



DSA Structural Amendments under review are highlighted in GRAY

Template 25-04

2001 CBC - Chapter 25A
GYPSUM BOARD AND PLASTER

Section - 2501A.1 - SCOPE

Subsection(s) - 2501A.5.5 - 2501A.5.6.1

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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7 *2501A.5.5 Lateral design requirements. Suspended ceiling sys-*
8 *tems which are designed and constructed to support ceiling panels*
9 *or tiles, with or without lighting fixtures, ceiling-mounted air ter-*
10 *minals or other ceiling-mounted services shall comply with the re-*
11 *quirements of ASTM C 635 and C 636. Such ceiling systems and*
12 *their connections to the building structure shall be designed and*
13 *constructed to resist a lateral force specified in Chapter 16 of this*
14 *code.*

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16 *2501A.5.6 Minimum design loads.*

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18 *2501A.5.6.1 Grid members, connectors and expansion*
19 *devices. The main runners and cross runners of the ceiling system*
20 *and their splices, intersection connectors and expansion devices*
21 *shall be designed and constructed to carry a mean ultimate test*
22 *load of not less than 180 pounds (801 N) or twice the actual load,*
23 *whichever is greater, in tension and in compression with a*
24 *5-degree misalignment of the members in any direction. In lieu of*
25 *a 5-degree misalignment, the load may be applied with a 1-inch*
26 *(25 mm) eccentricity on a sample not more than 24 inches (610*
27 *mm) long on each side of the splice. The connection at splices and*
28 *intersections shall be of the mechanical interlocking types accept-*
29 *able to the enforcing agency.*
30

31 *Where the composition or configuration of ceiling systems*
32 *members or assemblies and their connections are such that calcu-*
33 *lations of their allowable load-carrying capacity cannot be made*
34 *in accordance with established methods of analysis, their per-*
35 *formance shall be established by tests acceptable to the enforcing*
36 *agency.*

37
38 *Evaluation of test results shall be made on the basis of the mean*
39 *values resulting from tests of not fewer than three identical speci-*
40 *mens, provided the deviation of any individual test result from the*
41 *mean value does not exceed plus or minus 10 percent. The allow-*
42 *able load-carrying capacity as determined by test shall not exceed*
43 *one half the mean ultimate test value.*

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