



DSA Structural Amendments under review are highlighted in GRAY

Template 21-21

2001 CBC - Chapter 21A
MASONRY

Section - **2106A - GENERAL DESIGN REQUIREMENTS**

Subsection(s) - **2106A.1.5.1 – 2106A.1.7**

1 **2106A.1.5 Multiwythe walls.**

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3 **2106A.1.5.1 General.** *All walls shall be reinforced as required*
4 *by Section 2106A.1.12.4.* All wythes shall be bonded by grout and
5 tied together by corrosion-resistant wall ties or joint reinforce-
6 ment conforming to the requirements of Section 2102A, and as set
7 forth in this section.

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9 **2106A.1.5.2 Wall ties in cavity wall construction.** Wall ties
10 shall be of sufficient length to engage all *the wythes to within*
11 *1 inch (25 mm) of the outside face.* The portion of the wall ties
12 within the wythe shall be completely embedded in mortar or grout.
13 The ends of the wall ties shall be bent to 90-degree angles with an
14 extension not less than 2 inches (51 mm) long. * * *

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16 There shall be at least one 3/16-inch-diameter (9.5 mm) wall tie
17 for each 2 square feet ($0.19 m^2$) of wall area. * * *

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20 **2106A.1.6 Vertical support.** Structural members providing
21 vertical support of masonry shall provide a bearing surface on
22 which the initial bed joint shall not be less than 1/4 inch (6 mm) or
23 more than 1 inch (25 mm) in thickness and shall be of noncombus-
24 tible material. *Masonry shall not be supported by wood members,*
25 *except as provided for in Sections 2316A.1 and 1633A.2.9, Item 5.*
26 *Arches and lintels supporting masonry shall be of noncombustible*
27 *material.*

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29 **2106A.1.7 Lateral support.** Lateral support of masonry may be
30 provided by cross walls, columns, pilasters, counterforts or but-

31 tresses where spanning horizontally or by floors, beams, girts or
32 roofs where spanning vertically. *Where walls are supported later-*
33 *ally by vertical elements, the stiffness of each vertical element*
34 *shall exceed that of the tributary area of the wall.*

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36 The clear distance between lateral supports of a beam shall not
37 exceed 32 times the least width of the compression area.