Central Iowa Code Consortium - Code Proposal Form

Note - Each code section proposal must be submitted on a separate form

Untitled Title

Name: *

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Organization

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Code Book *

Resource for code content - https://codes.iccsafe.org/public/collections/I-Codes

IBC - International Building Code

Code Section *

See example below. DO NOT INCLUDE ANY LEADING ALPHA CHARACTERS! Resource for code language - https://codes.iccsafe.org/public/collections/I-Codes

1807.1.5

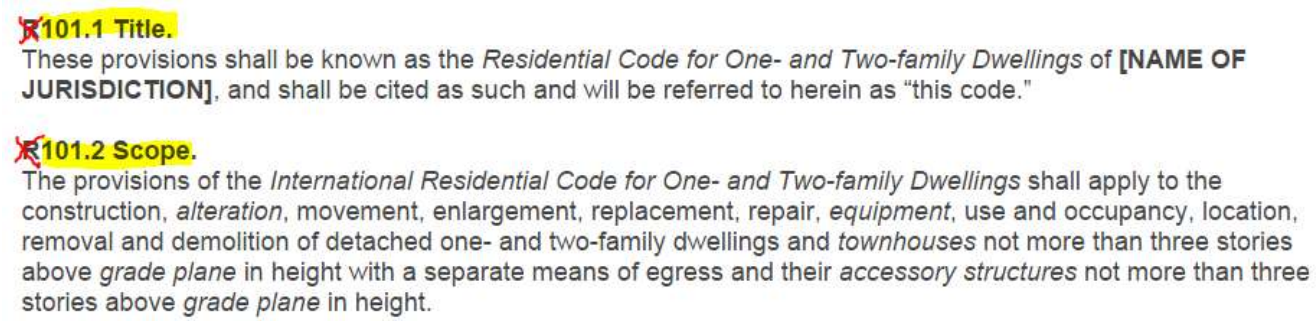
Is this an Appendix Chapter? *

- ○ Yes
- ◉ No

If yes, which appendix?

Allowing Alpha Characters

Code Section Example



101.1 Title.
These provisions shall be known as the *Residential Code for One- and Two-family Dwellings* of **[NAME OF JURISDICTION]**, and shall be cited as such and will be referred to herein as "this code."

101.2 Scope.
The provisions of the *International Residential Code for One- and Two-family Dwellings* shall apply to the construction, *alteration*, movement, enlargement, replacement, repair, *equipment*, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and *townhouses* not more than three stories above *grade plane* in height with a separate means of egress and their *accessory structures* not more than three stories above *grade plane* in height.

Type of proposal *

Amend - Edit current section - change words | Delete - Remove section | Insert - Add text to existing section

- ○ Modification
- ○ Deletion
- ◉ Addition

Does this proposal impact other codes? *

- ○ Yes
- ◉ No

If yes, indicate which code and code section?

_____

Does this proposal relate to a previously accepted CICC amendment? *

- ○ Yes
- ◉ No

If yes, which previously accepted CICC amendment?

_____

Modification

Existing Text *

Full text as it is printed in the Code. Book Resource for code language - https://codes.iccsafe.org/public/collections/I-Codes

Proposed Text *

Deletion

This text is being proposed to be struck from the adopted code.

Existing Text to be struck *

Resource for code language - https://codes.iccsafe.org/public/collections/I-Codes

Addition

This text is being proposed to be added to the 2018 International Code for adoption by local municipalities.

Provide your new proposed code to be added to the existing code as cited above. *

Exceptions:

1. Concrete and masonry foundation walls shall be permitted to be designed in accordance with Section 1807.1.6 or;
2. Concrete and masonry foundation walls shall be permitted to be designed in accordance with the following Table 'Foundation Walls for Conventional Light Frame Construction' may be used:

Table - 'Foundation Walls for Conventional Light Frame Construction'

Height of Foundation Wall (Net measured from top of basement slab to top of foundation wall)*		Thickness of Foundation Walls		Reinforcement type and placement within Foundation Wall**		Reinforcement type and placement within Foundation Wall** (maximum 12' span between corners and supporting cross walls.)	Type of Mortar
Unit							
Gross	Net	Concrete	Masonry	Concrete	Masonry	Masonry	
8	7' 8"	7 ½"	8"	½"horizontal bars, placement in the middle, and near the top & bottom – ½" bars @ 6' max. vertically		0.075 square inch bar 8' o.c. vertically in fully grouted cells. If block is 12" nominal thickness, may be unreinforced.	Type M or S. Grout & Mortar shall meet provisions of Chapter 21 IBC
9	8' 8"	8"	See Chapter 18 IBC	½" bars 2' o.c. horizontally & 20" vertically o.c. (5/8" bars 2' o.c. horizontally & 30" vertically o.c.)	See Chapter 18 IBC	Same as above	
10	9' 8"	8"	See Chapter 18 IBC	See Chapter 18 IBC		Same as above	

*Concrete floor slab to be nominal 4". If such floor slab is not provided prior to backfill, provide 1) 36" vertical #4 rebar embedded in the footing @ maximum 7' O.C. spacing -and/or- 2) full depth nominal 2"depth x 4"width keyway in footing

** All reinforcement bars shall meet ASTM A6175 grade 40 minimum and be deformed. Placement of bars shall be in center of wall and meet the provisions of 18, 19, and 21 of the International Building Code.

NOTE: Cast in place concrete shall have a compressive strength of 3,000 lbs @ 28 days. Footings shall contain continuous reinforcement of 2 – ½" diameter rebar throughout. Placement of reinforcement and concrete shall meet the requirements of Chapter 19 of the International Building Code.

NOTE: Material used for backfilling shall be carefully placed granular soil of average or high permeability and shall be drained with an approved drainage system as prescribed in Section 1805.4 of the International Building Code. Where soils containing a high percentage of clay, fine silt or similar materials of low permeability or expansive soils are encountered or where backfill materials are not drained or an unusually high surcharge is to be placed adjacent to the wall, a specially designed wall shall be required.

Note: Foundation plate or sill anchorage shall be installed in accordance with the respective codes as applicable.

Justification for Proposal

Provide reason to support your proposal based on the safety impact, enfforceability, cost effectiveness, or unique location conditions

Justification *

NOTE: The new language is in a table but the proposal form doesn't allow for tables to be inserted.

The construction of foundation wall systems as described in the amendment has been accepted historically in the Des Moines Metro area for at least 30 years. Most recently about 14 years ago the 9 foot and 10 foot wall provisions were accepted by each community belonging to the MICCC group and have been widely recognized as the preferred method of construction. This amendment helps maintain these accepted practices. The region has not undergone any type of geophysical transformation to justify a change, as noted in the actual code, to the way foundation walls for conventional light frame construction can be built.

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