



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

**DENVER**  
THE MILE HIGH CITY

## 2021 CODE DEVELOPMENT CYCLE

1) **Name:** John Woycheese **Date:** July 23, 2021  
**Email:** John.Woycheese@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 X No

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

<u>Acronym</u>	<u>Code Name</u>	<u>Acronym</u>	<u>Code Name</u>
DBC-AP	Denver Building Code–Administrative Provisions	IPC	International Plumbing Code
IBC	International Building Code	IRC	International Residential Code
IECC	International Energy Conservation Code	IFGC	International Fuel Gas Code
IEBC	International Existing Building Code	IMC	International Mechanical Code
<b>IFC</b>	<b>International Fire Code</b>	DGC	Denver Green Code

## 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.

905.3.1 in base IFC  
Exceptions in Denver Amendments

**Proposal:**

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

**Place "X" next to choice that best defines your proposal:** \_\_\_ Revision \_\_\_ New Text X Delete/Substitute \_\_\_ Deletion

**Section 905.3.1 Height is replaced as follows:**

**905.3.1 Height.** ~~Class III~~ Class I standpipe systems shall be installed throughout buildings where any of the following conditions exist:

1. Four or more stories are above or below *grade plane*.
2. The floor level of the highest story is located more than 30 feet (9144 mm) above the lowest level of the fire department vehicle access.
3. The floor level of the lowest story is located more than 30 feet (9144 mm) below the highest level of the fire department vehicle access.

**Exceptions:**

~~1. Class I standpipes are allowed in buildings equipped throughout with an automatic sprinkler system in accordance with Sections 903.3.1.1 or 903.3.1.2 subject to the provisions of Section 913.~~

~~1. Class I automatic dry standpipes shall be permitted are allowed in single use or mixed use open parking garages constructed in accordance with Section 406.5 of the *International Building Code*, as follows:~~

~~1.1 Class I automatic dry standpipes shall be permitted are allowed in mixed use open parking garages where the highest floor is located not more than 75 feet above the lowest level of Fire Department vehicle access. In a mixed use parking garage, t The standpipe system serving the open parking garage shall be integrated with the fire protection system serving~~

~~the other occupancies, and shall not be a stand-alone system. Hose connections shall be located as required for Class II standpipes in accordance with Section 905.5.~~

~~1.2 Class I automatic dry standpipes shall be permitted are allowed in single use open parking garages where the highest floor is located not more than 75 feet above the lowest level of Fire Department vehicle access.~~

~~1.3 Class I manual dry standpipes shall be permitted are allowed in single use open parking garages where the highest floor is less than 55 feet from the lowest level of Fire Department vehicle access. Hose connections shall be located as required for Class II standpipes in accordance with the Section 905.5. This provision is applicable to open parking garages with one level of underground enclosed parking garage.~~

~~4. Class I standpipes are allowed in basements equipped throughout with an automatic sprinkler system.~~

~~5. Intentionally deleted.~~

**Section 905.8 Dry standpipes is replaced as follows:**

**905.8 Dry standpipes.** Dry standpipes shall not be installed.

**Exception:** Exceptions:

1. Where subject to freezing and in accordance with NFPA 14
2. Class I automatic dry standpipes shall be permitted in mixed-use open parking garages where the highest floor is located not more than 75 feet above the lowest level of Fire Department vehicle access. The standpipe system serving the open parking garage shall be integrated with the fire protection system serving the other occupancies and shall not be a stand-alone system.
3. Class I automatic dry standpipes shall be permitted in single-use open parking garages where the highest floor is located not more than 75 feet above the lowest level of Fire Department vehicle access.
4. Class I manual dry standpipes shall be permitted in single-use open parking garages where the highest floor is less than 55 feet from the lowest level of Fire Department vehicle access. This provision is applicable to open parking garages with one level of underground enclosed parking garage.

**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?

Class III standpipes provide 1-1/2" hose for occupant use which has been prohibited in Denver where occupant evacuation is the primary safety choice when a fire has been detected and grown beyond an extinguisher capability. Class I standpipes provide a 2-1/2" outlet for firefighter use and compatibility with highrise packs used by Denver Fire Crews.

- Reason: Why is your proposal necessary?

Clearly present the standpipe approach used in Denver & avoid confusion for designers. This approach is also less costly to design, install and maintain. The previous exceptions in 905.3.1 regarding dry standpipes should be moved to 905.8 as exceptions to the dry standpipe prohibition.

- Substantiation: Why is your proposal valid? (i.e. technical justification)

The proposal achieves firefighting tactics used by Denver Fire Crews and outlined in department SOG's (Standard Operating Guidelines).

**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)

Cost of construction:    \_\_\_ Increase      X   Decrease    \_\_\_ No Impact

Cost of design:         \_\_\_ Increase      X   Decrease    \_\_\_ No Impact

Restrictiveness:        \_\_\_ Increase      X   Decrease    \_\_\_ No Impact

**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.