



DSA Structural Amendments under review are highlighted in GRAY

Template 21-25

2001 CBC - Chapter 21A
MASONRY

Section - 2106A - GENERAL DESIGN REQUIREMENTS

Subsection(s) - 2106A.2.3.3

2106A.2 Working Stress Design and Strength Design
Requirements for Unreinforced and Reinforced Masonry.

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1 **2106A.2.3.3 Walls and Piers.**

2
3 *Thickness of Walls.* For thickness limitations of walls as speci-
4 fied in this chapter, nominal thickness shall be used. Stresses shall
5 be determined on the basis of the net thickness of the masonry, with
6 consideration for reduction, such as raked joints.

7
8 *The thickness of masonry walls shall be designed so that allow-*
9 *able maximum stresses specified in this chapter are not exceeded.*
10 *Also, no masonry wall shall exceed the height or length-to-thick-*
11 *ness ratio or the minimum thickness as specified in this chapter*
12 *and as set forth in Table 21A-R, unless designed in accordance*
13 *with Section 2108A.2.4.*

14
15 *Piers.* Every pier or wall section which width is less than three
16 times its thickness shall be designed and constructed as required
17 for columns if such pier is a structural member. Every pier or wall
18 section which width is between three and five times its thickness or
19 less than one half the height of adjacent openings shall have all
20 horizontal steel in the form of ties except that in walls 12 inches
21 (305 mm) or less in thickness such steel may be in the form of hair-
22 pins.

1. The 2006 IBC will reference ACI 530-05/ASCE 5-05/TMS 402-05. DSA is not planning to adopt the empirical design provisions (Chapter 5) of this standard.
2. Amendment text on lines 1-13 has been codified in Title 24 since at least the 1984 annual supplement [was Section 2-2417 (c)] of the State Building Code.
3. Amendment text on lines 15-22 has been codified since at least the 1984 annual supplement [was Section 2-2417 (d)] of the State Building Code.

AVAILABLE EXCERPTS FROM PREVIOUS RULEMAKING RECORDS:

NONE