1) Name: Kirk Gallaher  
Date: 3/18/19  
IECC Section 402.5.3 Rooms Containing Fuel-Burning Appliances

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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</tr>
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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>
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AMENDMENT PROPOSAL

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

**Code Sections/Tables/Figures Proposed for Revision:**
IECC C402.5.3

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

**Proposal:**

C402.5.3 Rooms containing fuel-burning appliances is revised as follows (remainder of section unchanged):

In Climate Zones 3 through 8, where combustion air is supplied through openings in an exterior wall to a room or space containing space conditioning and service water heating fuel burning appliances, one of the following shall apply:

*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:**

**Purpose:** To simplify the code language, reduce infiltration and produce a more energy efficient installation.

**Reason/Substantiation:** There is no difference in space conditioning fuel burning appliance and a fuel burning appliance when it comes to utilizing combustion air through openings in an exterior wall (natural combustion appliances). Both appliance types are introducing unconditioned air into the space where the appliance is located, bypassing the envelope seal and insulation requirements. By removing the discrepancy, the amendment will encourage the use of more efficient non space heating equipment, saving both energy and cost of operation. This will also help in maintaining the envelop and infiltration requirements of the code.

*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:

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

### Impact:

The impact will be a more efficient envelope and a clear approach to design when it comes to utilizing natural draft appliances for building systems.

- The cost on construction will be a the same, instead of providing louvered and openings in the exterior walls, higher efficiency, more energy efficient sealed combustion equipment can be utilized, interchanging the equipment cost with the envelope cost. If the Engineer insists on a natural draft appliance the construction costs will increase for non-space heating fuel burning appliances.
- The cost on design will be the same.
- This amendment Is more restrictive than I-Codes

**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:

The effect of the amendment proposal on the cost of review: No Effect.
The effect of the amendment proposal on the cost of enforcement/inspection: No Effect.

**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: