



DENVER AMENDMENT PROPOSAL FORM FOR PROPOSALS TO THE 2019 DENVER BUILDING CODE AMENDMENTS AND THE 2021 INTERNATIONAL CODES

DENVER
THE MILE HIGH CITY

2021 CODE DEVELOPMENT CYCLE

1) Name: **Robby Schwarz** Date: **11/21/2021**
 Email: robby@btankinc.com Representing (organization or self): **Denver**

2) One proposal per this document is to be provided with clear and concise information.

Is a separate graphic file provided ("X" to answer): Yes or No

3) Highlight the code and acronym that applies to the proposal

<u>Acronym</u>	<u>Code Name</u>	<u>Acronym</u>	<u>Code Name</u>
DBC-AP	Denver Building Code–Administrative Provisions	IPC	International Plumbing Code
IBC	International Building Code	IRC	International Residential Code
IECC	International Energy Conservation Code	IFGC	International Fuel Gas Code
IEBC	International Existing Building Code	IMC	International Mechanical Code
IFC	International Fire Code	DGC	Denver Green Code

AMENDMENT PROPOSAL

Please provide all the following items in your amendment proposal.

Code Sections/Tables/Figures Proposed for Revision:
Instructions: If the proposal is for a new section, indicate (new), otherwise enter applicable code section.

SECTION N1109/R501 GENERAL
 SECTION N1110/R502 ADDITIONS
 SECTION N1111/R503 ALTERATIONS

Proposal:
Instructions: Show the proposal using ~~strikeout~~, underline format.
Place an "X" next to the choice that best defines your proposal: Revision New Text Delete/Substitute Deletion

SECTION N1109/R501 GENERAL
Delete as follows:
N1109.4/R501.4 Compliance. *Alterations, repairs, additions* and changes of occupancy to, or relocation of, existing buildings and structures shall comply with the provisions for *alterations, repairs, additions* and changes of occupancy or relocation, respectively, in this code and the *International Residential Code, International Building Code, International Existing Building Code, International Fire Code, International Fuel Gas Code, International Mechanical Code, International Plumbing Code, International Property Maintenance Code, International Private Sewage Disposal Code* and NFPA 70.

SECTION N1110/R502 ADDITIONS
Add as follows:
N1110.2/R502.2 Change in Space Conditioning.
Exceptions:

4. Where complying in accordance with Section R406 and the Energy Rating Index of the *addition* and the existing *building*, and any *alterations* that are part of the project, is less than or equal to the Energy Rating Index of the existing *building the addition and any alterations* that are part of the project shall comply with Section R406 in its entirety.

N1110.3.1/R502.3.1 Building envelope. New *building* envelope assemblies that are part of the *addition* shall comply with Sections R402.1, R402.2, R402.3.1 through R402.3.5, and R402.4.

Exception: New envelope assemblies are exempt from the requirements of Section R402.4.1.2 The building official may require third party inspections to be performed in accordance with R402.4.1.1. *air leakage testing*.

SECTION N1111/R503 ALTERATIONS

Strick as follows:

N1111.1.4/R503.1.4 Lighting. New lighting systems that are part of the *alteration* shall comply with Section R404.1.

Exception: ~~Alterations that replace less than 10 percent of the luminaires in a space, provided that such alterations do not increase the installed interior lighting power.~~

Supporting Information (Required):

All proposals must include a written explanation and justification as to how they address physical, environmental, and/or customary characteristics that are specific to the City and County of Denver. The following questions must be answered for a proposal to be considered.

- Purpose: What does your proposal achieve?
- Reason: Why is your proposal necessary?
- Substantiation: Why is your proposal valid? (i.e. technical justification)

General SECTION R501

R501.4 Compliance – delete reference to codes the city of Denver does not adopt to clean up the code and not reference a section that is not available or used in the city.

SECTION R502 Additions

R502.2 Change in Space Conditioning. Exception # 4 allows the use of the Energy Rating Index to demonstrate compliance with an addition that changes space conditioning in the same way that Total Building performance is being used in Exception #3. This offers additional compliance options for projects. In addition, as the city is moving toward using an ERI score to be able to quantify its success in moving toward zero energy homes this metric will be needed more and more in the existing home arena. This is a small step in that direction.

R502.3.1 Building envelope – the exception without modification simply removes blower door testing as a means of compliance for additions. The proposed language clarifies that a blower door test is not required for additions **if proper third-party inspection occurs** to look at the requirements of the Air Barrier, Air Sealing, and Insulation Installation Table R402.4.1.1. It is not possible to perform a blower door test on just an addition that is connected to an existing building, however this does not negate requirements in Table R402.4.1.1 and that the addition is air tight.

SECTION R503 Alterations

R503.1.4 Lighting. The Lighting exception has been removed from this section of code as LED and other high efficacy lighting is the norm and not difficult to obtain when installing new lighting as part of an alternation. Lighting is also a low-cost energy improvement that is impactful. This increases the efficiency of the alteration at a low cost and helps with the city's efficiency goals.

Other Regulations Proposed to be Affected

***For proposals to delete content from the 2019 Denver Green Code in conjunction with adding it to other mandatory Denver codes and/or regulations, only.**

Please identify which other mandatory codes or regulations are suggested to be updated (if any) to accept relocated content.

Referenced Standards:

List any new referenced standards that are proposed to be referenced in the code.

Impact:

How will this proposal impact cost and restrictiveness of code? ("X" answer for each item below)

Cost of construction: ___ Increase ___ Decrease _x_ No Impact

Cost of design: ___ Increase ___ Decrease _x_ No Impact

Restrictiveness: _x_ Increase ___ Decrease ___ No Impact

Departmental Impact (City use only):

This amendment proposal increases/decreases/is neutral to the cost of plans review.

This amendment increases/decreases/is neutral to the cost of inspections.