



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	DGC	Denver Green Code

AMENDMENT PROPOSAL

Please provide all the following items in your amendment proposal.

Code Sections/Tables/Figures Proposed for Revision: IBC 1010.2.12

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

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

Add new text as follows.

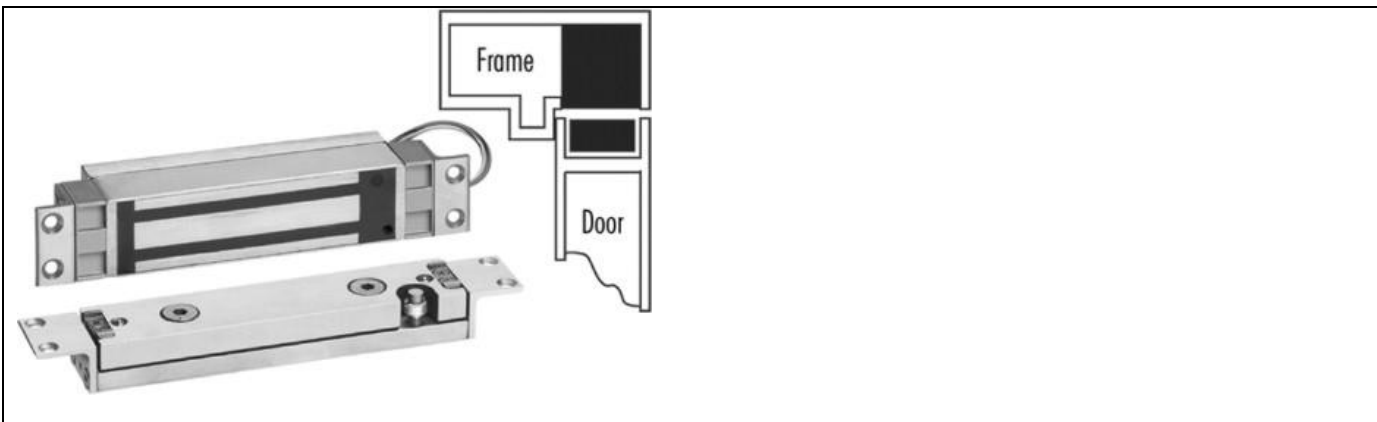
Section 1010.2.12 Sensor release of electrically locked doors is amended by adding criteria number 9:

9. Shear-type magnetic locks shall not be installed, altered or repaired.

Supporting Information (Required):

This proposal brings back a section from the 2016 DBCA Appendix Q that was deleted and not accounted for in the 2019 DBCA. Adding this section back into the 2022 DBCA will clarify that shear-type magnetic locks shall not be installed, altered or repaired. The addition of this amendment shall be reviewed in conjunction with the proposal to add the definition for shear-type magnetic locks to DBCA Section 202.

“A variation on the magnetic lock designed for high-aesthetic environments is the magnetic shear lock. This places the magnetic lock in the top of the door frame facing down, and the armature is mortised into the top of the door. The magnet draws the armature up to lock the door, and when released, the armature falls back into the top of the door, allowing the door to open. Magnetic shear locks should be used with caution because they have been known to experience mechanical failure, usually related to door [misalignment](#). The result nonetheless is often that the door cannot be opened when the lock fails. It is inadvisable to use magnetic shear locks in any path of fire egress and especially on single doors in the path of egress where the failure of the lock could result in the inability of people to exit in a fire. Use of magnetic shear locks should be avoided unless the door in question is not a fire exit door, absolutely nothing else will work, and the door is not the only exit from the area (see figure to follow).”



Bibliography: The above excerpt has been quoted from www.sciencedirect.com.

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 X No Impact

Cost of design: ___ Increase ___ Decrease X No Impact

Restrictiveness: X Increase ___ Decrease ___ No Impact

Departmental Impact (City use only):

This amendment proposal increases/decreases/is **neutral** to the cost of plans review.

This amendment increases/decreases/is **neutral** to the cost of inspections.