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

2021 CODE DEVELOPMENT CYCLE

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   Email: robbys@btankinc.com  
   Date: 11/21/2021  
   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   _x__ No

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

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
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<tbody>
<tr>
<td>IBC</td>
<td>International Building Code</td>
<td>IRC</td>
<td>International Residential Code</td>
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<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
<td>IMC</td>
<td>International Mechanical Code</td>
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<tr>
<td>IFC</td>
<td>International Fire Code</td>
<td>DGC</td>
<td>Denver Green Code</td>
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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: _x_ Revision _x_ New Text x__ Delete/Substitute __ Deletion

SECTION N1109/R501 GENERAL
Delete as follows:

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 alteration. 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)

<table>
<thead>
<tr>
<th></th>
<th>Increase</th>
<th>Decrease</th>
<th>No Impact</th>
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<tbody>
<tr>
<td>Cost of construction:</td>
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<td>X</td>
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<td>Cost of design:</td>
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<td>Restrictiveness:</td>
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**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.