



State of Idaho
Division of Occupational and Professional Licenses
Idaho Building Code Board

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Minutes of 04/04/2023

Division Michael Hyde, Executive Officer
Staff: Renee Bryant, Board Support Supervisor
Mariah Ellett, Board Support Specialist

The meeting commenced at 9:00 AM (MT).

Zero-Based Regulations (ZBR) 24.39.30

Executive Officer Michael Hyde explained this is a listening session to discuss and gather comments and feedback on the proposed changes to IDAPA 24.39.30 Rules of Building Safety.

Mr. Hyde conducted an overview of the following sections of the rule chapter:

- 000. Legal Authority - General sections of rule chapters identifying legal authority to promulgate rules.
- 001. Scope - This section identifies the scope of this IDAPA rule chapter.
- 004. Adoption and Incorporation by Reference - This section identifies codes that are made pertinent to Idaho.
- 004.01.a.i. International Building Code (IBC) - Charlie Allen, city of Ammon Building Official, stated he is in support of what is written in this section.
- 004.01.a. ii. - Mr. Allen stated he is in support of the changes to this section.
- 004.01.a.iii. - No comments.

Mr. Allen stated there is nothing that has been modified in sections 004.01.a.i - 004.01.a.v. that would be contrary to how the current code reads and he supports all these sections as written.

- 004.01.a.vi. - Mr. Allen stated this section looks good to him.
- 004.01.a.vii - No comments.
- 004.01.a.viii - Board Member Justin Goodwin stated he has experienced problems with the health department requiring service/mop sinks in all occupancies. Mr. Allen added that this appears to be an isolated problem with the health department in Mr. Goodwin's area. He stated the removal of the minimum number of plumbing fixtures required for entities with an occupant load of thirty (30) or fewer is a cost savings to businesses. Jason Blais, city of Boise Building Official, agreed.
- 004.01.a.ix - Mr. Allen and Mr. Blais support this section as written.

- 004.01.a.x. - This section addresses manufactured buildings in relation to the Rules for Factory Built Structures. Mr. Blais asked if a direct link to IDAPA should be included here because a chapter was added to the IBC. Mr. Hyde stated he will investigate.
- 004.01.b - Provisions of the 2021 Edition pertaining to mass timber construction. Mr. Blais stated the subsections of b were added due to a statute request from the legislature to add in all the 2021 mass timber sections, so they are a part of the 2018 code. Mr. Allen stated this is a positive amendment to this section.

Mr. Hyde stated this concludes the amendments out of the IBC for both 2018 and 2021. He asked if any other parts of the IBC need to be captured. Mr. Allen asked for a timeframe to provide feedback. Mr. Hyde stated the ZBR process with formal and informal meetings will continue through mid-August. Mr. Allen suggested a helpful publication titled, *Significant Changes to the 2021 Code*. Mr. Goodwin stated he would like the Board to look at the live work section, specifically sprinkling systems. Mr. Hyde stated he would investigate and provide a report based on these comments.

- 004.02. International Residential Code (IRC) 2018 Edition with the following amendments:
- 004.02.a - Mr. Allen stated the Board spent time ensuring this section correlated to the amendments made in the IBC and it looks good.
- 004.02.b - Deleted Section R104.10.1 Flood hazard areas. Bobbi Kaufman, Building & Planning Department, Clearwater County, asked whether this section was deleted because it is already covered by local ordinances. Mr. Hyde responded this section was deleted at the request of the Department of Water Resources because enforcement depends on the local jurisdiction.
- 004.02.c - Work exempt from permit - prefabricated swimming pools not greater than four (4) feet. No comments.
- 004.02.d - Work exempt from permit - flag poles. No comments.
- 004.02.e - Delete Section R109.1.3 amendment to flood plain inspections. No comments.
- 004.02.f - Delete Section R301.2.1.2 Protection of Openings. No comments.
- 004.02.g - Delete Table R302.1(1) and replace it with an updated Exterior Wall Table.
- 004.02.h - Delete Section R302.13 Fire Protection of Floors. Mr. Allen stated this is a favorable change that saves homeowners and builders money.
- 004.02.i - Delete and replace Section R303.4. No comments.
- 004.02.j - Deleted the exceptions under Section R313.1 Townhouse fire sprinkler systems. No comments.
- 004.02.k - Delete Section R313.2 One- and two-family dwellings fire sprinkler systems. Mr. Goodwin stated he is in favor of this section; however, it is necessary to look at the drywall separation between the garage and the house and add something other than 1/2-inch drywall. Board Member Jon Laux stated the code does not recognize what is on the inside of the house with regard to creating the separation. Discussion ensued whether the goal is to achieve a one-hour wall or a forty (40) minute wall. It was decided that consistency is most important. Bret Stoddard, city of Rexburg Building Official, stated it is preferable to state the type of drywall that is required rather than the rating of the duration in the IBC.

- 004.02.l - Delete and replace the exceptions under Section R314.2.2 Alterations, repairs, and additions. No comments.
- 004.02.m - Delete and replace the exceptions under R315.2.2 Alterations, repairs, and additions.

Mr. Allen stated the last two sections reduce costs for homeowners and builders. Mr. Blais stated electrical was added to these sections.

- 004.02.n - Delete Section R332.1.10 As-built elevation documentation. No comments.
- 004.02.o - Delete and replace Section R322.2.1 Elevation requirements. No comments.
- 004.02.p - Delete subparagraph 2.1 of Section R322.2.2. No comments.
- 004.02.q - Delete Tables R403 Minimum Depth and Width of Crushed Stone Footings and add Table R403.1. Mr. Goodwin asked why this table was deleted. Mr. Allen answered it was deleted to clarify footing sizes that are supported by empirical data over the past twenty (20) years and to provide cost savings.
- 004.02.r - Add Table R403.1 - No comments.
- 004.02.s - Delete Section R403.1.1 and replace it with R403.1.1 Minimum size. No comments.
- 004.02.t - Delete Section R602.10 and replace it with R602.10 Wall bracing. No comments.

Mr. Hyde asked for comments or additional amendments to the IRC that should be considered. No comments.

- 004.03 International Existing Building Code, 2018 Edition. No comments.
- 004.04 International Energy Conservation Code, 2018 Edition with amendments.
- 004.04.a - Add Section C101.5.2 Industrial, electronic, and manufacturing equipment. No comments.
- 004.04.b - Section C402.5 Air Leakage. No comments.
- 004.04.c - Adding exception number seven (7) exempting economizers for commercial structures. Mr. Hyde asked for feedback on how feasible it is to enforce the terminology, "outside air filtration and treatment for the reduction and treatment of unusual outdoor contaminants." Jerica Stacey, Energy Code Specialist, International Code Council, stated the comma between the words *contaminants* and *makes* is unnecessary.
- 004.04.d - Amended the 2018 table C404.5.1 maximum piping volume and pipe lengths and replaced it with a new table. Mr. Blais commented several new schools had issues with this table as written in the 2018 Code, so it may have been revised to make it easier to build.
- 004.04.e - Delete the rows in Table R402.1.2 for climate zones 5 and Marine 4 and 6 and replace with a new table. A discussion ensued regarding Ceiling R value 38 vs. 49. Mr. Allen will provide Mr. Hyde with additional information. Jonathan Ruskell, Lemhi County Building Inspector, asked why the wood frame wall R value is 22 rather than 21 in zone 6. Mr. Allen responded that in eastern Idaho colder climates batt insulation is not allowed if there is no exterior insulation. Blown-in insulation is required. Mr. Ruskell stated those residing in the Salmon, Idaho area would like to see R21. Mr. Hyde responded this suggestion will be added to the Building Board's discussion topics.

- 004.04.f - Add footnote to the title of Table R402.1.2 - Insulation and Fenestration Requirements by Component. No comments.
- 004.04.g - Delete the rows in Table R402.1.4 with the equivalent u-factors table as shown. No comments.
- 004.04.h - Delete Section R402.4.1 and replace with R402.4.1 Building thermal envelope. No comments.
- 004.04.i - Delete Section R402.4.1.1 and replace with the following: the installation of the building's thermal envelope. No comments.
- 004.04.j - Delete Section R402.4.1.2 and replace with the following related to testing. Mr. Allen would like to discuss the requirement of five (5) air changes per hour.
- 004.04.k - Visual Inspections - No comments.
- 004.04.l - Residential log home thermal envelope. No comments.
- 004.04.m - Log home prescriptive thermal envelope table R402.6. No comments.
- 004.04.n - Delete Section R403.3.1 and replace with R403.3.1 Duct insulation requirements. Supply and return ducts in an attic space. Mr. Allen stated this section was amended due to duct supply shortages and should now go back to how it was originally written since there is no longer a supply shortage. Mr. Blais stated R-6 for the crawl space and other sections that are not conditioned should be added to this section.
- 004.04.o - Delete Sections R403.3.6 and R403.3.7 for ducts buried in the attic.
- 004.04.p - Delete Section R403.5.3 and replace with R403.5.3 Hot water pipe insulation. Mr. Allen suggested this section should be investigated further and compared to the current code.
- 004.04.q - Delete Section R404.1 and replace it with reducing the lighting requirement to seventy percent. Mr. Allen and Mr. Goodwin stated this section is already outdated so is no longer needed.
- 004.04.r - Delete Section R406.3 and replace with the Energy Rating Index (ERI). Mr. Allen commented that it would be helpful to know what current ERI scores are coming in and what is achievable.
- 004.04.s - Delete Table R406.4 and replace with the new table. Same comment from Mr. Allen as in section r. Ms. Stacey stated the ventilation equation has been removed from this section. Mr. Allen stated the ERI scores should be reviewed as they seem high. Mr. Blais stated the Board has been heavily advised on this subject by Dave Freelove, Energy Code

Circuit Rider, and Jerry Peterson, Energy Specialist. Mr. Hyde stated Mr. Freelove and Mr. Peterson will be involved in future conversations and may have new data to present to the Board regarding this subject. Jason Vandever, Director of Technical Services, North American Insulation Manufacturers Association, stated the numbers are high, 62 is the average in Idaho. Mr. Hyde asked Mr. Vandever to provide data to support his comment.

Mr. Hyde opened conversation regarding barriers or cost reductions that still meet the energy efficiency requirements, enforcement of the code and setting minimum energy codes that are easy to follow and enforce.

Mr. Goodwin stated he does not believe cities are having a problem with enforcement of the energy code but rather issues arise with counties or jurisdictions that use contract, county, and state inspectors. In those areas, it is unclear who is responsible for inspections.

004.05. - References to Other Codes - No comments.

005.026. Definitions - Mr. Hyde ran through the definitions. Mr. Stoddard stated he is good with the definitions as written.

005.027. Permits - Permits issued within the state jurisdiction for state owned buildings. No comments.

005.028. Plan Review - Plan review guidelines the state follows. No comments.

005.029. Fees - This is a schedule of fees the state follows. No comments.

005.030. Right of Entry - State guidelines regarding right of entry for inspections. No comments.

005.031. Work Proceeding Without Permit or Approval - No comments.

005.032. - Stop Work Orders - An unidentified speaker stated sections 030, 031 and 032 appear to be duplicative of Chapter One of the IBC and IRC.

005.038. Integrated Design and Fundamental Commissioning of Public School Facilities - Mr. Allen stated this section is important and he supports the language about the commissioning.

Mr. Hyde expressed appreciation to those in attendance for providing comments. The next regularly scheduled Board meeting is April 11, 2023.