DENVER AMENDMENT PROPOSAL FORM
FOR PROPOSALS TO THE 2019 DENVER BUILDING CODE
AMENDMENTS AND THE 2021 INTERNATIONAL CODES

2021 CODE DEVELOPMENT CYCLE

1) Name: Brian Lukus  Date: September 7, 2021
   Email: Brian.lukus@denvergov.org  Representing (organization or self): Organization

2) One proposal per this document is to be provided with clear and concise information.
   Is a separate graphic file provided ( “X” to answer): ___ Yes  or  ___ No

3) Highlight the code and acronym that applies to the proposal

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
<th>Acronym</th>
<th>Code Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBC</td>
<td>International Building Code</td>
<td>IRC</td>
<td>International Residential Code</td>
</tr>
<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
<td>IMC</td>
<td>International Mechanical Code</td>
</tr>
<tr>
<td>IFC</td>
<td>International Fire Code</td>
<td>DGC</td>
<td>Denver Green Code</td>
</tr>
</tbody>
</table>

AMENDMENT PROPOSAL

Please provide all the following items in your amendment proposal.

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

**Instructions:** If the proposal is for a new section, indicate (new), otherwise enter applicable code section.

3903.5

**Proposal:**

**Instructions:** Show the proposal using *strikeout*, *underline* format.

Place “X” next to choice that best defines your proposal:  __X__ Revision  ____ New Text  ____ Delete/Substitute  ____ Deletion

**3903.5 Gas Detection.** A continuous gas detection system complying with Section 916 shall be provided within rooms, booths, or hoods, containing CO₂ or LPG extraction processes. Actuation of the gas detection system shall initiate a local alarm within the room. CO₂ gas detection systems shall alarm at 5000ppm. LPG gas detection systems shall alarm at no greater than 25% percent of the LFL. Portable LPG gas detection shall be utilized by the extraction system operator to verify local hydrocarbon levels, including system leaks.

**Supporting Information (Required):**

All proposals must include a written explanation and justification as to how they address physical, environmental, and/or customary characteristics that are specific to the City and County of Denver. The following questions must be answered for a proposal to be considered.

- **Purpose:** What does your proposal achieve?

Aligns the minimum gas detection level to Chapter 916 and other national flammable gas maximum detection criteria.

- **Reason:** Why is your proposal necessary?

25% is a common gas detection level fire codes & standards; some equipment on the marker cannot meet 20% detection criteria.

- **Substantiation:** Why is your proposal valid? (i.e. technical justification)
25% is a common gas detection level in fire codes & standards; some equipment on the marker cannot meet 20% detection criteria.

**Bibliography and Access to Materials** (as needed when substantiating material is associated with the amendment proposal):

**Other Regulations Proposed to be Affected**
*For proposals to delete content from the 2019 Denver Green Code in conjunction with adding it to other mandatory Denver codes and/or regulations, only.*

Please identify which other mandatory codes or regulations are suggested to be updated (if any) to accept relocated content.

**Referenced Standards:**
List any new referenced standards that are proposed to be referenced in the code.

**Impact:**
How will this proposal impact cost and restrictiveness of code? (“X” answer for each item below)

<table>
<thead>
<tr>
<th>Cost of construction:</th>
<th>Increase</th>
<th>Decrease</th>
<th>X No Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost of design:</td>
<td>Increase</td>
<td>Decrease</td>
<td>X No Impact</td>
</tr>
<tr>
<td>Restrictiveness:</td>
<td>Increase</td>
<td>X Decrease</td>
<td>No Impact</td>
</tr>
</tbody>
</table>

**Departmental Impact (City use only):**
This amendment proposal increases/decreases/is neutral to the cost of plans review.
This amendment increases/decreases/is neutral to the cost of inspections.