Code Amendment Proposal Form
For public amendments proposed to the 2018 editions of the International Codes

Instructions: Upload this form and all accompanying documentation at www.denvergov.org/BuildingCode. If you are submitting your proposal on a separate sheet, make sure it includes all information requested below.

All proposals must be received by April 26, 2019.

CONTACT INFORMATION
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I, Masoud Sabounchi, hereby grant and assign to City and County of Denver all rights in copyright I may have in any authorship contributions I make to City and County of Denver in connection with this proposal. I understand that I will have no rights in any City and County of Denver publications that use such contributions in the form submitted by me or another similar form and certify that such contributions are not protected by the copyright of any other person or entity.

Signature:

AMENDMENT PROPOSAL

Please use a separate form for each proposal.

1) Code(s) associated with this proposal. Please use acronym: DBC-IBC

If you submitted a separate coordination change to another code, please indicate which code: __________________________

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
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<th>Code Name</th>
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<tbody>
<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
<td>IMC</td>
<td>International Mechanical Code</td>
</tr>
<tr>
<td>IECC</td>
<td>International Energy Conservation Code</td>
<td>IPC</td>
<td>International Plumbing Code</td>
</tr>
<tr>
<td>IFC</td>
<td>International Fire Code</td>
<td>IRC</td>
<td>International Residential Code</td>
</tr>
</tbody>
</table>

2) Please check here if a separate graphic file is provided: ☐

Graphics may also be embedded within your proposal below.

3) Use this template to submit your proposal or attach a separate file, but please include all items requested below in your proposal. The only formatting needed is BOLDING, STRIKEOUT AND UNDERLINING. Please do not provide additional formatting such as tabs, columns, etc., as this will be done by CPD.

Code Sections/Tables/Figures Proposed for Revision:

DBC-IBC Section 1005.3.1 Exception #1 and 1005.3.2 Exception #2

Proposal:
Delete DBCA Section 1005.3.1 Exception #1 and Section 1005.3.2 Exception #1 and keep IBC exceptions.
[F] SECTION 1005
MEANS OF EGRESS SIZING

[F] Section 1005.3.1 Stairways is amended by modifying Exception 1 and adding Exception 4:

Exceptions:

1. For other than Group H and I-2 occupancies, the capacity, in inches, of means of egress stairways shall be calculated by multiplying the occupant load served by such stairways by a means of egress capacity factor of 0.25 inch (6.4 mm) per occupant in buildings equipped throughout with an automatic sprinkler system installed in accordance with IFCA Section 903.3.1.1 or 903.3.1.2 and an emergency voice/alarm communication system in accordance with IFCA Section 907.5.2.2.

[F] Section 1005.3.2 Other egress components is amended by modifying Exception 1 and adding Exception 4:

Exceptions:

1. For other than Group H and I-2 occupancies, the capacity, in inches, of means of egress components other than stairways shall be calculated by multiplying the occupant load served by such component by a means of egress capacity factor of 0.175 inch (4.5 mm) per occupant in buildings equipped throughout with an automatic sprinkler system installed in accordance with IBCA/IFCA Section 903.3.1.1 or 903.3.1.2 and an emergency voice/alarm communication system in accordance with IFCA Section 907.5.2.2.

Note: Show the proposal using strikeout, underline format. At the start of each section, give one of the following instructions:

- Revise as follows:
- Add new text as follows:
- Delete and substitute as follows:
- Delete without substitution:

Supporting Information:
The IBC Section 1005.3 allows the egress capacity of the stairways in inches to be at the ratio of 0.2”/person and for the non stairways at the ratio of 0.15”/person in sprinkler protected buildings where an emergency fire alarm voice communication is provided. The DBCA increases the ratios to 0.25” and 0.175” respectively. The 2012 through the 2018 IBC (without a proposed revision to the 2021 IBC) include the same 0.2” and 0.15” ratios for determination of the exit capacities. This proposal will make the exit ratios used in Denver consistent with IBC.

Note: This section MUST include these items:

- **Purpose**: State the purpose of the proposed amendment to physical, environmental and customary characteristics that are specific to the City and County of Denver (e.g., clarify the code; revise outdated material; substitute new or revised material for physical, environmental and customary characteristics; add new requirements to the code; delete current requirements, etc. to reflect physical, environmental and customary characteristics that are specific to the City and County of Denver)
- **Reasons**: Clearly justify the change to current code provisions, stating why the proposal is necessary to reflect physical, environmental and customary characteristics that are specific to the City and County of Denver. Proposals that add or delete requirements shall be supported by a logical explanation that clearly shows why the current code does not reflect physical, environmental and customary characteristics that are specific to the City and County of Denver and explains how such proposal will improve the code.
- **Substantiation**: Substantiate the proposed amendment based on technical information and substantiation. Substantiation provided which is reviewed and determined as not germane to the technical issues addressed in the proposed amendment shall be identified as such.
- **Bibliography**: Include a bibliography when substantiating material is associated with the amendment proposal. The proponent shall make the substantiating materials available for review.

Referenced Standards:

Note: List any new referenced standards that are proposed to be referenced in the code.
**Impact:**
This proposal will reduce the cost of construction and coordinate the DBCA with IBC.

**Note:** For each of the following, indicate the impact of this amendment proposal:
- The effect of the proposal on the cost of construction - Increase, Reduce, No Effect
- The effect of the proposal on the cost of design - Increase, Reduce, No Effect
- Is the proposal more or less restrictive than the I-codes - More, Less, Same

**Departmental Impact:** (To be filled out by CPD staff)

**Note:** CITY STAFF ONLY. For each of the following, indicate the impact of this proposal:
- The effect of the proposal on the cost of review - Increase, Reduce, No Effect
- The effect of the proposal on the cost of enforcement/inspection - Increase, Reduce, No Effect