



DENVER
THE MILE HIGH CITY

2016 Denver Building and Fire Code Amendment #5 Package & 2018 I-Code Adoption Process

LUTI Committee

November 13, 2018

Community Planning and Development

Denver Fire Department

FOR CITY SERVICES VISIT DenverGov.org | CALL 311

- Agenda
 - Overview
 - Proposed Minor Amendments
 - 2018 I-Code Adoption Process

Role of the City in building safety & code compliance

- Community Planning & Development (CPD) and Denver Fire Department (DFD) review building permit submittals to determine compliance with adopted building and fire codes
 - These codes set a minimum level of life safety, building and energy requirements.
- Conduct inspections to ensure what is built matches approved plans
- DFD conducts annual inspections of commercial occupancies within Denver to ensure compliance with the Fire Code

2016 Denver Building & Fire Code

- Led a nearly two year public process to prepare the 2016 Denver Amendments
- City Council adopted the 2016 Denver Building and Fire Code on March 7, 2016
- Amendment Package 1 was adopted by City Council on April 25, 2016
- Amendment Package 2 was adopted by City Council on December 19, 2016
- Amendment Package 3 was adopted by City Council on May 7, 2018
- Amendment Package 4 was adopted by City Council on October 29, 2018

- DBC Chapter 1 – 123.5
 - This update aligns CCD requirements with the current state ratios for electricians. The ratio should not exceed three (3) apprentice trainees to one Journeyman or Master Electrician. This is the same ratio currently required for plumbing contractors.
- DBC Chapter 1 – 130.3.2 (& Adds Appendix A)
 - This change aligns our requirements for allowed exemptions from permitting electrical work with current state requirements.
- DBC Chapter 1 – 134
 - This allows an additional 60 day extension for temporary structures containing residential uses subject to certain requirements.

- IBC Chapter 4 – 403.5.1
 - This errata deletion removes misplaced means of egress provisions which properly now appear in Section 1005.3.1.
- IBC Chapter 24 – 2405.6 and IFC Chapter 9 - 910.3.4
 - Adds skylight fall protection requirements for Group M occupancies
- IBC Chapter Appendix T - Section 305 & 305.2.1
 - Harmonizes building code provisions for swimming pool barriers with the *Pool Rules and Regulations* adopted by DDPHE.
- IFC Chapter 1– Sections 104
 - Specifically Sections 104.3.2, 104.4.1, 104.6.2.1, 104.6.3.1, 104.7.2.1, 104.8.1, 104.9.3, 104.10.2, 104.11.1.1, 104.11.3.1, 104.11.4 errata edits.

- IFC Chapter 1– Sections 105
 - Specifically sections 105.1.7, 105.6, & 105.7 minor errata edits.
- IFC Chapter 1 – Section 109
 - Specifically sections 109.3.2.1, 109.3.2.2, 109.3.2.3, 109.3.2.4 & 109.4 minor errata edits.
- IRC Chapter 3 – Sections R313.1 & R313.2
 - Requires townhomes, single family homes and duplexes to provide sprinkler protection when a habitable attic is above the 3rd story above the grade plane.

- Mission Statement:
 - Create a Building and Fire Code that is specific and appropriate for the City and County of Denver.

- **Vision Statement:**
 - 1. Truly understand the purpose, strengths, and weaknesses of the current Denver Building Code Amendments (DBCA) through a collaborative public and private sector process. The process includes open discussion of proposals by all parties desiring to participate.
 - 2. Make the DBCA more user friendly and enforceable by way of eliminating unnecessary or outdated sections, jargon, and complexity.
 - 3. Only modify the 2018 I-Codes when there are physical, environmental, or customary characteristics that are specific to the City and County of Denver.
 - 4. Wherever appropriate/possible, convert policy to Code to simplify the user experience.

- Create a code amendment process every three years to remain current with latest codes and requires a less complex public process and a smaller learning curve for industry and staff.

- Codes Adopted 2016 DBCA
 - 2015 International Building Code (IBC)
 - 2015 International Existing Building Code (IEBC)
 - 2015 International Plumbing Code (IPC)
 - 2015 International Mechanical Code (IMC)
 - 2015 International Residential Code (IRC)
 - 2015 International Fuel Gas Code (IFGC)
 - 2015 International Fire Code (IFC)
 - 2015 International Energy Conservation Code (IECC)
 - 2017 National Electric Code (NEC)

- Currently have RFP in process to select a consultant to assist with the process.
- CPD, DFD & DDPHE will take a collaborative approach to foster a fair and appropriate code for Denver.
- The following public committees will be formed to look at changes and modifications to each of the appropriate codes:
 1. IBC & IEBC, 2. IRC, 3. IECC, 4. IMC, IPC, & IFGC,
 - 5 IFC, & 6. IGCC (Stretch Code Only)

- **Building Code Revision Committee Participants**
 - American Institute of Architects (AIA)
 - Board of Appeals
 - Apartment Association
 - Building Owners and Managers Association (BOMA)
 - Associated General Contractors
 - Commercial Real Estate Development Association (NAIOP)
 - Commission for People with Disabilities
 - Home Builders Association (HBA)
 - CO Building and Construction Trades Council (request made)
 - Structural Engineers Association of Colorado
 - Mechanical Engineers Representative
 - Fire Prevention Division
 - Building Official
 - Denver Office of Sustainability

2015 Process Other Potential Participants

- Fire Code Revision Committee
 - AIA
 - Denver Public Schools (DPS)
 - Denver Water
 - Commission for People with Disabilities
 - BOMA
 - FM Global
 - Rocky Mountain Automatic Fire Alarm Association (RMAFAA)
 - Engineering representative (Advanced Consulting Engineers)
 - Building Department representative
 - National Fire Sprinkler Association (NFSA)
 - Colorado Fire Protection Association (CFPA)
 - DFD staff

- Engage consultant December 2018
- CPD, DFD, & DDPHE teams review current codes and amendments and make proposed changes Nov-Feb 2019
- Public Committee Meetings (5 projected) to occur between March - May 2019
- Finalize proposal and present to LUTI in June - July 2019
- Council reviews and adopts new Denver Code Amendment August –September 2019