



# DENVER AMENDMENT PROPOSAL FORM FOR PROPOSALS TO THE 2019 DENVER BUILDING CODE AMENDMENTS AND THE 2021 INTERNATIONAL CODES

**DENVER**  
THE MILE HIGH CITY

## 2021 CODE DEVELOPMENT CYCLE

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2) One proposal per this document is to be provided with clear and concise information.

Is a separate graphic file provided ( "X" to answer): \_\_\_ Yes or X No

3) Highlight the code and acronym that applies to the proposal

<u>Acronym</u>	<u>Code Name</u>	<u>Acronym</u>	<u>Code Name</u>
DBC-AP	Denver Building Code–Administrative Provisions	IPC	International Plumbing Code
IBC	International Building Code	IRC	International Residential Code
IECC	International Energy Conservation Code	IFGC	International Fuel Gas Code
IEBC	International Existing Building Code	IMC	International Mechanical Code
IFC	International Fire Code	<b>DGC</b>	<b>Denver Green Code</b>

## AMENDMENT PROPOSAL

Please provide all the following items in your amendment proposal.

**Code Sections/Tables/Figures Proposed for Revision:**

**Instructions:** If the proposal is for a new section, indicate (new), otherwise enter applicable code section.

(New)Applicable to all new construction projects (Residential and Commercial)

**Proposal:**

**Instructions:** Show the proposal using ~~strikeout~~, underline format.

**Place an "X" next to the choice that best defines your proposal:** \_\_\_ Revision X New Text \_\_\_ Delete/Substitute \_\_\_ Deletion

901.6.1 (9.6.1) Design for Deconstruction (Elective)

Project shall be designed for adaptability and disassembly at end of life, complying with three of the following code sections:

- a. Section 901.6.2 Building Records
- b. Section 901.6.3 Building Materials Disclosure
- c. Section 901.6.4 Design for Durability, Adaptability, and Disassembly
- d. Section 901.6.5 Procurement of Salvaged Materials

901.6.2 (9.6.2) Building Records: A complete copy of the building records, including as-built plans, specifications, coordinating calculations, and supporting reports shall be provided to the building project owner upon completion.

901.6.3 (9.6.3) Building Materials Disclosure: Documentation of building materials shall be provided in a table of procured materials and components used for all structural elements, building enclosure, and interior finishes including manufacturer, name, and model of each major material installed onsite.

901.6.4 (9.6.4) Design for Durability, Adaptability, and Disassembly: The building project shall use any combination of the following methodologies to provide one design element per 5,000 SF of the building project's GFA, or a minimum of 10, whichever is greater.

- \_\_\_\_\_ a. modular components,
- \_\_\_\_\_ b. prefabricated elements,
- \_\_\_\_\_ c. multi-functional assemblies that limit raw materials,

- d. standardized fastening systems,
- e. mechanical connections in lieu of chemical adhesives,
- f. demountable partitions,
- g. Cradle to Cradle ® Certified materials,
- h. materials made from a single raw material as to avoid composite materials with adhesive or chemical bonding

901.6.5 (9.6.5) Procurement of Salvaged Materials: A minimum of 5% of building materials or products installed, based on cost, shall be salvaged materials.

**Supporting Information:**

All proposals must include a written explanation and justification as to how they address physical, environmental, and/or customary characteristics that are specific to the City and County of Denver. The following questions must be answered for a proposal to be considered.

- Purpose: What does your proposal achieve?  
Provide thoughtful design of building projects so that they can be deconstructed at the end of life or be candidates for adaptive reuse. A provision for closing the loop on reclaimed and salvaged materials supports a related proposal for Dwelling Units for Deconstruction.
  
- Reason: Why is your proposal necessary?  
A building’s life cycle is becoming a design factor during early conceptual phase, as project teams are deliberately planning for the building’s end of life or change in occupancy. This proposal gives credit to teams who integrate the circular economy of buildings into early design and material selection.
  
- Substantiation: Why is your proposal valid? (i.e. technical justification)  
The intent is to maximize the life of buildings or facilitate the ease of extracting materials for reuse. This must be an active decision early in project development to be viable. By having this elective proposal, teams may consider this aspect of building life cycle which would make a significant reduction to the total demolition waste at end of life.

**Bibliography and Access to Materials** (as needed when substantiating material is associated with the amendment proposal):

- Design for Deconstruction, CIB: <https://www.irbnet.de/daten/iconda/CIB1456.pdf>
- Green Globes for New Construction, Credit 3.5.6.3 Deconstruction and Disassembly: <https://thegbi.org/training/user-resources/downloads/?topic=Green+Globes+NC>
- Google Deconstruction and Reuse: <https://emf.thirdlight.com/link/v6gyhiosqs7-s9k2oe/@/preview/1>
- <https://www.nrel.gov/buildings/circular-economy.html>
- [https://living-future.org/wp-content/uploads/2019/08/LBC-4\\_0\\_v13.pdf](https://living-future.org/wp-content/uploads/2019/08/LBC-4_0_v13.pdf)

**Other Regulations Proposed to be Affected:**

**\*For proposals to delete content from the 2019 Denver Green Code in conjunction with adding it to other mandatory Denver codes and/or regulations, only.**

Please identify which other mandatory codes or regulations are suggested to be updated (if any) to accept relocated content.

**Referenced Standards:**

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

**Impact:**

How will this proposal impact cost and restrictiveness of code? (“X” answer for each item below)

- Cost of construction:     Increase    \_\_\_ Decrease    \_\_\_ No Impact – cost may be negligible over time
- Cost of design:             Increase    \_\_\_ Decrease    \_\_\_ No Impact
- Restrictiveness:          Increase    \_\_\_ Decrease    \_\_\_ No Impact