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](http://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**

Name: Peter Monroe Phone: 303-623-4927
Organization: Monroe & Newell Engineers

By signing below, I hereby grant and assign to City and County of Denver all rights in copyright I may have in any authorship contributions I make to City and County of Denver in connection with this proposal. I understand that I will have no rights in any City and County of Denver publications that use such contributions in the form submitted by me or another similar form and certify that such contributions are not protected by the copyright of any other person or entity.

Signature:

**AMENDMENT PROPOSAL**

Please use a separate form for each proposal.

1) Code(s) associated with this proposal. Please use acronym:

If you submitted a separate coordination change to another code, please indicate which code: **NIA**

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Denver Building Code-xxxx (code) amendments</td>
</tr>
<tr>
<td>DBC-xxxx</td>
<td>(e.g., DBC-IBC, DBC-IEBC)</td>
</tr>
<tr>
<td>IBC</td>
<td>International Building Code</td>
</tr>
<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
</tr>
<tr>
<td>IECC</td>
<td>International Energy Conservation Code</td>
</tr>
<tr>
<td>IFC</td>
<td>International Fire Code</td>
</tr>
<tr>
<td>IFGC</td>
<td>Fuel Gas Code</td>
</tr>
<tr>
<td>IGCC</td>
<td>International Green Construction Code</td>
</tr>
<tr>
<td>IMC</td>
<td>International Mechanical Code</td>
</tr>
<tr>
<td>IPC</td>
<td>International Plumbing Code</td>
</tr>
<tr>
<td>IRC</td>
<td>International Residential Code</td>
</tr>
</tbody>
</table>

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**, **STRIKOUT** 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:** R302.2.6

**Structural independence**

**Note:** If the proposal is for a new section, indicate (new).
**Proposal: Add Exception 6**

**Exception 6. Exterior common wall framing used for lateral resistance.**

Note: Show the proposal using **strikeout**, _underlining_ format. At the start of each section, give one of the following instructions:

- Revise as follows:
- Add new text as follows:
- Delete and substitute as follows:

- Delete without substitution:

**Supporting Information:**

The purpose of this amendment is to ensure structural continuity for townhomes using conventional framing with common exterior shear walls of adjacent units. The reason to allow this type of construction which is common in Denver is many townhome units have short exterior wall segments that are too short to use as shear walls on their own. However, if they are combined with walls from an adjacent unit the walls have sufficient length to be used as conventional shear walls. This would reduce the need to use alternate framing such as proprietary shear walls, concrete columns, or steel frames. Please reference the attached drawings where proprietary Simpson Strongwall shear walls and concrete columns are used for adjacent units where a conventional shear wall could be utilized if this exception is allowed.

**Bibliography:**

- Second Floor Framing Plan, Aria Townhomes, Denver, CO
- Second Floor Framing Plan, 3735-3737 Kalamath Street Townhomes, Denver, CO

Note: This section MUST include these items:

- **Purpose:** 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. to reflect physical, environmental and customary characteristics that are specific to the City and County of Denver)
- **Reasons:** Clearly justify the change to 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 that clearly shows why the current code does not reflect physical, environmental and customary characteristics that are specific to the City and County of Denver and explains how such proposal will improve the code.
- **Substantiation:** 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:** Include a bibliography when substantiating material is associated with the amendment proposal. The proponent shall make the substantiating materials available for review.

**Referenced Standards:**

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

**Impact:** The intent of this amendment is to enable typical wood framing methods to be used for townhome construction where sufficient exterior shearwall lengths are available without affecting the overall intent of providing structural independence of townhouses.

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: D Increase IZI Reduce D No Effect
- The effect of the proposal on the cost of design: D Increase IZI Reduce D No Effect
- Is the proposal more or less restrictive than the I-codes: D More IZI Less D 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: D Increase D Reduce D No Effect
- The effect of the proposal on the cost of enforcement/inspection: D Increase D Reduce D No Effect
WOOD FRAMING NOTES

1. ALL WOOD FRAMING JOISTS SHALL BE BO 6500 TYPE JOISTS
   AS MANUFACTURED BY BOISE CORPORATION. ALTERNATES
   SHALL HAVE EQUAL OR GREATER CAPACITY AND SHALL BE
   REVIEWED BY THE ENGINEER OF RECORD.

2. "VL" INDICATES VERSA-LAM BEAMS, AS MANUFACTURED BY BOISE
   CORPORATION. ALTERNATES SHALL HAVE THE SAME OR GREATER
   CAPACITY AS LISTED IN THE STRUCTURAL GENERAL NOTES.

3. □ INDICATES COLUMN DOWN ONLY. MULTIPLE 2X FRAMING NOTED
   ON PLANS.

4. ■ INDICATES COLUMN UP AND DOWN UNLESS IT BEARS ON

SECOND FLOOR FRAMING/SHOOTING

1/4" = 1'-0"

1. INDICATES TOP OF BEAM ELEVATION OR PLATE HEIGHT ELEVATION.

6. ▼ INDICATES TOP OF STRUCTURAL/FLOOR SHEATHING/ELEVATION.
7. HEADERS SHALL BE (3)-2X8 UNLESS NOTED OTHERWISE. ALL HEADERS SHALL BE BUILT OUT TO 5 1/2" (311/2") WIDTH BY ADDING PLYWOOD SPACERS AS REQUIRED.

8. ALL COLUMNS SHALL BE (3)-2X6 IN 2X6 WALLS AND (6)-2X4 IN 2X4 WALLS UNLESS NOTED OTHERWISE.

9. WOOD COLUMNS SHALL BE CONTINUOUS FROM FLOOR TO FLOOR OR FLOOR TO ROOF. TRIMMERS SHALL BE ADDED TO NOTED COLUMN SIZES AS REQUIRED.

10. @ INDICATES INTERIOR BEARING WALLS.

11. REFER TO WALL SCHEDULE FOR STUD SIZE AND SPACING.

12. ALL BEAM/BEAM AND BEAM/COLUMN CONNECTIONS SHALL BE MADE WITH SIMPSON STEEL PLATE CONNECTORS UNLESS NOTED OTHERWISE.

13. RE: ARCHITECTURAL DRAWINGS FOR LOCATION AND SIZE OF ROUGH OPENINGS IN WOOD STUDWALLS.

14. RE: ARCHITECTURAL DRAWINGS FOR HANDRAIL AND STAIR FRAMING DETAILS.

15. @ DENOTES SHEAR WALL TYPE AND @: SCHEDULES1.00
A CONCRETE COLUMN IS NEEDED HERE
These walls could be combined to be part of the foundation with a unit of the walls could be combined to be part of the foundation.
<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8’-4”</strong></td>
<td><strong>20’-4 1/2”</strong></td>
<td><strong>8’-4”</strong></td>
<td><strong>20’-4 1/2”</strong></td>
</tr>
</tbody>
</table>

COMMON WOOD SHEARWALL

USED WITHOUT CONCRETE COLUMNS
TREATED WOOD.