



DSA Structural Amendments under review are highlighted in GRAY

Template 21-18

2001 CBC - Chapter 21A  
MASONRY

Section - 2105A - QUALITY ASSURANCE

Subsection(s) - 2105A.3.1

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

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4 **2105A.3.1 Masonry core testing.** *Not less than two cores having*  
5 *a diameter of 6 inches (152 mm) shall be taken from each project.*  
6 *Two cores shall be taken from each building for each 5,000 square*  
7 *feet (465 m<sup>2</sup>) of the greater of the masonry wall area or the floor*  
8 *area or fraction thereof. The architect or structural engineer in re-*  
9 *sponsible charge of the project or his/her representative (inspec-*  
10 *tor) shall select the areas for sampling. One half of the number of*  
11 *cores taken shall be tested in shear. The shear wall loadings shall*  
12 *test both joints between the grout core and the outside wythes of*  
13 *the masonry. Core samples shall not be soaked before testing.*  
14 *Materials and workmanship shall be such that for all masonry*  
15 *when tested in compression, cores shall show an ultimate strength*  
16 *at least equal to the  $f'_m$  assumed in design, but not less than 1,500*  
17 *psi (10.34 MPa). When tested in shear, the unit shear on the cross*  
18 *section of the core shall not be less than  $2.5 \sqrt{f'_m}$  psi.*

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20 *Shear testing apparatus shall be of a design approved by the en-*  
21 *forcement agency. Visual examination of all cores shall be made to*  
22 *ascertain if the joints are filled.*

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24 *The project inspector or testing agency shall inspect the coring*  
25 *of the masonry walls and shall prepare a report of coring opera-*  
26 *tions for the testing laboratory files and mail one copy to the en-*  
27 *forcement agency. Such reports shall include the total number of*  
28 *cores cut, the location, and the condition of all cores cut on each*  
29 *project, regardless of whether the core specimens failed during*  
30 *cutting operation. All cores shall be submitted to the laboratory*  
31 *for examination.*