



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:** CCD Staff **Date:** 6/20/21
Email: Bret.Pica@denvergov.org **Representing (organization or self):**

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> 911 Duct Furnaces 911.1 General</p>
<p><u>Proposal:</u> Place an “X” next to the choice that best defines your proposal: <input checked="" type="checkbox"/> Revision <input type="checkbox"/> New Text <input type="checkbox"/> Delete/Substitute <input type="checkbox"/> Deletion</p> <p>911.1 General. Duct furnaces shall be installed in accordance with the manufacturer’s instructions. Electric duct furnaces shall comply with UL 1996 and shall be installed in the same duct as the fan. The fan shall provide at least the minimum airflow required by the furnace manufacturer.</p>
<p><u>Supporting Information (Required):</u> Currently, designs are being submitted with electric duct heaters in a duct without a fan and rely on an exhaust fan to the room to draw air through the duct. When a door to the room is opened there may not be sufficient airflow through the duct heater and is reliant on proper operation of an integral airflow switch to shut the unit down.</p> <p>The manufacturer typically requires the heater to be interlocked with a fan thereby providing additional safety, but with the fan not in the same duct it does not guarantee airflow with the fan operating.</p> <p>This proposal requires the heater to be installed in the actual same hard duct as the fan to ensure there is airflow across the duct heater and encourages good design.</p> <p>The IFGC in Section 610.4 says the heater needs to be down stream of the fan but we do not feel that is necessary for the electric heaters.</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 Decrease No Impact

Cost of design: Increase Decrease No Impact

Restrictiveness: Increase Decrease No Impact

Departmental Impact (City use only):

This amendment proposal increases/decreases/is neutral to the cost of plans review. Neutral

This amendment increases/decreases/is neutral to the cost of inspections. Neutral