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

2018 CODE DEVELOPMENT CYCLE

1) Name: Ricardo Gonzales, Jr.  Date: 4/12/2019

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  ☒ No

<table>
<thead>
<tr>
<th>Acronym</th>
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<tbody>
<tr>
<td>DBC-xxx</td>
<td>Denver Building Code–xxx code base</td>
<td>IMC</td>
<td>International Mechanical Code</td>
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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 Appendix S 4.8.1 and 4.8.2

Proposal:

Add new text as follows:

4.8.1 Emergency
Power Airport Terminal Buildings shall be provided with an emergency power source. Emergency power shall be provided by dual utility services or other approved means complying with NFPA 70, (NEC) Article 700 and the International Fire Code as amended. Conditions of utility service availability and system power transfer shall be monitored by the fire alarm system. Emergency power shall be defined as distribution equipment which is tapped ahead of both of the main circuit breakers into a transfer switch or a separate main switchgear that is provided for emergency loads only.

4.8.2 The following equipment shall be provided with emergency power:
1. Mechanical equipment for smoke control.
2. Emergency egress and exit lighting.
3. Emergency elevator power and all associated elevator equipment.
4. Fire alarm and detection systems.
5. Fire pump/jockey pump.
6. Emergency communication systems.
7. Emergency escalators and all associated escalator equipment.
8. Emergency moving walkways and all associated equipment.

Supporting Information:

Purpose: The purpose of the proposed changes is to clarify the definition of emergency loads. The way it reads having those loads on any distribution section of the double fed switchgear would comply, when DEN actually has specific emergency taps or gear for
those loads. This would help clarify that we want elevators and all of the associated elevator equipment such as lighting also on emergency power so they continue to function properly during an emergency. For some reason all of the escalators and moving walkways are fed from Emergency panels throughout the airport as part of the original construction. Adding this section would just make it official so that new projects continue to follow.

Reason: The reason for the changes is to help clarify exactly what is desired to be on emergency power. Consultants read this and don't always interpret it correctly. These changes would help to provide more information to the consultants for new projects so that there is more consistency in the designs.

Bibliography: not required.

**Referenced Standards:**

No new referenced standards proposed.

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

**Impact:**

The impact is to clarify the definition of emergency loads.

Note: The proponent shall discuss the impact of the proposed amendment and indicate one of the following for each point below regarding 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:**

By clarifying terms, it lessons uncertainty in how to enforce provisions.

Note: The proponent shall discuss the impact of the proposed amendment and indicate one of the following for each point below regarding 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