



DSA Structural Amendments under review are highlighted in GRAY

Template 19-25

2001 CBC - Chapter 19A
CONCRETE

Section - 1908A - ANALYSIS AND DESIGN

Subsection(s) - 1908A.11.5 - 1908A.11.9.2

1 1908A.11 Concrete Joist Floor Construction.

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4 1908A.11.5 * * * Permanent burned clay or concrete tile fillers
5 shall be considered only as forms and shall not be included in the
6 calculations involving shear or bending moments.

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8 The thickness of the concrete slab on the permanent fillers shall
9 be designed as described in Section 1908A.11.6.

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12 1908A.11.6 Where removable forms or fillers are used, the thick-
13 ness of the concrete slab shall not be less than one twelfth of the
14 clear distance between joists and in no case less than 2-1/2 inches
15 (64 mm). Such slab shall be reinforced at right angles to the joists
16 with at least the amount of reinforcement required for flexure, con-
17 sidering load concentrations, if any, but in no case shall the rein-
18 forcement be less than that required by Section 1907A.12.

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20 1908A.11.6.1 [Not adopted by DSA.] Slab thickness shall not be
21 less than one twelfth the clear distance between ribs, and in no
22 case less than 2-1/2 inches (64 mm).

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24 1908A.11.6.2 [Not adopted by DSA.] Reinforcement normal to
25 the ribs shall be provided in the slab as required for flexure, con-
26 sidering load concentrations, if any, but not less than required by
27 Section 1907A.12.

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1908A.11.9 Concrete bridging shall be provided as follows: one near the center of spans from 20 to 30 feet (6096 mm to 9144 mm) and two near the third points of spans over 30 feet (9144 mm). Such bridging shall be either:

1908A.11.9.1 A continuous concrete web having a depth equal to the joist and a width not less than 3-1/2 inches (89 mm) reinforced with a minimum of one No. 4 bar in the top and bottom; or

1908A.11.9.2 Any other concrete element capable of transferring a concentrated load of 1,000 pounds (4.5 kN) from any joist to the two adjacent joists.

Such bridging shall not be required in roof framing if an individual member is capable of carrying dead load plus a concentrated load of 1,500 pounds (6.7 kN) at any point.