



DSA Structural Amendments under review are highlighted in GRAY

Template 25-03

2001 CBC - Chapter 25A
GYPSUM BOARD AND PLASTER

Section - 2501A.1 - SCOPE

Subsection(s) - 2501A.5.4 - 2501A.5.4.3

1 *2501A.5 Suspended Acoustical Ceiling Systems for Public*
2 *School, Hospital and State-owned or State-leased Essential Ser-*
3 *vices Buildings.*

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6 *2501A.5.4 Installation of components.*

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8 *2501A.5.4.1 Hangers. Hangers shall be attached to the bottom*
9 *edge of the wood joists or to the vertical face of the wood joists*
10 *near the bottom edge. Bottom edge attachment devices shall be an*
11 *approved type.*

12
13 *In concrete construction, mount hangers using cast-in-place*
14 *hanger wires, hanger inserts, or other hanger attachment devices*
15 *shall be an approved type.*

16
17 *If hangers are spaced greater than 4 feet 0 inches (1219 mm),*
18 *reduce the load-carrying capacity of the ceiling suspension sys-*
19 *tem commensurate with the actual center-to-center hanger dis-*
20 *tances used.*

21
22 *Hangers shall be plumb and shall not press against conduits,*
23 *ducts, pipes or their covering material. If some hangers must be*
24 *splayed, offset the resulting horizontal force by bracing, counter-*
25 *splaying or other acceptable means.*

26
27 *Special attachment devices that support the carrying channels*
28 *or main runners shall be approved to support five times the design*
29 *load.*

30

31 **2501A.5.4.2 Ceiling fixtures.** *Fixtures installed in acoustical*
32 *tile or lay-in panel ceilings shall be mounted in a manner that will*
33 *not compromise ceiling performance.*

34
35 *All recessed or drop-in light fixtures and grilles shall be sup-*
36 *ported directly from the fixture housing to the structure above with*
37 *a minimum of two 12 gage wires located at diagonally opposite*
38 *corners. Leveling and positioning of fixtures may be provided by*
39 *the ceiling grid. Fixture support wires may be slightly loose to al-*
40 *low the fixture to seat in the grid system. Fixtures shall not be sup-*
41 *ported from main runners or cross runners if the weight of the*
42 *fixtures causes the total dead load to exceed the deflection capa-*
43 *bility of the ceiling suspension system.*

44
45 *Fixtures shall not be installed so that the main runners or cross*
46 *runners will be eccentrically loaded.*

47
48 *Surface-mounted fixtures shall be attached to the main runner*
49 *with at least two positive clamping devices made of material with*
50 *aminimum of 14 gage. Rotational spring catches do not comply. A*
51 *12 gage suspension wire shall be attached to each clamping de-*
52 *vice and to the structure above.*

53
54 **2501A.5.4.3 Lay-in panels.** *Metal panels and panels weighing*
55 *more than 1/2 pound per square foot (24 N/m^2) other than acousti-*
56 *cal tile shall be positively attached to the ceiling suspension*
57 *runners.*