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: Vince Anderson Date: 3/18/2019

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>
<th>Code Name</th>
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<th>Code Name</th>
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</thead>
<tbody>
<tr>
<td>DBC-xxx</td>
<td>Denver Building Code– xxx code base</td>
<td>IFGC</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 2303.2.2

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

Proposal:

Delete 2016 DBC Sec. 2303.2.2 in its entirety.

SECTION 2303
MINIMUM STANDARDS AND QUALITY
Sections 2303.2.2 Other means during manufacture is amended as follows:

2303.2.2 Other means during manufacture. For wood products impregnated with chemicals by other means during manufacture, the treatment shall be an integral part of the manufacturing process of the wood product. The treatment shall provide permanent protection to all surfaces of the wood product. The use of paints, coatings, stains or other surface treatments shall not be permitted.

Note: Show the proposal using strikeout, 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:

Purpose: The 2018 IBC Sec. 2303.2.2 – Other means during Manufacture, has been updated to include the language in 2016 DBCA Sec. 2303.2.2.

Reasons: The 2018 IBC in Sec. 2303.2.2 includes language requiring that FRTW - fire retardant treated wood and other treatment methods such as pressure treated lumber be performed by a manufactured process involved chemical impregnation which typically includes placing...
the wood materials in a pressure vessel including elevated temperature under pressure over a certain time period so that all portions of the wood members are thoroughly impregnated with the chemical compounds.

**Substantiation:** Only manufacturer processes that undergo a chemical temperature and pressure impregnation process over a certain amount of time can produce a quality material that retains the FRTW or pressure treatment over the long term throughout the entire wood members matrix. Merely applying topical coatings to the surface of a wood member only coats the wood cells on the surface and does Not impregnate the wood cell structure below the surface of the wood member. Only a manufacturers pressure and temperature impregnated process over several hours or days can infuse the desired chemicals throughout the entire wood members matrix at depth under 50 psi minimum pressure.

**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.

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**Referenced Standards:**
Refer to 2018 IBC Sec. 202 “Treated Wood” definition, IBC Sec. 2303.2 reference to ASTM E84, UL 723, and AWPA – American Wood Protection Association references in IBC Chapter 35.

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

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**Impact:**

**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:**
The requirement for manufactures process impregnation is now clearly stated in 2018 IBC Sec. 2303.2.

**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