



DSA Structural Amendments under review are highlighted in GRAY

Template 21-37

2001 CBC - Chapter 21A  
MASONRY

Section - 2113A - MASONRY SCREEN WALLS

Subsection(s) - 2113A.1

1 **2113A.1 General.** Masonry units may be used in nonbearing  
2 decorative screen walls. Units may be laid up in panels with units  
3 on edge with the open pattern of the unit exposed in the completed  
4 wall.

5  
6 **1. Horizontal Forces.** The panels shall be capable of spanning  
7 between supports to resist the horizontal forces specified in Chap-  
8 ter 16A. Wind loads shall be based on gross projected area of the  
9 block.

10  
11 **2. Mortar Joints.** Horizontal and vertical joints shall not be  
12 less than 1/4 inch (6 mm) thick. All joints shall be completely filled  
13 with mortar and shall be “shoved joint” work. The units of a panel  
14 shall be so arranged that either the horizontal or the vertical joint  
15 containing reinforcing is continuous without offset. This continu-  
16 ous joint shall be reinforced with a minimum of 0.03 square inch  
17 (19 mm<sup>2</sup>) of reinforcing steel. Reinforcement may be embedded in  
18 mortar.

19  
20 **3. Reinforcing.** Joint reinforcing may be composed of two  
21 wires made with welded ladder or trussed wire cross ties. In calcu-  
22 lating the resisting capacity of the system, compression and ten-  
23 sion in the spaced wires may be utilized. Ladder wire reinforcing  
24 shall not be spliced and shall be the widest that the mortar joint  
25 will accommodate, allowing 1/2 inch (13 mm) of mortar cover.

26  
27 **4. Size of Panels.** The maximum size of panels shall be 144  
28 square feet (13.4 m<sup>2</sup>), with the maximum dimension in either  
29 direction of 15 feet (4572 mm).

30  
31 **5. Panel Support.** Each panel shall be supported on all edges  
32 by a structural member of concrete, masonry or steel. Supports at

33 *the top and ends of the panel shall be by means of confinement of*  
34 *the masonry by at least 1/2 inch (13 mm) into and between the*  
35 *flanges of a steel channel. The space between the end of the panel*  
36 *and the web of the channel shall be filled with resilient material.*  
37 *The use of equivalent configuration in other steel section or in ma-*  
38 *sonry or concrete is acceptable.*