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: Allen Yanong / combined by Glenn Mathewson  Date: 3/26/19

2) Proposals should be drafted in Word with the only formatting that is needed being BOLDING, STRIKEOUT 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.

**Proposal:**

Delete Denver amendment without substitution

**SECTION Q106**

SECURING AN ELEVATOR LOBBY WITH AN ACCESS CONTROL SYSTEM

Q 106.1 Secured elevator lobby. When all of the provisions of Section Q106.1 have been satisfied, elevator lobbies may be secured to prevent access from the elevator lobby into a tenant space.

Q 106.1.1 Use of secured elevator lobbies. Secured elevator lobbies are intended to provide a transitional area where building occupants can await the arrival of an elevator car or depart from an elevator car. It is not intended to be an area where building occupants can work. A secured elevator lobby cannot contain other spaces that are considered normally occupied such as restrooms, reception areas or waiting areas.

Q 106.1.2 Exit path blockage. Securing of the lobby cannot result in the blockage of exit paths from normally occupied areas. A secured lobby cannot interrupt the exit path circulation.

Q 106.1.3 Dead-end corridors. Securing of the lobby cannot result in dead-end exit corridors with lengths that exceed the provisions of IBC Section 1020.4.

Q 106.1.4 Restroom facility access. Securing of the lobby cannot result in elimination of access to required restroom facilities from normally occupied areas. Each individual tenant shall have access at all times to required toilet facilities.
Q 106.1.5 Electric load-center access. Securing of the lobby cannot eliminate the access required by the NEC to electrical overload protection or disconnect equipment. Each tenant shall have the access required by the NEC.

Q 106.1.6 Delayed Egress. Delayed egress is permitted under this section.

Q 106.1.7 Exit stairway access. Elevator lobbies shall have at least one means of egress complying with Chapter 10 and other provisions within this code.

Exception: Access to an exit stairway is not required provided all of the following conditions are met:

Fire System Requirements. The building shall be alarmed and/or protected in accordance with one of the items below:

a. Equipped with a fire alarm system and shall be fully detectored.

b. Fully sprinklered and have manual fire alarm boxes (pull stations) installed throughout the building.

c. Equipped with the life-safety features prescribed under IBC Section 403.

Electric Locks. All doors connecting the secured lobby with normally occupied areas or with corridors leading to the exit stairway may only be secured with a fail-safe electric lock. The lock shall unlock when the fire alarm is activated.

Emergency Communications. One of the following emergency communication devices shall be provided in the elevator lobby:

a. A manual fire alarm box shall be installed in a clearly visible location within the elevator lobby and mounted at a height to comply with the reach range provisions of ICC A117.1 (2009) Section 308. The location shall be subject to approval by the FPB. A manual fire alarm box installed under these requirements shall transmit to a Class I Central Station.

b. An emergency telephone or other approved two-way communication device shall be installed in the elevator lobby, and mounted in compliance with the reach range provisions of ICC A117.1 (2009) Section 308. The location shall be approved by the FPB. The system/device shall transmit to a commercial monitoring service or continuously-staffed monitoring service within the building as approved by CPD and the FPB. Upon activation, the communications device shall automatically transmit a location identification message to the monitoring service. A sign in compliance with ICC A117.1 (2009) shall be provided at the communication device that states that this is an emergency phone and lists the building address and the floor number of the elevator lobby.

Lighting Requirements. The elevator lobby shall be illuminated in accordance with IBC Section 1008 (Means of Egress Illumination).

Compatibility with Accessibility Requirements. All doors into the elevator lobby area from normally occupied areas shall have accessible hardware compatible with the requirements of ICC A117.1 (2009) Sections 308 and 404.2.6 on each side of the door.

Elevator Lobby Refuge Areas or Elevator Lobby Area of Rescue Assistance. When an elevator lobby is used as an area of refuge or area of rescue assistance, all of the following conditions shall be met:

a. Electric Lock Requirements. Electric locks shall be designed so that when they are released, the door will remain latched. The lock shall also be connected to the Electric Locks – Master Switch.

b. Door and Door Hardware Requirements. All doors opening into elevator lobby refuge areas shall be 45-minute fire-protection rated assemblies as required by DBC Table 716.5. All hardware necessary to maintain the fire rating of the door shall be listed and approved fire door hardware. All hardware installed on the rated door and frame assembly shall be compatible with the manner in which the door was manufactured and shall not reduce the fire rating of the assembly. Field or other modification of rated doors and frames is prohibited unless approved in writing by the agency which labeled the fire-rated assembly.

c. Securing Doors Leading into the Elevator Lobby. Doors leading into the lobby refuge area from normally occupied areas shall be readily openable from the normally occupied side without the use of a key or special knowledge or effort.

d. Refuge Area or Area of Rescue Assistance Subdivision. A refuge area or area of rescue assistance, which includes the elevator lobby and the corridors that connect the lobby to the exit stairways, shall remain as one open area without restriction of movement within the refuge area or area of rescue assistance.
Add new text and section as follows: (note: relocated from Denver App. Q, 106)

Section 1010.9.13 Secured elevator lobby (and subsections) is added:

1010.9.13 Secured elevator lobby. When all of the provisions of Section 1010.9.13 have been satisfied, elevator lobbies may be secured to prevent access from the elevator lobby into a tenant space.

1010.9.13.1 Use of secured elevator lobbies. Secured elevator lobbies are intended to provide a transitional area where building occupants can await the arrival of an elevator car or depart from an elevator car. It is not intended to be an area where building occupants can work. A secured elevator lobby cannot contain other spaces that are considered normally occupied such as restrooms, reception areas or waiting areas.

1010.9.13.2 Exit path blockage. Securing of the lobby cannot result in the blockage of exit paths from normally occupied areas. A secured lobby cannot interrupt the exit path circulation.

1010.9.13.3 Dead-end corridors. Securing of the lobby cannot result in dead-end exit corridors with lengths that exceed the provisions of IBC Section 1020.4.

1010.9.13.4 Restroom facility access. Securing of the lobby cannot result in elimination of access to required restroom facilities from normally occupied areas. Each individual tenant shall have access at all times to required toilet facilities.

1010.9.13.5 Electric load-center access. Securing of the lobby cannot eliminate the access required by the NEC to electrical overload protection or disconnect equipment. Each tenant shall have the access required by the NEC.

1010.9.13.6 Delayed Egress. Delayed egress is permitted under this section in accordance with 1010.1.9.8.

1010.9.13.7 Exit stairway access. Elevator lobbies shall have at least one means of egress complying with Chapter 10 and other provisions within this code.

Exception: Access to an exit stairway is not required provided all of the following conditions are met:

1. Fire System Requirements. The building shall be alarmed and/or protected in accordance with one of the items below:

   a. Equipped with a fire alarm system and shall be fully detected.

   b. Fully sprinklered and have manual fire alarm boxes (pull stations) installed throughout the building.

   c. Equipped with the life-safety features prescribed under IBC Section 403.

2. Electric Locks. All doors connecting the secured lobby with normally occupied areas or with corridors leading to the exit stairway may only be secured with a fail-safe electric lock. The lock shall unlock when the fire alarm is activated, upon loss of power or fire flow.

3. Emergency Communications. One of the following emergency communication devices shall be provided in the elevator lobby:

   a. A manual fire alarm box shall be installed in a clearly visible location within the elevator lobby and mounted at a height to comply with the reach range provisions of ICC A117.1 (2009) Section 308. The location shall be subject to approval by the FPB. A manual fire alarm box installed under these requirements shall transmit to a Class I Central Station.

   b. An emergency telephone or other approved two-way communication device shall be installed in the elevator lobby, and mounted in compliance with the reach ranges provisions of ICC A117.1 (2009) Section 308. The location shall be approved by the FPB. The system/device shall transmit to a commercial monitoring service or continuously staffed monitoring service within the building as approved by CPD and the FPB. Upon activation, the communications device shall automatically transmit a location identification message to the monitoring service. A sign in compliance with ICC A117.1 (2009) shall be provided at the communication device that states that this is an emergency phone and lists the building address and the floor number of the
4. Lighting Requirements. The elevator lobby shall be illuminated in accordance with IBC Section 1008 (Means of Egress Illumination).

5. Compatibility with Accessibility Requirements. All doors into the elevator lobby area from normally occupied areas shall have accessible hardware compatible with the requirements of ICC A117.1 (2009) Sections 308 and 404.2.6 on each side of the door.

6. Elevator Lobby Refuge Areas or Elevator Lobby Area of Rescue Assistance. When an elevator lobby is used as an area of refuge or area of rescue assistance, all of the following conditions shall be met:
   a. Electric Lock Requirements. Electric locks shall be designed so that when they are released, the door will remain latched. The lock shall also be connected to the Electric Locks – Master Switch.
   b. Door and Door Hardware Requirements. All doors opening into elevator lobby refuge areas shall be 45-minute fire-protection rated assemblies as required by DBC Table 716.5. 716.1. (2) All hardware necessary to maintain the fire rating of the door shall be listed and approved fire door hardware. All hardware installed on the rated door and frame assembly shall be compatible with the manner in which the door was manufactured and shall not reduce the fire rating of the assembly. Field or other modification of rated doors and frames is prohibited unless approved in writing by the agency which labeled the fire-rated assembly.
   c. Securing Doors Leading into the Elevator Lobby. Doors leading into the lobby refuge area from normally occupied areas shall be readily openable from the normally occupied side without the use of a key or special knowledge or effort.
   d. Refugee Area or Area of Rescue Assistance Subdivision. A refugee area or area of rescue assistance, which includes the elevator lobby and the corridors that connect the lobby to the exit stairways, shall remain as one open area without restriction of movement within the refugee area or area of rescue assistance.

Note: Show the proposal using strikethrough, 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:

The 2018 IBC does not specify provisions for a secured elevator lobby. Therefore, the language from Appendix Q, Section Q106 has been duplicated to Chapter 10 of the Denver Building Code Amendments with minor revisions to reference the correct code sections. The code language in Q106 has been generated from the requirements of NFPA 101 (relocated code section from Appendix Q to DBC-IBC Chapter 10).

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:

Click or tap here to enter text.

List any new referenced standards that are proposed to be referenced in the code.
**Impact:**
Click or tap here to enter text.

*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:**
Click or tap here to enter text.

*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