



DSA Structural Amendments under review are highlighted in GRAY

Template 19-09

**2001 CBC - Chapter 19A
CONCRETE**

**Section - 1905A - CONCRETE QUALITY, MIXING AND
PLACING**

Subsection(s) - 1905A.1.1 - 1905A.1.3

1 **1905A.1 General.**

2
3 **1905A.1.1** Concrete shall be proportioned to provide a required
4 average compressive strength, f'_{cr} as prescribed in Section
5 1905A.3.2, and satisfy the durability criteria of Section 1904A.
6 Concrete shall be produced to minimize frequency of strength be-
7 low f'_c as prescribed in Section 1905A.6.2.3.

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9 **1905A.1.2** Requirements for f'_c shall be based on tests of cylin-
10 ders made and tested as prescribed in Section 1905A.6.2.

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12 **1905A.1.3** Unless otherwise specified, f'_c shall be based on
13 28-day tests. If other than 28 days, test age for f'_c shall be as indi-
14 cated in design drawings or specifications.

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16 *Design drawings shall show specified compressive strength of*
17 *concrete f'_c for which each part of structure is designed.*

18
19 *The compressive strength used in design of normal-weight*
20 *aggregate concrete shall not be less than 3,000 psi (20.7MPa) ex-*
21 *cept that 2,500 psi (17.2MPa) concrete may be used in the design*
22 *of footings for light one-story wood- or steel-framed buildings or*
23 *other minor structures. In addition to these minima, the provisions*
24 *of Section 1904A.2 shall apply where concrete is exposed to freez-*
25 *ing and thawing exposure.*

26
27 *The compressive strength used in design of lightweight aggre-*
28 *gate concrete shall not be less than 3,000 psi (20.7 MPa). The*
29 *compressive strength used in the design of lightweight aggregate*
30 *structural concrete shall not exceed 4,000 psi (27.6 MPa) unless*
31 *specifically approved by the enforcement agency in accordance*
32 *with Section 1921A.2.4.2.*