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

2021 CODE DEVELOPMENT CYCLE

1) Name: CCD Staff Date: 06/30/2021
   Email: Charles.bartel@denvergov.org Representing (organization or self): CCD

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

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
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</thead>
<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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<td>IFC</td>
<td>International Fire Code</td>
<td>DGC</td>
<td>Denver Green Code</td>
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AMENDMENT PROPOSAL

Please provide all the following items in your amendment proposal.

<table>
<thead>
<tr>
<th>Code Sections/Tables/Figures Proposed for Revision:</th>
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<tbody>
<tr>
<td>1106.5 and subsections</td>
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</table>

Proposal:
Revision ___ New Text X Delete/Substitute ___ Deletion

Section IPC 1106.5 Parapet wall Scuppers is replaced in its entirety as follows:

1106.5 Parapet wall scuppers. Where scuppers are used for primary roof drainage or for secondary (emergency over-flow) roof drainage or both, the quantity, size, location, and inlet elevation of the scuppers shall be chosen to prevent the depth of ponding water on the roof from exceeding the maximum water depth that the roof was designed for as determined by Section 1611.1 of the International Building Code. Scuppers shall have an opening height of not less than 4 inches (102 mm), a width of not less than 4 inches (102 mm) and shall be sized in accordance with 1106.5.1 or 1106.5.2. The flow through the primary system shall not be considered when locating and sizing secondary scuppers.

1106.5.1 Equivalent circumference. The scupper width shall be equal to or greater than the strainer circumference of a roof drain sized for the same roof area.

1106.5.2 Francis formula. The scupper shall be sized by the Francis formula given in Figure 1106.5.
Figure 1106.5

Supporting Information (Required):
What circumference of the roof drain is to be used in determining the width of the scupper? The internal diameter of the roof drain piping? The diameter of the guard? Since roof drains are now sized based on the manufacturer's flow rate, the roof drain size (guard diameter and pipe diameter) can vary by manufacturer, which in turn, could change the minimum width of the scupper.
This revision clarifies that it is the size of the strainer circumference of the roof drain. An alternate method of using the well-known Francis Formula has been added as an option.

Other Regulations Proposed to be Affected
N/A

Referenced Standards:
N/A

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

Cost of construction:  ___ Increase  ___ Decrease  _x_ No Impact
Cost of design:        ___ Increase  ___ Decrease  _x_ No Impact
Restrictiveness:      ___ Increase  ___ Decrease  _x_ No Impact

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