



DSA Structural Amendments under review are highlighted in GRAY

Template 21-11

2001 CBC - Chapter 21A
MASONRY

Section - 2104A - CONSTRUCTION

Subsection(s) - 2104A.6.1.1.1 – 2104A.6.1.1.2

1 2104A.6 Grouted Masonry.

2 ● ● ● ●

3

4 **2104A.6.1.1 Reinforced grouted masonry.**

5

6 **2104A.6.1.1.1 General.** Reinforced grouted masonry is that
7 form of construction made with clay or shale brick or made with
8 solid concrete building brick in which interior joints of masonry
9 are filled by pouring grout around reinforcing therein as the work
10 progresses.

11

12 At the time of laying, all masonry units shall be free of dust and
13 dirt.

14

15 **NOTES:** 1. For rate of absorption, see Section 2104A.2. All units in
16 a masonry assembly shall have a compatible absorption rate.

17

18 2. For mortar, see Section 2103A.

19

20 3. See Section 2105A.3 for assumed masonry strength.

21

22 **2104A.6.1.1.2 Low-lift grouted construction.** Requirements for
23 construction shall be as follows:

24

25 1. All units in the two outer tiers shall be laid with full-shoved
26 head joint and bed mortar joints. Masonry headers shall not proj-
27 ect into the grout space.

28

29 2. The minimum grout space for low-lift grout masonry shall be
30 2-1/2 inches (64 mm). Floaters shall be used where the grout space

31 exceeds 5 inches (127 mm) in width. The thickness of grout be-
32 tween masonry units and floaters shall be a minimum of 1 inch (25
33 mm). Floaters shall be worked into fresh puddled grout using a vi-
34 brating motion until half of the floater is embedded in the grout.
35 All reinforcing and wire ties shall be embedded in the grout. The
36 thickness of the grout between masonry units and reinforcing shall
37 be a minimum of one bar diameter.

38
39 3. One tier of a grouted reinforced masonry wall may be car-
40 ried up 12 inches (305 mm) before grouting, but the other tier shall
41 be laid up and grouted in lifts not to exceed one masonry unit in
42 height. All grout shall be puddled with a mechanical vibrator or
43 wood stick immediately after placing so as to completely fill all
44 voids and to consolidate the grout. All vertical and horizontal steel
45 shall be held firmly in place by a frame or suitable devices.

46
47 4. If the work is stopped for one hour or more, the horizontal
48 construction joints shall be formed by stopping all tiers at the
49 same elevation, and with the grout 1/2 inch (13 mm) below the top.

50
51 5. Tothing of masonry walls is prohibited. Racking is to be
52 held to a minimum.

53
54 6. The tiers shall be bonded together with wall ties in accor-
55 dance with Section 2104A.6.1.1.3, Item 2.