

SUPPLEMENT No. 2 TO MAY 30, 2006
EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
OFFICE OF THE STATE FIRE MARSHAL
REGARDING THE ADOPTION BY REFERENCE OF THE
2006 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC)
WITH AMENDMENTS INTO THE 2007 CALIFORNIA BUILDING CODE
CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 2.

Chapter 4

Removed language regarding "Post Secondary Education Intentions" and replaced with SFM scoping language.

443.1 Group L Laboratories. For applications listed in Section 111 regulated by the Office of the State Fire Marshal, Group L Occupancies shall include buildings and structures or portions thereof, used as laboratories for scientific experimentation or research having quantities of materials not in excess of those listed in Tables 307.1(1) and 307.1.(2) except as modified in this Section and not classified as Group B Occupancy. This occupancy shall be designed and constructed in accordance with the requirements for a Group B Occupancy except as specified in this Section.

Remove 443.8.1 through 443.8.6 these provisions are located in section 3414 new section 443.9 to provide a pointer to 3414 Existing Group L Occupancies.

443.9 Existing Group L Occupancies, Additions, Alternations or Repairs. See Section 3414.

Remove 443.8.7 this provision is located in section in 903.2.16

Chapter 5

This revision (504.2) supersedes the July 9, 2006 supplement to the initial May 30, 2006 Express Terms

504.2 Automatic sprinkler system increase. Where a building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, the value specified in Table 503 for maximum height is increased by 20 feet (6096 mm) and the maximum number of stories is increased by one. ~~These~~ increases are permitted in addition to the area increase in accordance with Sections 506.2 ~~and 506.3~~. *In other than high-rise buildings, Group A, E, H, I, L and R occupancies or other applications listed in Section 111 regulated by the Office of the State Fire Marshal, these increases are permitted in addition to the area increase in accordance with Section 506.3.* ~~For Group R buildings equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.2, the value specified in Table 503 for maximum height is increased by 20 feet (6096 mm) and the maximum number of stories is increased by one, but shall not exceed 60 feet (18 288 mm) or four stories, respectively.~~

Exceptions:

1. Fire areas with an occupancy in Group I-2 of Type IIB, III, IV or V construction.
2. Fire areas with an occupancy in Group H-1, H-2, H-3 or H-5.
3. Fire-resistance rating substitution in accordance with Table 601, Note e.
4. Fire areas with an occupancy in Group L
5. Fire areas with an occupancy in Licensed Group I-1 and R-4

Authority: Health and Safety Code Sections 13108, 13143, 13210

References: Health and Safety Code Sections 13143

Chapter 34

3411.6.1. Exit Ladder Devices

3411.6.1.1 Scope *This standard for exit ladder devices is applicable where such devices are permitted by the building official for installation on existing apartment houses and hotels in conformance with the California Building Code.*

3411.6.1.2 Instructions *Installation shall be in accordance with the manufacturer's instructions. Instructions shall be illustrated and shall include directions and information adequate for attaining proper and safe installation of the product. Where exit ladder devices are intended for mounting on different support surfaces, specific installation instructions shall be provided for each surface.*

3411.6.1.3 General Design *All load-bearing surfaces and supporting hardware shall be of noncombustible materials. Exit ladder devices shall have a minimum width of 12 inches (305mm) when in the position intended for use. The design load shall not be less than 400 pounds (1780N) for 16-foot (4877mm) length and 600 pounds (2699N) for 25-foot (7620mm) length.*

3411.6.1.4 Performance

3411.6.1.4.1 *Exit ladder devices shall be capable of withstanding an applied load of four times the design load when installed in the manner intended for use. Test loads shall be applied for a period of one hour.*

3411.6.1.4.2 *Exit ladder devices of the retractable type shall, in addition to the static load requirements of Section 3411.6.1.4.1, be capable of withstanding the following tests:*

1. Rung strength.
2. Rung-to-side-rail shear strength.
3. Release mechanism
4. Low temperature.

3411.6.1.5 Rung-Strength Test *Rungs of retractable exit ladder devices shall be capable of withstanding a load of 1,000 pounds (4448N) when applied to a 3-1/2-inch-wide (89mm) block resting at the center of the rung. The test load shall be applied for a period of one hour. The ladder shall remain operational following this test.*

3411.6.1.6 Rung-To-Side-Rail Shear Test *Rungs of retractable exit ladder devices shall be capable of withstanding 1,000 (4448N) when applied to a 3-1/2-inch-wide (89mm) block resting on the center rung as near the side rail as possible. The test load shall be applied for a period of one hour. Upon removal of the test load the fasteners attaching the rung to the side rail shall show no evidence of failure. The ladder shall remain operational following the test.*

3411.6.1.7 Release Mechanism Test *The release mechanism of retractable exit ladder devices shall operate with an average applied force of not more than 5 pounds (22.2N) for hand-operated releasing mechanisms and an average applied force of not more than 25 pounds (111N) for foot-pedal types of releasing mechanisms. For these tests, a force gauge shall be applied to the release mechanism, and the average of three consecutive readings shall be computed.*

3411.6.1.8 Low Temperature Operation Test *Representative samples of the exit ladder devices shall be subjected to a temperature of -40° C in an environmental chamber for a period of 24 hours. The release mechanism shall be operated immediately upon removal from the chamber. The ladder device shall function as intended without any restriction of operation*

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211

References: Health and Safety Code Sections 13143