user toilet rooms and bathing rooms. - New in 2019 OSSC	Retain
1210.4	Fixture clearances. OR A Adds fixture clearance requirements for water closets, bidets and urinals. Clarifies that fixtures required to be accessible must comply with Chapter 11 and ICC A117.1.	Retain

CHAPTER 13 ENERGY EFFICIENCY

Chapter 13 points to the Oregon Energy Efficiency Specialty Code (OEESC) for energy efficiency provisions. The 2021 OEESC was adopted April 1, 2021.

CHAPTER 14 EXTERIOR WALLS

1404.3	Vapor retarders. IBC Modification: Vapor retarder provisions have been reorganized and thresholds clarified for when a vapor retarder is required and which retarder is required as well as location and climate zone requirements. T. 1404.3(1) Vapor retarder materials and classes, T. 1404.3(2) Vapor retarder options, T. 1404.3(3) Class III vapor retarders. OR A New amendments: remove climate zones that are not applicable in Oregon.	Approve Approve
1404.3.1	Class I and II vapor retarders. IBC Modification: New Table 1404.3.1 assigns minimum continuous insulation R-values where Class II vapor retarders are installed. OR A Adds exception to masonry walls with exposed interior surfaces and where exterior continuous rigid insulation is at least 50 percent of the required R-value.	Approve Retain
1404.3.2	Class III vapor retarders. IBC Modification: The appropriate use of Class III vapor retarders with spray foam insulation has been clarified. 1404.3.2.1 Spray foam plastic insulation for moisture control with Class III vapor retarders. 1404.3.2.1.1 Hybrid insulation for moisture control with Class III vapor retarders.	Approve
1404.10.3	Interior adhered masonry veneers. OR A Adds an exception to the limitation where interior adhered masonry veneer can support its own weight and the lateral load for the interior adhered masonry veneer is provided through the use of an engineered system, the 20 psf limitation does not apply.	Retain
1406.10	Metal composite material cladding IBC Modification: From an application perspective, requirements for metal composite materials installed on exterior walls of buildings of Type I, II, III and IV construction have been significantly simplified and limited by the deletion of the alternate conditions previously set forth in Section 1406.11.	Approve
1407.4.1	EIFS with drainage required. OR A Requires all EIFS be provided with drainage to align with statute. <i>Modify by removing "replacements"</i>	Retain as modified

CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

1503.3	Parapet walls IBC Modification: Parapet walls now require moisture resistance in a manner similar to the remainder of the building.	Approve
1504.5	Ballasted roofs	

Section	Topic / Summary of change	Outcome
	IBC Modification: All requirements applicable to the design and construction of ballasted low-slope roofs are now contained in the ANSI/ SPRI RP-4 standard.	Approve
1504.9	Wind resistance of aggregate-surfaced roofs. IBC Modification: Parapets of a minimum height are now required for aggregate-surfaced roofs to prevent blow-off.	Approve
1512.2.2	Reroofing inspection. OR A A building official can require an inspection prior to the installation of new roofing.	Retain
1512.2.3	Final inspection. OR A Requires a final inspection and approval from building official when reroofing is complete.	Retain
CHAPTER 16 STRUCTURAL DESIGN		
1602.1	Notations OR A New amendments: Clarifies that the list provided is not all inclusive.	Approve
1603.1.3	Construction documents (CDs) - Snow load. OR A New amendments: Cleans up misalignment between model code and our longstanding, statewide minimum roof snow load requirement. Most coastal communities and some in the Willamette Valley have ground snow loads below 10 psf, but are still subject to minimum roof snow load per Section 1608.2 and were never intended to be exempt from this snow load data on <i>CDs</i> requirement in 1603.1.3.	Approve
1603.1.4	Construction documents (CDs) – Component and cladding wind zones and pressures. IBC Modification: All exterior component and cladding design wind pressures and their zones with dimensions must now be identified on the <i>CDs</i> . Note: It's expected that this will increase the EORs design/consulting fee, and that the overall impact to project cost will vary depending on scope/complexity. PP OSSC 22-05: This proposal removes a requirement for the engineer of record to provide wind pressure maps for exterior wall elevations and roof plans of buildings on the <i>CDs</i> . Note: V_{asd} is still referenced in various locations of the code (e.g. 1507.17.4, 2109.1, 2304.6.1, 2308.7.5, etc.). BCD recommends the committee consider also striking the V_{asd} listing requirement from the Exception in Section 1603.1.	Retain 2019 OSSC language
1604.4	Analysis. PP OSSC 22-06: This proposal cleans up a long-standing conflict between ASCE 7 and the IBC regarding structural analysis requirements.	Approve
T. 1604.5	Risk categories of assembly spaces IBC Modification: Mixed occupancy buildings with one or more assembly spaces, each with an occupant load greater than 300, are now designated as Risk Category III when the total combined occupant load of those assembly spaces is greater than 2,500. Intended to capture other assembly spaces where public assembly is not the primary occupancy of the building.	Approve as modified
1605	Load combinations IBC Modification: The strength design and allowable stress design load combinations have been replaced with a direct reference to load combinations in Chapter 2 of ASCE 7. Removes duplication and minor variations that have existed between these IBC and ASCE 7 equations in the past.	Approve
1606	Dead loads. IBC Modification: The weights of vegetative roofs, photovoltaic panel systems and fixed services equipment for design purposes are now explicitly described.	Approve
1606.4.1	Solar-ready roofs. PP OSSC 22-07: Correlates with OSSC 22-11 and OSSC 22-15: Requires solar-ready roofs to include an additional 5 psf dead load over solar-ready zone of roof for the gravity and lateral design of the building.	Approve
T. 1607.1	Minimum uniformly distributed live loads, L_0, and minimum concentrated live loads IBC For clarification, replaces 12 of the previous footnotes with more explicit language in the body of Section 1607. For example, previous footnotes 'i', 'j', and 'k' are now captured by new Section 1607.22, Residential Attics. OR A Deletes a comma in Item 30 for clarification, adds "except for one-and two-family dwellings" for Item 33, and adds Item 38. OR A New amendments: Seth Thomas proposed adding equipment rooms to the table, and a footnote to point to Section 1606.3 for dead loads.	Approve Retain Approve
1607.11.4	Rope descent systems. IBC Modification: For alignment with new regulations adopted by OSHA in 2017, rope descent system anchorage has been added to the section on fall arrest and lifeline anchorage. Also, requirements for the design of horizontal lifeline anchorage have been added to ensure the design considers increased forces associated with horizontal lifeline geometry.	Approve
1607.14.2.2	Occupiable roofs. OR A New amendments: Corrects model code misalignment. There is no path to reduce live loads on areas of roofs used for assembly purposes in Section 1607.12. No change from past enforcement/application, just code clean up.	Approve

Section	Topic / Summary of change	Outcome
1607.17	Fixed ladder live load. IBC Addition: Live loads for fixed and ship's ladders have been added to the IBC with reference to ASCE 7 for more specific, associated design provisions.	Approve
1608.2	Snow Load Modifications to ASCE 7. OR A Adds modifications to ASCE 7 to align with model code while capturing longstanding Oregon specific snow load requirements/minimums throughout Section 1608.2.	Retain
1608.3	Site-specific snow load study. OR A Adds trigger requiring a site-specific snow load study for those that exceed the threshold loads in Table 1608.3. From historic SEAO Snow Load Analysis for Oregon.	Retain
1609.1.1	Determination of wind loads. OR A Adds "using the basic design wind speed, as determined by Section 1609.3" and removes contrary language to align with Oregon specific wind loading criteria. Exceptions 4 (flagpole design) and 5 (antenna towers) require wind speeds determined by Section 1609.3 be used instead of the outdated wind speeds referenced in those standards. PP OSSC 22-08: This proposal adopts state wind maps in the format previous cycles has taken (design speed per county).	Retain Approved
1609.2	Wind Loads Modification to ASCE 7. OR A New amendments: Moves 2019 OSSC Section 1613.4.14 ASCE 7 Section 31.6.1.2 to Section 1609.2 for consistency. PP OSSC 22-09: This proposal clarifies the requirements for the peer review of a site-specific wind study for a project.	Approve Approve
1609.3	Basic design wind speed. OR A Removes nonapplicable model code language and points to Oregon specific criteria. PP OSSC 22-08: Adds "Areas of special wind regions in Table 1609.3 shall be identified using Figure 1609.3" for clarity. Current, and only reference to Figure 1609.3 is via footnote to Table 1609.3.	Retain Approve
F. 1609.3	Oregon special wind regions. OR A Adds Oregon-specific figure showing the special wind regions in Oregon.	Retain
T. 1609.3	Basic design wind speed, V, for Risk Category I, II, III, and IV buildings and other structures. OR A Adds Oregon-specific table showing the basic design wind speed for each county.	Retain
1609.4	Exposure category. PP OSSC 22-10: This proposal cleans up language between ASCE 7 and the model code.	Approve
1610.1	Lateral pressures. OR A Explicitly requires/addresses an increase in lateral pressure where a retaining wall supports an ascending backfill slope.	Retain
1610.2	Soil-caused uplift. IBC Addition: Clarifies that hydrostatic or expansive soil uplift forces need to be included in the design of slab on grade and foundations where applicable.	Approve
1611.1	Design rain loads. IBC Modification: Secondary drainage system rain loads are updated to be align with ASCE 7. OR A Removes ambiguous rainfall rates language.	Approve Retain
F. 1611.1	100-year, 1-hour rainfall. OR A Replaces with Oregon-only figure: based on ICC figure	Retain
1612.3	Establishment of flood hazard areas. OR A Modification aligning the provision with OAR's.	Retain
1612.4	Flood hazard documents. IBC Modification: inclusion of a flood emergency plan in accordance with Chapter 6 of ASCE 24 to be submitted with CDs. Also, in coastal high hazard and coastal A zones, requires a statement on the CDs regarding how the design of breakaway walls were addressed in accordance with ASCE 24.	Approve
1613.1.1	Suspended Acoustical Tile or Lay-in Panel Ceilings – seismic design OR A New amendments: Added pointer in Section 808 Acoustical Ceiling Systems to this new subsection 1613.1.1. This added subsection and pointer in 808 is an attempt to provide a more specific code path for the prescriptive seismic design requirements of these systems.	Approve
1613.2.1	Mapped acceleration parameters. OR A Provides direct path to ATC Hazards by Location Tool for determination of site specific, mapped acceleration parameters.	Retain
1613.3	Photovoltaic panel systems. PP OSSC 22-11: Coordinates with OSSC 22-07 and OSSC 22-15.	Approve
1613.4	Modifications to ASCE 7. OR A Section adds amendments to ASCE 7 seismic provisions	Retain
1613.4.1	ASCE 7, Section 12.2.3.2, Item E. OR A Adds modifications to ASCE 7, Section 12.2.3.2, Item E for two-stage analysis procedure	Retain
1613.4.2	ASCE 7, Section 13.1.4, Items 5 and 6. OR A Changes component weight trigger from 20 lbs to 75 lbs.	Retain

Section	Topic / Summary of change	Outcome
1613.4.3	ASCE 7, Table 12.2-1, G.2 and Footnote Q. OR A Adds modifications to ASCE 7, Table 12.2-1, G.2 and footnote Q for design coefficients and factors for seismic force-resisting systems.	Retain
1613.4.4	ASCE 7, Table 12.2-1 Footnote J. OR A Adds modifications to ASCE 7, Table 12.2-1 footnote J for design coefficients and factors for seismic force-resisting systems.	Retain
1613.4.5	ASCE 7, Section 12.2.5.4. OR A Adds modifications to ASCE 7, Section 12.2.5.4 for increased structural height limit for steel eccentrically braced frames, steel special concentrically braced frames, steel buckling-restrained braced frames, steel special plate shear walls, and special reinforced concrete shear walls.	Retain
1613.4.6	ASCE 7, Section 12.2.5.6. OR A Adds modifications to ASCE 7, Section 12.2.5.6 for steel ordinary moment frames.	Retain
1613.4.6.1	ASCE 7, Section 12.2.5.6.1, Item A. OR A Adds modifications to ASCE 7, Section 12.2.5.6.1, Item A for single-story steel ordinary moment frames in Seismic Design Category D or E.	Retain
1613.4.6.2	ASCE 7 Section 12.2.5.6.2. OR A Adds modifications to ASCE 7 Section 12.2.5.6.2 for single-story steel ordinary moment frames in Seismic Design Category F.	Retain
1613.4.7	ASCE 7, Section 12.2.5.7. OR A Adds modifications to ASCE 7, Section 12.2.5.7 for steel intermediate moment frames.	Retain
1613.4.7.1	ASCE 7, Section 12.2.5.7.1, Item A. OR A Adds modifications to ASCE 7, Section 12.2.5.7.1, Item A for Single-story steel intermediate moment frames in Seismic Design Category D.	Retain
1613.4.7.2	ASCE 7, Section 12.2.5.7.2, Item A. OR A Adds modifications to ASCE 7, Section 12.2.5.7.2, Item A for Single-story steel intermediate moment frames in Seismic Design Category E.	Retain
1613.4.7.3	ASCE 7, Section 12.2.5.7.3, Item A. OR A Adds modifications to ASCE 7, Section 12.2.5.7.3, Item A for Single-story steel intermediate moment frames in Seismic Design Category F.	Retain
1613.4.8	ASCE 7, Section 12.3.3.1. OR A Adds modifications to ASCE 7, Section 12.3.3.1 for prohibited horizontal and vertical irregularities for Seismic Design Categories D through F.	Retain
1613.4.9	ASCE 7, Section 12.7.2, Item 1 OR A Adds modifications to ASCE 7, Section 12.7.2, Item 1 for effective seismic weight.	Retain
1613.4.10	ASCE 7, Section 12.14.8.1, Item 1. OR A Adds modifications to ASCE 7, Section 12.14.8.1, Item 1 for seismic base shear.	Retain
1613.4.12	ASCE 7, Section 13.5.6.2.2, Item c. OR A Adds modifications to ASCE 7, Section 13.5.6.2.2, Item C for Seismic Design Category D through F. OR A New amendments: BCD recommends amendment to change this existing OR amendment. There have been several instances where RDPs have misinterpreted that these systems are exempt from seismic design/detailing when they are under 1,000 sq. ft. Also, it's not a modification, but a reprint of ASTM E580 Section 5.2.8.1, which is the intent of the sublettering of ASCE 7. BCD proposes pulling language from ASTM E-580 Section 1.5 making it a modification to ASCE 7 since that exact language isn't already in Section 5 of ASTM E580. Clarifies scoping and cite-it code path.	Retain Approve
1613.4.12	ASCE 7, Section 15.4.3. OR A Adds modifications to ASCE 7, Section 15.4.3 for loads.	Retain
1613.4.13	ASCE 7, Section 21.3. OR A Adds modifications to ASCE 7, Section 21.3 for design response spectrum.	Retain
1613.4.14	ASCE 7, Section 13.4.5, Exceptions OR A Changes the term distributed systems to "distribution" systems since distribution systems is a defined term in ASCE 7. The term "distributed systems" had been misapplied by design professionals in several instances. Confirmed intent via ASCE staff.	Retain
1613.4.9	Modification to ASCE 7, Section 12.3.3.3. PP OSSC 22-12: Incorporate known forthcoming revision in ASCE 7-22, intended to eliminate misinterpretation of 12.3.3.3. <i>Modify Section 12.3.3.3 of ASCE 7, by adding "and their connections."</i>	Approve as modified
1613.5	Earthquake recording instrumentation. OR A Adds requirement that all major structures and Risk Category III and IV buildings be provided with an approved system with not less than three approved recording accelerographs.	Retain
1613.5.1	Location. OR A Adds requirements for the location of earthquake recording inst.	Retain
1613.5.2	Maintenance. OR A Requires maintenance and service be provided by the owner.	Retain

Section	Topic / Summary of change	Outcome
1613.5.3	Records. OR A Requires recorded information be reported to DOGAMI.	Retain
1615	Tsunami loads. OR A Adds requirements for Tsunami loads based on passed legislation (HB 2605). Also strikes model code exception in Section 1604.5 regarding risk category determination.	Retain
CHAPTER 17 SPECIAL INSPECTIONS AND TESTS		
1704.2.5.1	Fabricator Approval. OR A Adds "by a nationally recognized accrediting authority."	Retain
1704.6	Structural observations. IBC Modification: Adds/clarifies the expectation/requirements for the structural observer.	Approve
1705.2	Steel construction. OR A Existing amendment.	Retain
1705.2.1.1	Modifications to AISC 360, Chapter N. OR A Existing amendment.	Retain
1705.2.1.2	High strength bolting. OR A Existing amendment.	Retain
T. 1705.2	Required verification and inspection of steel construction. OR A Adds a table OR A Item 6b – corrects ACI 318 Section 4.2.2 reference to Section 26.6.4	Retain Approve
1705.3	Concrete construction, Exceptions OR A Clarifies model code intent of Exception 2, Items 2.1, 2.2 and 2.3; confirmed with ICC.	Approve
T. 1705.3	Special inspection of precast concrete. IBC Addition: Special inspection requirements for precast concrete diaphragm connections have been added to the list of general concrete special inspections and tests.	Approve
1705.4.1	Empirically designed masonry. IBC Deletion: Empirically designed masonry is no longer allowed in Risk Category IV buildings.	Approve
1705.10	Structural integrity of deep foundations. IBC Addition: When installed deep foundation elements appear to be understrength due to quality, location or alignment, an engineering assessment must now be done. <i>Modifications: Clarify the determination of structural integrity and enforceability.</i>	Approve as modified
1705.13.2 1705.13.3	Structural wood and Cold-formed steel light-frame construction. OR A Adds adding "equal to or." *BCD and SEAO recommends rescinding and aligning with model code.	Rescind
1705.13.5	Architectural components. OR A Changes 5 to 15 psf in item no. 2 of the exception. OR A New amendments: Recommend aligning with model code for Item 2 and instead capturing the previous SEAO amendment proposal intent (no special inspection for exterior nonbearing wall assemblies weighing 15 psf or less) under Item 3.	Rescind Approve
1705.13.7	Special inspection of storage racks. IBC Addition: Steel storage rack special inspection duties have been clarified with the addition of special inspection tasks.	Approve
1705.14.2	Nonstructural components. OR A Clarifies the reporting requirements submitted to the building official.	Retain
1705.14.3	Designated seismic systems. OR A Clarifies applicability of enforcement to Risk Category III and IV structures and provides flexibility regarding compliance.	Retain
1705.16	Mastic and intumescent fire-resistant coatings. IBC Modification: Clarifies that these special inspections and tests shall be performed during construction, and that additional visual inspection is required after rough installation and where applicable, prior to concealing electrical, sprinkler, mechanical, and plumbing systems.	Approve
1705.18	Firestop inspections in Group R. IBC Modification: The installation of firestops, fire-resistant joint systems and perimeter fire barrier systems in residential-use buildings now requires special inspection in those Group R fire areas having an occupant load exceeding 250.	Approve
1705.21	Radon mitigation inspections. OR A Adds a section addressing radon mitigation inspections	Retain
1705.5.3	Mass timber special inspection. IBC Addition: Special inspection requirements have been added to address the anchorage and connection of mass timber structural elements. (Also 1705.20)	Approve
1709.5	Window and door assemblies. IBC Modification: Testing standards and analysis procedures have been clarified for exterior door and window assemblies, including garage door assemblies.	Approve
1709.5.3	Impact protection.	

Section	Topic / Summary of change	Outcome
	IBC Addition: Required windborne debris protection for glazing has been clarified through the Addition: of a design standard and a definition of impact protective systems.	Disapprove
	OR A New amendment: Delete 1709.5.3 and 1709.5.3.1 as they do not apply in Oregon.	Approve
CHAPTER 18	SOILS AND FOUNDATIONS	
1803.3.2	Site-specific seismic hazard investigation. OR A Sites for structures and facilities defined by ORS 455.447 as major structures or Risk Category III or IV building and other structures on a site-specific basis for vulnerability to seismic-induced geologic hazards and reported.	Retain
1803.3.2.1	Design earthquake. OR A Specifies the types of earthquakes required to be evaluated for in the investigation.	Retain
1803.6.1	Site-specific seismic hazard report. OR A Provides provisions for the site-specific seismic hazard report.	Retain
1803.6.1.1	Site-specific seismic hazard report review. OR A Provides provisions for the report review.	Retain
1804.8	Under-floor drainage. OR A Adds provisions for ground slope for drainage.	Retain
1808.8.5.1	Grounding of foundation reinforcement. OR A Adds requirement for grounding electrode system.	Retain
1809.5.1	Frost protection at required exits. IBC Addition: Frost protection for egress doors has been added to the foundation requirements. <i>Modify by limiting the requirements to sites above 4,000 feet in elevation and removing the provisions about unobstructed openings.</i>	Approve as modified
1810.3.11	Pile caps. IBC Modification: Pile cap requirements have been updated to align with the 2019 ACI 318.	Approve
1810.3.3.1.9	Helical piles. IBC Clarification: Calculation of the allowable axial design load, P_a , has been clarified.	Approve
1810.3.5.3.1	Structural steel H-piles. IBC Modification: The design and detailing of H-piles must now conform with AISC 341 requirements for a structure assigned to Seismic Design Category D, E or F.	Approve
1810.3.6	Deep foundation element splicing. IBC Modification: Deep foundation element splices for buildings in Seismic Design Category A and B regions designed by general engineering practices do not have to meet the 50 percent tension and bending capacity requirements.	Approve
1810.3.8	Precast concrete piles. IBC Modification: Precast concrete piles are now to be designed in accordance with ACI 318 rather than IBC provisions.	Approve
1810.4.5	Vibratory drivers. IBC Modification: Where vibratory drivers are used to install piles, load tests are no longer required when pile installation is completed with an impact hammer or when a pile is only used for lateral resistance.	Approve
T. 1810.3.2.6	Allowable stresses in deep foundations. IBC Modification: The maximum allowable stress for materials in deep foundation elements has been updated to be consistent with the capacity of materials used today.	Approve
1811	Radon control methods-Public buildings. OR A Adds section addressing radon control methods in public buildings.	Retain
1812	Radon control methods-Group R-2 and R-3 Occupancies OR A Adds section addressing radon control methods in Group R-2 and R-3 occupancies.	Retain
CHAPTER 9	CONCRETE	
1901.2	Concrete design and construction IBC Modification: ACI 318 has been updated to the 2019 edition and includes changes addressing deep foundations, materials and seismic design.	Approve
1901.7	Structural concrete tolerances. IBC Addition: American Concrete Institute standards ACI 117 and ITG-7 have been added to the IBC by reference to provide acceptable tolerances for concrete construction.	Approve
1905.1.1	ACI 318, 2.3. OR A Adds a note to the definition of detailed plain concrete structural wall pointing to ASCE 7, Section 14.2.2.7.	Retain
CHAPTER 20	ALUMINUM	
	No changes were made to Chapter 20.	
CHAPTER 21	MASONRY	

Section	Topic / Summary of change	Outcome
2101.2	Design methods. OR A Add "Design loads shall be determined in accordance with Chapter 16."	Retain
2101.3	Special inspection. OR A Deletes testing and inspection program language.	Retain
2103.2.4	Mortar for adhered masonry veneer. PP OSSC 22-13: Modifies the requirements for the cementitious bond coat mortar for adhered masonry veneer wall assemblies. It is intended to increase the shear bond capacity and improve wall safety and performance.	Approve
2104.1.3	TMS 602/ACI 530.1/ASCE 6, Article 3.2F, Cleanouts. OR A Adds amendments to TMS 602/ACI 530.1/ASCE 6, Article 3.2F.	Retain
2107.2.1	Lap splices. OR A Adds a maximum length of 72db	Retain
2109.2.4.8	Exterior finish of adobe masonry. IBC Addition: The use of plaster as an exterior finish for adobe construction has been clarified, with cement-lime, lime and clay plaster minimum requirements now addressed.	Approve
CHAPTER 22	STEEL	
2205.2.1	AISC 358 for prequalified connections. IBC Modification: Beam-column moment connections in Seismic Design Category B and C buildings are now required to be prequalified where the response Modification: coefficient exception is not applied.	Approve
2209	Steel storage racks. IBC Modification: Requirements for steel storage racks and their anchorage qualification continue to be clarified.	Approve
CHAPTER 23	WOOD	
2303.2	Fire-retardant-treated wood. IBC Modification: ASTM E84 has been updated to include requirements only addressed in the IBC.	Approve
2303.4.1.2	Wood truss bracing. IBC Addition: Specific requirements have been added to address wood truss member diagonal bracing and restraint.	Approve
2304.10.1	Mass timber connection protection. IBC Addition: In Type IV-A, IV-B and IV-C construction, both a testing option for connections that are part of a fire-resistance-rated assembly and a calculation option for connections that are required to be protected for the fire-resistance rating time of the connected elements have been provided.	Approve
2304.11	Concealed spaces in Type IV-HT. IBC Modification: Concealed spaces are now permitted in floors and roof decks for Type IV-HT.	Approve
T. 2304.10.2	Sheathing fasteners. IBC Modification: Additional fastener options have been added to the sheathing fastening schedule and nail patterns have been updated to current industry standards and the new ASCE 7 wind loads.	Approve
2305	Lateral force-resisting systems. IBC Modification: The 2021 edition of the SDPWS, which includes shear wall and diaphragm design provisions for cross-laminated timber, is now referenced in the IBC.	Approve
2308.5.6, 2308.6.6.2	Cripple walls. IBC Modification: Cripple wall requirements have been clarified to emphasize that, if only interior wood-framed cripple walls exist in a design, no sheathing or solid blocking is required.	Approve
T. 2308.7.3.1	Rafter tie connections. IBC Modification: Rafter tie connection requirements are updated to reflect current standards.	Approve
CHAPTER 25	GYPSUM BOARD, GYPSUM PANEL PRODUCTS AND PLASTER	
2510.6	Water-resistive barriers for stucco. IBC Modification: Water-resistive barrier requirements for stucco have been divided into two categories based on whether the building is in a dry or moist climate.	Approve
CHAPTER 27	ELECTRICAL	
2702.3	Critical circuits. OR A Installation and protection for required critical circuits shall be in accordance with the Electrical Code and critical circuits shall provide a fire-resistance rating of not less than one hour.	Retain
CHAPTER 28	MECHANICAL SYSTEMS	
2802	Fuel oil storage systems	

Section	Topic / Summary of change	Outcome
	OR A Integrates new construction fire provisions. Approve moving applicable mechanical provisions to the Mechanical Code;	Approve
CHAPTER 29 PLUMBING SYSTEMS		
2901.1	Scope. OR A Add scope for location, availability, signage and minimum number of plumbing fixtures in a facility.	Retain
2901.2	Authorization. OR A Adds section explaining building official's ability to modify a Chapter 29 provision. BCD recommends rescinding this amendment as it is not necessary and duplicative to Chapter 1.	Rescind
2902.1	Minimum number of fixtures. OR A Adds "and shall reflect the use of the space being served by the fixtures."	Retain
T. 2902.1	Minimum number of required plumbing fixtures (See Sections 2902.1.1 and 2902.2) OR A Mixture of existing and new amendments. PP OSSC 22-14: Adds footnotes to Table to allow a reduction in the number of plumbing fixtures in apartment buildings that are for spaces outside of the dwelling units.	Retain/Approve Approve
2902.1.1	Fixture calculations. IBC Modification: Multiple clarifications and modifications have been made to the regulation of plumbing facilities to address significant issues of gender and equality of access.	Approve
2902.2	Separate facilities. IBC Modification: Adds an exception to sex designation where single-user toilet rooms are provided. Modification: Adds an exception where rooms with water closets and lavatory designed for use by both sexes and privacy for water closets, and additional requirement for urinals to be visually separate or located in a stall. OR A Modifies the exception for structures or tenant spaces to apply where the occupant load, including employees and customers, is 30 or fewer, rather than 15 or fewer, and to allow one single-user toilet room. Modifies the exception for business occupancies to apply where the occupant load, including employees and customers, is 50 or fewer, rather than 20 or fewer, and to allow one single-user toilet room. Adds an exception where the operational needs of a facility necessitate other approved configurations.	Approve Retain
2902.3	Employee and public toilet facilities. OR A New amendments: Adds non-customarily occupied structures with public access, where approved by the building official, to the exemptions for where public toilet facilities are required.	Approve
2902.3.3	Location of toilet facilities in other than mall occupancies. IBC Modification: The location and distance limits imposed for travel to required employee toilet facilities are no longer applicable to Group S storage occupancies where approved by the building official. OR A Adds exception for Group B (other than restaurants and dining...), F, H, M and S occupancies to have facilities located in an adjacent facility on the same property where the path of travel to such facilities is an accessible route and does not exceed a distance of 300 feet.	Approve Approve
2902.4	Signage. OR A Clarifies application "where separate facilities are required" unless otherwise approved.	Retain
2902.5	Drinking fountain location. OR A Deletes section	Retain
CHAPTER 30 ELEVATORS AND CONVEYING SYSTEMS		
All	Elevators and conveying systems. OR A Aligns provisions with Oregon Electrical Specialty Code.	Retain
CHAPTER 31 SPECIAL CONSTRUCTION		
3109	Swimming pools, spas and hot tubs OR A Existing and new amendments: Alignment with statutory authority.	Approve
3111	Solar energy systems. OR A Adds exception for the sections where detached one- or two-family dwellings or townhouses classified as a Group R-3 or Group U occupancies are permitted to comply with the applicable provisions of the ORSC for the installation of photovoltaic systems. New amendments: Moves the exception from the charging section to each section that the exception applies. See sections: 3111.1.1, 3111.1.2, 3111.3.2, 3111.3.3, 3111.3.4.2, and 3111.3.4.6.	Approve
3111.1.1	Wind resistance. OR A Adds an option to determine wind loads with wind tunnel tests in accordance with ASCE 7. Note: SEAO recommends to retain.	Retain
3111.3	Photovoltaic solar energy systems. OR A Adds requirements for equipment, fire classification. Building-integrated photovoltaic systems, and location.	Retain Approve
3111.3.5.3	Prescriptive installations.	

Section	Topic / Summary of change	Outcome
	<p>OR A Adds a prescriptive installation path.</p> <p>PP OSSC 22-16: The proposal clarifies roof framing requirements to qualify for prescriptive solar installations.</p> <p>PP OSSC 22-17: Clarifies the requirements for roof framing to qualify for prescriptive solar installations to enable uniform and consistent understanding and implementation of the prescriptive requirements for solar installation in the OSSC.</p> <p>PP OSSC 22-18: Exception 2 appears to require solar attachments every 24" and has led to some confusion with plans examiners and inspectors. Most of this code section was copied directly from OSISC, and this particular exception seems to have been mis-copied. We propose to amend the language to match the OSISC language for standing seam metal roof attachments.</p>	Approve all
3111.4	<p>Solar-ready construction.</p> <p>OR A New amendments: Adds requirements for commercial solar-ready construction as required by EO 17-20.</p> <p>PP OSSC 22-15: Adds requirements for roof dead load for solar-ready construction.</p>	Approve as modified
3113	<p>Temporary special event structures.</p> <p>OR A Adds provisions for certain temporary special event structures.</p>	Retain
3114	<p>Intermodal shipping containers.</p> <p>IBC Addition: The use of intermodal shipping containers as buildings and structures is now recognized in the IBC, and criteria have been established to address the minimum safety requirements without duplicating existing code provisions.</p>	Approve
CHAPTER 32 ENCROACHMENTS INTO THE PUBLIC RIGHT-OF-WAY		
	The requirements of Chapter 32 are not adopted by the State of Oregon, Building Codes Division, as part of the state building code, consistent with the purpose and scope of application authorized in ORS 455.020. Municipalities may have authority outside of the state building code to regulate encroachments into the public right-of-way, where not preempted.	Reviewed
CHAPTER 33 SAFEGUARD DURING CONSTRUCTION		
	<ul style="list-style-type: none"> • 3301 – Text box for occupied and existing structures under state law related to building inspection programs • 3303 – Not adopted • 3306 – Protection of pedestrians: Municipalities may have authority outside of the state building code to regulate protection of pedestrians where not preempted. • 3307 – Protection of adjoining property: Not adopted / Municipalities may have authority outside of the state building code to regulate protection of adjoining property where not preempted. • 3308 – Temporary use of streets, alleys and public property: Not adopted / Municipalities may have authority outside of the state building code to regulate protection of adjoining property where not preempted. • 3309 – Fire extinguishers: Not adopted / No authority. • 3311 – Standpipes: Only the installation and construction standards for standpipe hose connections are adopted • 3313 – Water supply for fire protection: Not adopted • 3314 – Fire watch during construction: Not adopted 	Approve
CHAPTER 34 EXISTING BUILDINGS (IEBC)		
3401 / Ch. 1	<p>General.</p> <p>OR A Adds existing building specific administrative provisions</p>	Approve
3402 / Ch. 2	<p>Definitions.</p> <p>OR A All definitions are moved to Chapter 2 of the OSSC</p>	Approve
3403 / Ch. 3	<p>Provisions for all compliance methods.</p> <p>OR A Specifies that relocated buildings shall comply with ORS 455.410. Adds smoke alarm, fire alarm, and carbon monoxide detection provisions from IFC.</p>	Approve
3404 / Ch. 4	<p>Repairs.</p> <p>OR A Editorial alignments</p>	Approve
3404.1.2	<p>Compliance.</p> <p>PP OSSC 22-19: Clarifies the structural requirements for repair of existing building damaged by fire, wind, earthquake or other similar natural events.</p> <p>PP OSSC 22-20: Clarifies the structural requirements for repair of existing building damaged by fire, wind, earthquake or other similar natural events.</p> <p><i>Modified with the division proposed amendments that align with the public proposals.</i></p>	Approve as modified
3404.1.2	<p>Repair and reconstruction standards.</p> <p><i>The board will be discussing this matrix item separately.</i></p>	No outcome
3404.5.2.1	<p>Repairs for less than substantial structural damage.</p> <p>PP OSSC 22-21: Clarifies repairs for less than substantial structural damage.</p> <p><i>Modify by specifying conditions that meet the threshold to require being built to new construction provisions.</i></p>	Approve as modified

Section	Topic / Summary of change	Outcome
3405 / Ch. 5	Prescriptive compliance method. OR A Editorial alignments	Approve
3406 / Ch. 6	Classification of work. OR A Editorial alignments	Approve
3407 / Ch. 7	Alterations—Level 1 OR A Editorial alignments	Approve
3408 / Ch. 8	Alterations—Level 2 OR A Editorial alignments	Approve
3409 / Ch. 9	Alterations—Level 3 OR A Editorial alignments	Approve
3410 / Ch. 10	Change of occupancy. OR A Editorial alignments	Approve
3411 / Ch. 11	Additions. OR A Editorial alignments	Approve
3412 / Ch. 12	Historic buildings. OR A Editorial alignments	Approve
3413 / Ch. 13	Performance compliance methods. OR A Editorial alignments	Approve
3414 / Ch. 14	Relocated or moved buildings. OR A Deletes section and directs to Section 3403.1.4.	Approve
3415 / Ch. 15	Construction safeguards. OR A Deletes section and directs to Chapter 33.	Approve

Other

The committee reviewed the [letter from SEAO](https://youtu.be/muVnfAVgwpA?t=121) proposing the adoption of IEBC Sections 503.5 to 503.11, 706.3.1 and 906.2 to 906.7.
<https://youtu.be/muVnfAVgwpA?t=121>

APPENDICES

App-A	Employee qualifications.	Outside of statutory authority of state building code	Retain
App-B	Board of appeals.	Not adopted and preempted by the state building code	Retain
App-C	Group U—Agricultural buildings.	Adopted and amended to align with ORS	Retain
App-D	Fire districts.	Outside of statutory authority of state building code	Retain
App-E	Supplementary accessibility requirements.	Not adopted and preempted by the state building code	Retain
App-F	Rodentproofing.	Not adopted but available for municipal adoption	Retain
App-G	Flood-resistant construction.	Outside of statutory authority of state building code	Retain
App-H	Signs.	Not adopted, but available for municipal adoption	Retain
App-I	Patio covers.	Adopted	Retain
App-J	Grading.	Outside of statutory authority of state building code	Retain
App-K	Administrative provisions.	Not adopted and preempted by the state building code	Retain
App-L	Earthquake recording instrumentation.	Not adopted and preempted by the state building code	Retain
App-M	Tsunami-generated flood hazards.	Not adopted and preempted by the state building code	Retain
App-N	Replicable buildings.	Not adopted and preempted by the state building code	Retain
App-O	Performance-based application.	New appendix providing compliance options	Approve

STATEWIDE ALTERNATE METHODS

SAM 17-01	2010 ADA standards: Baseline for Alternate Methods/Equivalent Facilitation/Alterations	
SAM 15-01	Cross-laminated timber Seismic force-resisting systems	
SAM 07-01	Child care in Group M occupancies	

State of Oregon

Board memo

Building Codes Division

Feb. 2, 2022

To: Building Codes Structures Board

From: Mark Heizer, Chief, Mechanical/Energy Programs, Policy and Technical Services

Subject: Ventilation of Dwelling Units

Action requested:

Board review and approval of a workgroup to discuss and make recommendations regarding the Broan Nutone proposal OSSC 22-04 for the 2022 OSSC.

Background:

The Oregon Structural Specialty Code (“OSSC”) and Oregon Mechanical Specialty Code (“OMSC”) have always contained both natural ventilation and mechanical ventilation code pathways for all building occupancy types. This includes R-2 apartments under the authority of the Building Codes Structures Board (“BCSB”) and the OSSC, as well as the Residential and Manufactured Structures Board (“RMSB”) for apartment buildings three stories or fewer with an exterior door for each dwelling unit. Decisions on ventilation can require approval from BCSB, RMSB and the Mechanical Board for the OMSC.

The OSSC is the code location for natural ventilation requirements. Once mechanical ventilation is selected as the compliance path under the OSSC, then the OMSC sets the requirements in Section 403. The OSSC does not allow natural ventilation for dwelling units when the dwelling unit performs a blower door pressure test and the result is less than 5 air changes per hour. Natural ventilation is still available from prior code adoptions.

Oregon codes do not prohibit the use of the natural ventilation path. The Broan Nutone Proposal 22-04 is recommending that the board review and approve prohibition of natural ventilation, but only for dwelling units. All other building types can still use natural ventilation paths. This change would also impact the RMSB and Mechanical board; each would need to approve the change and have an aligned, consistent application for both ventilation and energy.

The division and its boards continue to take ventilation for dwelling units seriously. Work of the Indoor Air Pollution Task Force and the Construction Claims Task Force have addressed code revisions unique to Oregon that have exceeded national model code. This proposed change will require a significant update to ventilation systems without consideration of Oregon’s current standards, resulting in significant cost increases without studied benefit. It also raises several questions worth further inquiry, including individual control of air flow and energy use. If the full proposal and revisions to the OMSC are accepted, the code revisions will also increase

ventilation required for dwelling units by up to 40%, increasing energy use and first cost of equipment. Staff has performed initial energy analysis using the US Department of Energy's national prototype energy model for ASHRAE 90.1-2019. Energy cost savings, when applying 90.1-2019, will not offset the increased first-costs, and maintenance alone can equal or exceed energy savings.

The division requests board approval to create a workgroup to discuss and make recommendations regarding the committee ventilation code revisions for dwelling units. The division would also like the board include in its decision the method by which workgroup members should be appointed.

Options:

- Approve the request that the division appoint a workgroup to discuss and make recommendations regarding the Broan Nutone ventilation proposal for dwelling units only.
- Approve the request that the board chair appoint a workgroup to discuss and make recommendations regarding the Broan Nutone ventilation proposal for dwelling units only.
- Disapprove the request to create a workgroup to discuss and make recommendations regarding the Broan Nutone ventilation proposal for dwelling units only.

State of Oregon

Board memo

Building Codes Division

Feb. 2, 2022

To: Building Code Structures Board

From: Tony Rocco, Chief, Structural Program, Policy and Technical Services

Subject: Repair and Reconstruction Standards

Action requested:

Board review, discuss and make recommendations regarding the 2022 Oregon Structural Specialty Code (OSSC) Review Committee-recommended changes to repair and reconstruction standards under the 2022 OSSC, and approval of a workgroup as necessary.

Background:

Historically, building owners have been permitted to correct damage and reconstruct/repair their building to the exact previously existing condition without “upgrading” the building to new construction standards during the reconstruction/repair activity. This is permitted even where the building was nearly destroyed by damage which occurred outside the owner’s control.

During the 2022 OSSC Review Committee meeting, the committee discussed requiring a higher level of compliance when a certain damage threshold was met (i.e., greater than 50% of the building value prior to damage occurring). Both market value and assessed value, prior to the damage occurring, were considered by the committee. The committee’s recommendation was to require the reconstruction or repair of damage to meet requirements specified for voluntary alterations if the damage exceeded 50% of the assessed value of the building, prior to the damage occurrence.

Adoption of this recommendation would be a significant shift in the longstanding damage repair path of the OSSC. It would potentially affect all existing building owners, and may have significant fiscal impacts depending on the code language adopted and site-specific damage to regulated buildings.

The division requests board discussion and consideration of the committee recommendation, the existing repair path, and the possibility of a workgroup being needed to evaluate and make recommendations regarding the committee revisions recommended for repair and reconstruction of damaged buildings. The division would also like the board to include in its decision the method by which workgroup members should be appointed, where the board finds a workgroup is needed.

Options:

- Disapprove the committee's recommendation regarding repair and reconstruction thresholds, which would continue the longstanding statewide approach under the 2019 OSSC language, and do not recommend a workgroup to further discuss the matter.
- Disapprove the committee's recommendation regarding repair and reconstruction thresholds, which would continue the longstanding statewide approach under the 2019 OSSC language, and recommend a workgroup to further discuss the matter.
- Approve the committee's recommendation regarding repair and reconstruction thresholds, and create a new subsection in the 2022 OSSC without recommending a workgroup to further discuss the matter.