Code Amendment Proposal Form
For public amendments proposed to the 2018 editions of the International Codes

Instructions: Upload this form and all accompanying documentation at www.denvergov.org/BuildingCode. If you are submitting your proposal on a separate sheet, make sure it includes all information requested below.

All proposals must be received by April 26, 2019.

CONTACT INFORMATION
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Please use a separate form for each proposal.

1) Code(s) associated with this proposal. Please use acronym: DBC-IFC
   If you submitted a separate coordination change to another code, please indicate which code: ________________

   Acronym       Code Name
   DBC-AP        Denver Building Code–Administrative
                 Provisions
   DBC-xxxx      Denver Building Code–xxxx (code) amendments (e.g., DBC-IBC,
                 DBC-IEBC)
   IBC           International Building Code
   IEBCC         International Existing Building Code
   IECC          International Energy Conservation Code
   Acronym       Code Name
   IFC           International Fire Code
   IFGC          International Fuel Gas Code
   IGCC          International Green Construction Code
   IMC           International Mechanical Code
   IPC           International Plumbing Code
   IREC          International Residential Code

2) Please check here if a separate graphic file is provided: ☐
   Graphics may also be embedded within your proposal below.

3) Use this template to submit your proposal or attach a separate file, but please include all items requested below in your proposal. The only formatting needed is BOLDING, STRIKETROUGH AND UNDERLINING. Please do not provide additional formatting such as tabs, columns, etc., as this will be done by CPD.

   Code Sections/Tables/ Figures Proposed for Revision:
   DBC-IFC 909.15.1.3

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

   Proposal:
   909.15.1.3 Design. The air volume introduced into the stairway shall be as follows: 15 floors or less, at least 1,000 500 cfm per floor; 16 floors or more, at least 15,000 7,500 cfm, plus 200 cfm per floor in excess of 15 floors with 1.0 inch water column static pressure minimum at the duct penetration into the stairway.
to comply with the requirements of Section 909.13, dynamic static pressure control shall be provided for stairway pressurization fans. Based on demonstrated performance of the building, the dynamic static pressure controls. VFD fan speeds are permitted to be tuned and set to a fixed value air for the stairways serving buildings where the uppermost occupied floor is more than 120 feet above the lowest level of fire department vehicle access shall be introduced into the stairway at a minimum of two injection points. One injection point shall be located not more than 50 feet above the grade plane. In buildings where the uppermost landing of an exit enclosure serves an occupiable floor located more than 250 feet above the lowest level of fire department vehicle access, an engineered design shall be required.

**Supporting Information:**

Over the past 4 years and 20 SCS commissioning projects that we have done, we currently run most fans at 12Hz to 24Hz (20% to 40%). And it has been proven that fixed speeds of stairwell pressurization fans has been the best long-term solution – this is especially true with the new DFD requirement to make sure the 1st floor stair doors that open out will close against the stairwell pressure.

Note: This section MUST include these items:

- **Purpose:** Save on costs & resources.
- **Reasons:** Fans are sized far too big for the purpose.
- **Substantiation:** See above supporting info..
- **Bibliography:** NA.

**Referenced Standards:**

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

**Impact:**

Note: Discuss the impact of this proposal in this section AND indicate the impact of this amendment proposal for each of the following:

- The effect of the proposal on the cost of construction: ☐ Increase ☒ Reduce ☐ No Effect
- The effect of the proposal on the cost of design: ☐ Increase ☒ Reduce ☐ No Effect
- Is the proposal more or less restrictive than the I-codes: ☐ More ☐ Less ☒ Same

**Departmental Impact:** (To be filled out by CPD staff)

Note: CITY STAFF ONLY. Discuss the impact of this proposal in this section AND indicate the impact of this amendment proposal for each of the following:

- The effect of the proposal on the cost of review: ☐ Increase ☐ Reduce ☒ No Effect
- The effect of the proposal on the cost of enforcement/inspection: ☐ Increase ☐ Reduce ☒ No Effect