DENVER AMENDMENT PROPOSAL FORM
FOR CPD INTERNAL PROPOSALS TO THE 2016 DENVER BUILDING CODE AMENDMENTS AND THE 2018 INTERNATIONAL CODES

2018 CODE DEVELOPMENT CYCLE

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   Date: 3/18/19

2) Proposals should be drafted in Word with the only formatting that is needed being **BOLDING**, **STRIKEOUT** AND **UNDERLINING**. Please do not provide additional formatting such as tabs, columns, etc.

Please use a separate form for each proposal submitted.

Is separate graphic file provided (Yes or No):

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<th>Acronym</th>
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<th>Code Name</th>
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<td>IBC</td>
<td>International Building Code</td>
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<td>IEBC</td>
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AMENDMENT PROPOSAL

Please provide all of the following items in your amendment proposal.

**Code Sections/Tables/Figures Proposed for Revision:**

**Appendix RA**

IECC: RA103.1, RA103.4

**Note:** If the proposal is for a new section, indicate (new).

**Proposal:**

**RA103.1 General.** New detached one- and two-family dwellings, and townhouses with not less than 600 square feet (55.74 m²) of roof area oriented between 110 degrees and 270 degrees of true north shall comply with Sections RA103.2 through RA103.8.

**Exception:**

1. New residential buildings with a permanently installed on-site renewable energy system.

2. A building with a solar-ready zone that is shaded where all areas of the roof that would otherwise meet the requirements of Section RA103 are in full or partial shade for more than 70 percent of daylight hours annually.

**RA103.4 Obstruct ions.** Solar-ready zones shall be free from obstructions, including but not limited to vents, chimneys, and roof-mounted equipment.

**RA103.5 Shading (New Sub sect ion)**

The solar-ready zone shall be set back from any existing or new, permanently affixed object on the building or site that is located south, east or west of the solar zone a distance not less than 2 times the object’s height above the nearest point on the roof surface. Such objects include, but are not limited to, taller portions of the building itself, parapets, chimneys, antennas, signage, roof top equipment, trees and roof plantings.

**RA103.6 Capped Roof Penetration Sleeve (New Sub Sect ion)**

November 15, 2005
A capped roof penetration sleeve shall be provided adjacent to a solar-ready zone located on a roof slope of not greater than 1 unit vertical in 12 units horizontal (8-percent slope). The capped roof penetration sleeve shall be sized to accommodate the future photovoltaic system conduit but shall have an inside diameter of not less than 1 1/4 inches (32 mm).

Remaining sections unchanged need to be re numbered.

Note: Show the proposal using strikeout, underline format. At the beginning of each section, one of the following instruction lines are also needed:

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

Supporting Information:

The solar ready appendix in the IRC was changed last cycle but the changes were not incorporated in the solar ready appendix of IECC residential provisions. It was our understanding that anything dealing with residential provisions of the energy code would automatically match what was in the IRC, but apparently this does not apply to the appendix chapters. There is absolutely no reason that these two appendix chapters should differ.

Note: The following items are required to be included:

Purpose: The proponent shall clearly 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.)

Reasons: The proponent shall justify changing the 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 which clearly shows why the current does not reflect physical, environmental and customary characteristics that are specific to the City and County of Denver and explains how such proposals will improve the Code.

Substantiation: The proponent shall 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 (as needed): The proponent shall submit a bibliography when substantiating material is associated with the amendment proposal. The proponent shall make the substantiating materials available for review.

Referenced Standards:

Click or tap here to enter text.

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

Impact:

The code change proposal will increase the cost of construction if you are in the IRC instead of the IECC.

The cost of a roof penetration sleeve would be incurred if you were building to the IECC and had not been using the IRC. This would perhaps happen for multi family buildings less than 3 stories in height or for jurisdictions who use the IECC residential provisions and not the IRC.

Note: The proponent shall indicate one of the following regarding the impact of the amendment proposal:

- The effect of the amendment proposal on the cost of construction; Increase, Reduce, No Effect:
- The effect of the amendment proposal on the cost of design; Increase, Reduce, No Effect:
Is the amendment proposal more- or less-restrictive than the I-Codes; More, Less, Same:

**Departmental Impact:**
There would be an impact if you were never referring to IECC appendix and only using IRC appendix because now they match so there would be more to look for.

**Note:** Indicate one of the following regarding the impact of the amendment proposal:
- The effect of the amendment proposal on the cost of review; Increase, Reduce, No Effect:
- The effect of the amendment proposal on the cost of enforcement/inspection; Increase, Reduce, No Effect: