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](http://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**.

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**CONTACT INFORMATION**

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Organization: Lightly Treading

Below, I 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: William R Geisheker

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**AMENDMENT PROPOSAL**

Please use a separate form for each proposal.

1) Code(s) associated with this proposal. Please use acronym: **IECC**

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

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBC-xxxx</td>
<td>Denver Building Code–xxxx (code) amendments (e.g., DBC-IBC, DBC-IEBC)</td>
</tr>
<tr>
<td>IBC</td>
<td>International Building Code</td>
</tr>
<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
</tr>
<tr>
<td>IECC</td>
<td>International Energy Conservation 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.

<table>
<thead>
<tr>
<th>Code Sections/Tables/ Figures Proposed for Revision:</th>
</tr>
</thead>
<tbody>
<tr>
<td>IECC R402.1.5</td>
</tr>
</tbody>
</table>

**Proposal:**

**R402.1.5 Total UA alternative.** Where the total *building thermal envelope* UA, the sum of *U*-factor times assembly area, is less than or equal to the total UA resulting from multiplying the *U*-factors in Table R402.1.4 by the same assembly area as in the proposed *building*, the *building* shall be considered to be in compliance with Table R402.1.2. The UA calculation shall be...
performed by hand or software using a method consistent with the ASHRAE *Handbook of Fundamentals* and shall include the thermal bridging effects of framing materials. In addition to UA compliance, the SHGC requirements shall be met.

**Note:** Show the proposal using strikethrough, 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:**

Purpose: To ensure that all software that has been developed in accordance with the ASHRAE Handbook of fundamentals can be used to demonstrate code compliance under section R402.1.5. Simply Stated the REScheck software is not the only software that creates compliance reports for section R402.1.5

Reasons: To streamline the process and ensure the understanding that a variety of softwares accurately calculate compliance with section R402.1.5 and the code official may see reports from software other than REScheck.

Substantiation: RemRate, Ekotrope, and Energy Gage software are highly reliable tools for programmatic and code compliance not only for section R402.1.5 but also sections R405 and R406. Code officials are most familiar with DOE’s REScheck software but should not disallow the use of others.

**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:**

If the builder is choosing the ERI path, this will add no cost for them to show code compliance.

**Note:** Discuss the impact of this proposal in this section AND indicate the impact of this amendment proposal for each of the following:

- • 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. Discuss the impact of this proposal in this section AND indicate the impact of this amendment proposal for each of the following:
<table>
<thead>
<tr>
<th>Description</th>
<th>Increase</th>
<th>Reduce</th>
<th>No Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>The effect of the proposal on the cost of review:</td>
<td></td>
<td></td>
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<tr>
<td>The effect of the proposal on the cost of enforcement/inspection:</td>
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