



DSA Structural Amendments under review are highlighted in GRAY

Template 21-19

2001 CBC - Chapter 21A  
MASONRY

Section - 2105A - QUALITY ASSURANCE

Subsection(s) - 2105A.3.4

1 2105A.3 Compliance with  $f'_m$ .

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3  
4 2105A.3.4 Unit strength method. Verification by the unit  
5 strength method shall meet the following:

6  
7 1. *Masonry unit test.* Test the units prior to construction and  
8 test units during construction for each 5,000 square feet (465 m<sup>2</sup>)  
9 of wall area for compressive strength to show compliance with the  
10 compressive strength required in Table 21A-D; and

11  
12 **EXCEPTION:** Prior to the start of construction, prism testing may  
13 be used in lieu of testing the unit strength. During construction, prism  
14 testing may also be used in lieu of testing the unit strength and the grout  
15 as required by Section 2105A.3.4, Item 4.

16  
17 2. *Mortar and grout tests.* At the beginning of all masonry  
18 work, at least one test sample of the mortar and grout shall be tak-  
19 en on three successive working days and at least at one-week in-  
20 tervals thereafter. The samples shall be continuously stored in  
21 moist air until tested. They shall meet the minimum strength re-  
22 quirement given in Sections 2103A.3 and 2103A.4 for mortar and  
23 grout, respectively. Additional samples shall be taken whenever  
24 any change in materials or job conditions occur, or whenever in  
25 the judgment of the architect, structural engineer or the enforce-  
26 ment agency such tests are necessary to determine the quality of  
27 the material.

28  
29 Test specimens for mortar and grout shall be made as set forth in  
30 UBC Standards 21-16 and 21-18. In making the mortar test speci-  
31 mens, the mortar shall be taken from the unit soon after spreading.  
32 After molding, the molds shall be carefully protected by a covering

33 *which shall be kept damp for at least 24 hours, after which the*  
34 *specimens shall be stored and tested as required for concrete cyl-*  
35 *inders.*

36  
37 *In making grout test specimens, the masonry unit molds shall be*  
38 *broken away after the grout has taken its set, but before it has*  
39 *hardened. If an absorbent paper liner is used, the mold may be left*  
40 *in place until the specimen has hardened. The prisms shall be*  
41 *stored as required for concrete cylinders. They shall be tested in*  
42 *the vertical position.*