



DSA Structural Amendments under review are highlighted in GRAY

Template 21-31

2001 CBC - Chapter 21A
MASONRY

Section - 2107A - WORKING STRESS DESIGN OF
MASONRY

Subsection(s) - 2107A.2.2.1 - 2107A.2.2.6

1 2107A.2 Design of Reinforced Masonry.

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4 2107A.2.2 Reinforcement

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6 2107A.2.2.1 Maximum reinforcement size. The maximum
7 size of reinforcement shall be No. 9 bars. *The diameter of a bar*
8 *shall not exceed one fourth of the least dimension of a cell.* Maxi-
9 mum reinforcement area in cells shall be 4 percent of the cell area
10 without splices and 8 percent of the cell area with splices.

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13 3. Inside diameter of bend for No. 4 or smaller stirrups and ties
14 shall not be less than four bar diameters. Inside diameter of bend
15 for No. 5 or larger stirrups and ties shall not be less than that set
16 forth in Table 21A-G.

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19 2107A.2.2.6 Splices. *Splices may be made only at such points*
20 *and in such a manner that the structural strength of the member*
21 *will not be reduced.* The amount of lap of lapped splices shall be
22 sufficient to transfer the allowable stress of the reinforcement as
23 specified in Sections 2106A.3.4, 2107A.2.2.3 and 2107A.2.12. In
24 no case shall the length of the lap splice be less than 36 bar diame-
25 ters for compression or 48 bar diameters for tension.

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27 *Bars of size No. 8 and larger resisting tensile stresses shall be*

28 *spliced by welding or by approved mechanical connectors.*
29 Welded or mechanical connections shall develop 125 percent of
30 the specified yield strength of the bar in tension.

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