



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:** Denver Staff **Date:** July 29, 2021
Email: David.renn@denvergov.org **Representing (organization or self):** Denver

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
IFC	International Fire Code	DGC	Denver Green Code

AMENDMENT PROPOSAL

Please provide all the following items in your amendment proposal.

<p><u>Code Sections/Tables/Figures Proposed for Revision:</u></p> <p>DBCA 1503 Weather Protection; 1503.2.2 Mechanical Equipment on roof</p>
<p><u>Proposal:</u> <u>x</u> Revision</p> <p>SECTION 1503 WEATHER PROTECTION</p> <p>Section 1503.2.2 Mechanical equipment on roof is added as follows:</p> <p>1503.2.2 Mechanical equipment on roof. Mechanical equipment placed or reset on roofing shall be supported on minimum 8-inch curbs, platforms, or legs bearing on the decking and made watertight. The 8-inch raised height shall be measured from the top of the installed roofing assembly to the top of the curbs, platforms, or legs.</p> <p>Exception: Individual equipment units with a weight of 400 pounds or less may be supported on 8-inch legs bearing on the roof membrane if vibration isolation bearing pads, or <u>approved equivalent isolation method</u>, are provided between the bearing points and the roof and the roof warranty is not affected by the installation of the units on the roof membrane. All methods must be meet manufacturers requirements and recommendations for the application being proposed.</p>
<p><u>Supporting Information (Required):</u></p> <p>While we believe that there does need to be a sacrificial layer that is not the membrane itself, so that deterioration doesn’t occur, we are not sure that it must always be a specific vibration isolation bearing pad. In some cases, it could be as simple as a patch or second layer of roof membrane that provides the isolation. Adding “or approved equivalent isolation method” gives staff the ability to approve designs on a case by case basis and not just always require the pads. This allows for more flexibility.</p>
<p><u>Other Regulations Proposed to be Affected</u> N/A</p>
<p><u>Referenced Standards:</u> N/A</p>

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.