DENVER AMENDMENT PROPOSAL FORM
FOR CPD INTERNAL PROPOSALS TO THE 2016 DENVER BUILDING CODE AMENDMENTS AND THE 2018 INTERNATIONAL CODES

2018 CODE DEVELOPMENT CYCLE

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   Electrical Plan Review Supervisor
   City and County of Denver
   Date: 4/11/2019

2) Proposals should be drafted in Word with the only formatting that is needed being BOLDING, STRIKETHROUGH AND UNDERLINING. Please do not provide additional formatting such as tabs, columns, etc.

Please use a separate form for each proposal submitted.

Is separate graphic file provided (Yes or No):

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBC</td>
<td>International Building Code</td>
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<tr>
<td>IECC</td>
<td>International Energy Conservation Code</td>
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<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
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<tr>
<td>IFC</td>
<td>International Fire Code</td>
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<td>IPC</td>
<td>International Plumbing Code</td>
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<tr>
<td>IRC</td>
<td>International Residential Code</td>
</tr>
<tr>
<td>IFGC</td>
<td>International Fuel Gas Code</td>
</tr>
<tr>
<td>IMC</td>
<td>International Mechanical Code</td>
</tr>
<tr>
<td>NEC</td>
<td>National Electrical Code</td>
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</tbody>
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AMENDMENT PROPOSAL

Please provide all of the following items in your amendment proposal.

Code Sections/Tables/Figures Proposed for Revision:
DBC - IBC 403.4.8.3

Note: If the proposal is for a new section, indicate (new).

Proposal: Delete without substitution to keep what is in the 2018 IBC

403.4.8.3 Emergency power loads: The following are classified as emergency power loads:

1. Power and lighting for the fire command center required by Section 403.4.6.
2. Ventilation and automatic fire detection equipment for smokeproof enclosures.
3. Elevators.
4. Where elevators are provided in a high-rise building for accessible means of egress, fire service access or occupant self-evacuation, the standby power system shall also comply with Sections 1009.4, 2007 or 2008, as applicable.
5. Exit signs and means of egress illumination required by Chapter 10.
6. Elevator car lighting.
7. Emergency voice/alarm communication systems.
8. Automatic fire detection systems.
9. Fire alarm systems.
10. Electrically powered fire pumps.
11. Smoke control equipment

November 15, 2005
Note: Show the proposal using **italic**, *underline* format. At the beginning of each section, one of the following instruction lines are also needed:

- Revise as follows
- Add new text as follows
- Delete and substitute as follows
- Delete without substitution

Supporting Information:

Justification: The Standby power electrical loads described in the 2015 IBC 403.4.8.3 were moved into the Emergency power loads per the 2016 DCBA 403.4.8.3, and the 2015 IBC section for Standby power loads was deleted by amendment. The purpose of the Standby system is to provide power to the larger motor loads listed in IBC 403.4.8.3. The Emergency system should only contain those smaller electrical loads used solely to assist people to exit the building during an emergency event.

The connection of the Standby motor loads to the Emergency system due to elimination of the Standby system could create a catastrophic failure of the Emergency system as the larger motors that would have been on the Standby system will generate large inrush currents that could potentially overload the Emergency system overcurrent device.

The 2018 IBC language under 403.4.8.3 and 403.4.8.4 should be allowed to stand as written to protect the Emergency system from this failure. Deletion of 2016 DBCA 403.4.8.3 will accomplish this by now requiring a Standby power system as written in the IBC for these larger motors. This will protect the integrity of the life safety Emergency system and will clearly identify the electrical loads required to be connected to the Standby power system.

This deletion also brings the functions of the Emergency and Standby power systems into alignment with the requirements of the National Electrical Code, Articles 700, 701, and 702.

The above clarification does not propose any cost to construction or design, and is no more nor less restrictive that the I-codes.

Note: The following items are required to be included:

**Purpose:** The proponent shall clearly state the purpose of the proposed amendment to physical, environmental and customary characteristics that are specific to the City and County of Denver (e.g., clarify the Code; revise outdated material; substitute new or revised material for physical, environmental and customary characteristics; add new requirements to the Code; delete current requirements, etc.)

**Reasons:** The proponent shall justify changing the current Code provisions, stating why the proposal is necessary to reflect physical, environmental and customary characteristics that are specific to the City and County of Denver. Proposals that add or delete requirements shall be supported by a logical explanation which clearly shows why the current does not reflect physical, environmental and customary characteristics that are specific to the City and County of Denver and explains how such proposals will improve the Code.

**Substantiation:** The proponent shall substantiate the proposed amendment based on technical information and substantiation. Substantiation provided which is reviewed and determined as not germane to the technical issues addressed in the proposed amendment shall be identified as such.

**Bibliography** (as needed): The proponent shall submit a bibliography when substantiating material is associated with the amendment proposal. The proponent shall make the substantiating materials available for review.

**Referenced Standards:**

IBC 403.4.8.3  
IBC 403.4.8.4  
NEC 700, 701, 702

List any new referenced standards that are proposed to be referenced in the code.

**Impact:**

The above clarification does not propose any increased or decreased cost to construction or design, and is no more nor less restrictive that the I-codes as written.

Note: The proponent shall indicate one of the following regarding the impact of the amendment proposal:

- The effect of the amendment proposal on the cost of construction; Increase, Reduce, No Effect:
- The effect of the amendment proposal on the cost of design; Increase, Reduce, No Effect:
- Is the amendment proposal more- or less-restrictive than the I-Codes; More, Less, Same:

**Departmental Impact:**

No effect in review cost.  
No effect in enforcement/inspection cost.
Note: Indicate one of the following regarding the impact of the amendment proposal:

- The effect of the amendment proposal on the cost of review; Increase, Reduce, No Effect:
- The effect of the amendment proposal on the cost of enforcement/inspection; Increase, Reduce, No Effect: