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# Denver City Council

## Land Use, Transportation & Infrastructure Committee

### Denver Building and Fire Code proposed amendments (errata)

June 15, 2021

# Agenda

- International Fire Code (IFC)
- International Building Code (IBC) / International Existing Building Code (IEBC)
- International Mechanical Code (IMC)
- International Residential Code (IRC)
- International Energy Conservation Code (IECC)
- International Residential Code (IRC) - Energy
- Denver Green Code (DGC)

# International Fire Code (IFC)

- **Section N103.2 & N103.4:** Edited to allow more projects to be processed as walk-through permits for sprinkler and fire alarm work.
- **Section 907.2.3 Exception 4:** Removed section to coordinate with IBC. Deleted exception already covered in exception #3 of base code.
- **Section 907.1.6:** Exempts DFD radio boxes from transmitting contact or point ID because such hardware has been in service for many years and does not have such capability.

# International Fire Code (IFC)

- **Section 905.2.1:** Updated max design pressure for standpipe systems at 350 psi.
- **Section 114.2.18:** Allows building engineers trained by the Servicing Contractor to conduct weekly/monthly churn test on fire pumps without being DFD licensed.
- **Section 317.3.1:** Keeps combustible vegetation, growing media, and mulch from immediately exposing building openings by requiring a 5' separation or protecting the opening with sprinklers.

# International Fire Code (IFC)

- **Section 319.4.1.1:** Allows agent shutoff valve in food truck extinguishing systems to prevent accidental activation while the vehicle is being operated.
- **Section 503.2.1:** Allows new bike lane elements in the required fire lane width to accommodate the City's new initiative.
- **Section 904.13 item #4:** Coordinates the fire code with the mechanical code provisions long used in the City and County of Denver by allowing a UL 300A hood suppression system in some Group B & R occupancy applications.

# International Building Code (IBC) and International Existing Building Code (IEBC)

- **IBC Section 310.4:** Clarified applicability of codes and language consistency.
- **IEBC Section 1011:** Allow use of lithium powered batteries in lieu of building power for smoke alarms in one-family dwellings being converted to a congregate residence for less than 10 occupants.

# International Mechanical Code (IMC)

- **Section 401.2:** Corrected a disconnect created with the IECC amendments, and clarified ventilation requirements in Denver.

# International Residential Code (IRC)

- **Section R101.2:** Clarifies that new one-family dwellings intended for use as short-term rentals may be designed and built without a fire sprinkler system.



# International Energy Conservation Code (IECC)

- **Section C401.2:** Extend the application of the commercial provisions of the IECC to Group R-2 occupancy, low-rise buildings.
- **Section C402.5.1.2:** Added requirements of verification report and preliminary commissioning report.
- **Section C408.3.2.3:** Added the preliminary commissioning report for the electrical functional testing.

# International Energy Conservation Code (IECC)

- **Section C408.2.4:** Added language to require the preliminary commissioning report to be submitted to the project inspector.
- **Section C401.2:** Modified language to clarify EV chargers are required for all paths.
- **Section C406.1.1:** Modified to have tenant spaces where the area of work is 10,000 square feet or more required to comply with two additional efficiency package options.

# International Energy Conservation Code (IECC)

- **Section C502.1:** Modified to have additions where the area of work is 10,000 square feet or more required to comply with two of the three additional efficiency requirements listed in Section C401.2.1.a.
- **Section C405.10 and R404.3:** Modified the EV requirements, including the electrical requirements, for EV Ready and EV Capable spaces.
- **Section C405.10 and R404.2:** Clarified the minimum quantity of EV spaces to be based on the total provided new and existing parking spaces for the building and to require that minimum of 70% of the required EV spaces are amongst the 50% of parking spaces closest to the intended occupant entrance.

# International Residential Code (IRC) - Energy

- **Section N1104.2:** Clarified the EV requirements to be required for new garages, carports, and parking spaces even when dwelling unit is existing. These sections were also modified to allow the use of 120V 15Amp or 20Amp for the required EV Ready space.

# Denver Green Code (DGC)

- **Section 101.4:** Code sections and tables are reorganized throughout to easily distinguish mandatory requirements from project elective requirements.
- **Section 701.4.2.9:** Exception #3 is added back into the code language. It was deleted in error in a previous printing.

# Denver Green Code (DGC)

- **701.4.3.4:** Coordination for economizer language in the IECC. With this edit, exception language is now consistent.
- **Section 1001.3.1.1.2:** Simplified language on field testing of acoustical performance.
- **Section 1001.3.3.2:** Edited for clarity. Owner-occupied residences generally do not include regular employees.



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# Thank you!

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