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

2018 CODE DEVELOPMENT CYCLE

1) Name: James A. Sobey Date: 3/27/2019
Click or tap here to enter text.

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):

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
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<tbody>
<tr>
<td>IBC</td>
<td>International Building Code</td>
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<tr>
<td>IECC</td>
<td>International Energy Conservation Code</td>
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<td>IEBC</td>
<td>International Existing Building Code</td>
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<td>IFC</td>
<td>International Fire Code</td>
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<tr>
<td>IPC</td>
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<td>International Residential Code</td>
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<td>IFGC</td>
<td>International Fuel Gas Code</td>
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<tr>
<td>IMC</td>
<td>International Mechanical Code</td>
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Please provide all of the following items in your amendment proposal.

**AMENDMENT PROPOSAL**

**Code Sections/Tables/Figures Proposed for Revision:**
IRC APPENDIX F

The proposal is to include Appendix F.

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

**Proposal:**

This proposal adds the inclusion of the 2018 IRC Appendix F Radon Control Methods for IRC buildings.

**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:**

This proposal is to include the full 2018 IRC Appendix F, Radon Control Methods for all new IRC building and additions which include added crawl spaces or basements. Radon is considered a Group A Carcinogen: the EPA identifies 21,000 lung cancer deaths per year in the USA resulting from radon gas. Over 50 municipalities and counties in Colorado have adapted Appendix F.

**Purpose:** To mitigate the effects of long term radon gas exposure and reduce incidents of lung cancer.

**Reason:** Colorado and Denver are located in Zone 1, the highest risk category for radon. Over 50% of Colorado homes have elevated levels of radon gas.

**Substantiation:** The cost of radon mitigation is considered minor when compared to the health benefits of radon control and as a percentage of construction costs. It is become a standard of construction practice in much of Colorado and the Front Range.

November 15, 2005
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:**

- IRC Appendix F Radon Contorl Methods

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

**Impact:**

Minimal increase of cost to constrution with passive systems.

**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:**

Minimal increase of review time. Little is added in terms of new construction.

**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: