

CHAPTER 85

ALTERNATIVE BUILDING STANDARDS FOR JOINT LIVING AND WORK QUARTERS

SECTION 8501 GENERAL

8501.1 Purpose. The purpose of this chapter is to provide alternative building standards for the conversion of Existing Buildings, or portions thereof, from commercial or industrial uses to Joint Living and Work Quarters. The alternative standards are designed to provide a reasonable level of safety to the building occupants, and are in conformance with the provisions of *California Health and Safety Code Section 17958.11*.

8501.2 Application. Nothing in this chapter shall be construed to allow the reduction of the seismic or fire and life safety elements of an Existing Building, where such elements provide a greater level of protection than the minimum requirements established by this chapter.

The alternative building standards of this chapter may be applied when the commercial or industrial uses in an Existing Building are converted (change of use or occupancy) to Joint Living and Work Quarters provided:

A. General Fire and Life Safety Requirements for All Existing Buildings. All Existing Buildings that are converted to Joint Living and Work Quarters shall comply or be made to comply with all of the building area, height, number of stories, type of construction, occupancy, means of egress and other fire and life safety requirements of this Code for a new building of the same use or occupancy, except as provided in this chapter.

B. Structural Requirements for all Existing Buildings. For all existing buildings, the change of occupancy or use of any portion of an Existing Building to a Joint Living and Work Quarters may be permitted provided the entire building complies or is made to comply with all the structural requirements in Section 8502.12 of this Code.

8501.3 Definition. For the purpose of this Chapter, certain terms are defined as follows:

ARTIST-IN-RESIDENCE. An artist or artists using a space within a building for combined living and artistic working purposes.

EXISTING BUILDING. A building for which a building permit was issued prior to April 1, 1994.

FEMA 352, "RECOMMENDED POST-EARTHQUAKE EVALUATION AND REPAIR CRITERIA FOR WELDED STEEL MOMENT-FRAME BUILDINGS." The June 2000 edition prepared by the partnership of the Struc-

tural Engineers Association of California, the Applied Technology Council, and the California Universities for Research in Earthquake Engineering (SAC) Joint Venture for the Federal Emergency Management Agency, Washington, DC.

JOINT LIVING AND WORK QUARTERS. A residential occupancy of one or more rooms or floors used as a dwelling unit with adequate work space reserved for, and regularly used by, one or more persons residing there pursuant to Health and Safety Code (H&S) Section 17958.11(a).

QUALIFIED HISTORICAL BUILDING. Any building deemed of importance to the history, architecture or culture of any area by an appropriate local, state or federal governmental jurisdiction. This shall include designated buildings on, or determined eligible for, official national, state or local historical registers or official inventories, such as the National Register of Historic Places, California Register of Historical Resources, State Historical Landmarks, State Points of Historical Interest, and officially adopted city or county registers, inventories, or surveys of historical or architecturally significant sites, places or landmarks.

STATE HISTORICAL BUILDING CODE. A set of code standards known as Part 8, *Title 24 of the California Code of Regulations and published as the California Historical Building Code*.

8501.4 General. A Joint Living and Work Quarters shall not be used for public sales purposes or for instructional classes when either is inconsistent with residential use. No hazardous activities such as, but not limited to, welding, open flame, or storage of flammable liquids shall occur in the Joint Living and Work Quarters.

Exception: In buildings three stories or less in height, activities such as welding, open flame, or minimal storage of flammable liquids may be allowed provided written approval is obtained from the Fire Department.

All buildings containing a Joint Living and Work Quarters shall have a sign posted in a conspicuous location at each entrance to the building. The sign shall be constructed of a durable weatherproof material and shall meet the requirements of Los Angeles Fire Department Standard No. 58. In the lower white diamond of the sign, a red colored letter "A" shall be placed so as to meet the size and letter thickness specified in the Los Angeles Fire Department Standard No. 58.

If any portion of an Existing Building is converted to a Joint Living and Work Quarters, then the entire building, including any portion not being converted, shall comply with all code requirements for a new building of the same use and type of construction except as provided in this chapter.

mitted to the Department by a person, holding a Certificate of Qualification as required by CBC Section 909.18, verifying that the performance criteria of the Department have been met.

8502.3.5 Additional smoke control requirements. Existing air conditioning and ventilation systems may be used as part of the smoke-control system. Existing return air plenum and approved fiberglass air ducts may be used as part of the smoke-control system. A smoke exhaust system shall be designed in a manner that will prevent smoke from going from one room to another, except when two or more rooms are connected together by means of a permanent unobstructed opening at least 20 square feet with a minimum three feet dimension, then the rooms shall be considered as one room for the purpose of designing the smoke-control system.

8502.4 Fire-extinguishing system. Fire sprinkler system, standpipe system, and water storage tank shall be provided as required for a new building of the same height, type of construction and occupancy, except that a high-rise building for which a building permit was issued prior to July 1, 1974 may comply with the fire safety standards of Section 8604 of this Code.

The fire sprinkler system, if required, shall be installed in accordance with NFPA 13 as adopted by the Plumbing Code.

8502.5 Fire alarm system. If a fire alarm system is required by CBC Section 907.2.9 or 403.4.2 for a new building of the same type of construction and occupancy, or installed at the option of the owner, then the entire building shall have fire alarm systems that are in full compliance with CBC Section 907.2.9. In a high-rise building, the fire alarm systems shall be supplied by a generator used as an emergency system in accordance with CBC Section 403.4.8. For all other buildings, an alternate source of power may be used provided it is approved by both the Fire Department and the Department.

High-rise buildings shall be provided with a central control station (fire command center) that complies with all the requirements of CBC Section 403.4.6 and LAMC Section 57.508, including the minimum room dimensions of 10 feet (3048 mm).

8502.6 Fire pumps and generator (combustion engines and gas turbines) rooms. In high-rise buildings, diesel or/and electric fire pumps shall be provided as required for a new building, except that a high-rise building for which a building permit was issued prior to July 1, 1974 may comply with Section 8604.6.5.

Fire pump and generator (combustion engines and gas turbines) rooms shall be separated with a minimum one hour occupancy separation from adjoining rooms and from each other.

Combustion air and room ventilation air shall be required by the Building and Mechanical Codes, except that the room ventilation exhaust may be considered as environmental air.

In rooms containing diesel fire pumps and generators, a flue venting system shall be provided which complies with

the requirements of Chapter 8 of the *Los Angeles Mechanical Code*, except that:

- A. Clearance from the flue venting system to any combustible material may be reduced to 6 inches (152.4 mm) if the vent is wrapped with an approved insulation equivalent to two hour fire-rated assembly for high-rise buildings and one hour fire-rated assembly for all other types of buildings, and
- B. The flue venting system may terminate at the exterior wall when installed in compliance with the exhaust system termination in NFPA 37, *Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines*.
- C. The flue venting system may terminate under the roof overhang, provided the exhaust outlet is located lower than the overhang by a distance equal to the projection of the overhang.

8502.7 Means of egress. The portion of the building converted to a Joint Living and Work Quarters shall be provided with means of egress as required by Chapter 10 of this Code for a new building, except that the alternative requirements of Sections 8502.7.1 through 8502.7.5 may be used in lieu of the requirements in Chapter 10 of this Code. An existing fire escape which is in good operating condition, may be used as a second means of egress, provided the fire escape does not serve as an exit for an assembly occupancy.

8502.7.1 Corridors. All public corridors serving the occupants of the Joint Living and Work Quarters shall comply with all the requirements of CBC Section 1020, except as follows:

- 1. Existing nonconforming fire-resistive walls and ceiling of a corridor constructed of wood lath and plaster, which are in good condition, may be acceptable as equivalent to the required one-hour fire-resistive construction.
- 2. Existing doors between the corridor and the Joint Living and Work Quarters that are part of the historic fabric of a Qualified Historical Building may be allowed to remain, provided approved smoke gaskets and self-closing and latching devices to prevent smoke penetration are installed on the door, or the existing door shall be replaced with a door conforming to the requirements of CBC Section 716.2.2.1.

8502.7.2 Dead-end corridors. An existing dead-end corridor which exceeds 20 feet (6.09 m) in length and serves the occupants of a Joint Living and Work Quarters may remain, provided the dead-end corridor complies with all of the following:

- A. The dead-end corridor shall be constructed as described above in Section 8502.7.1 for the full length of the dead-end corridor.
- B. The dead-end corridor shall not exceed 40 feet (12.192 m) in length.
- C. A door with a magnetic hold-open device shall be placed across the corridor to create a vestibule located furthest from the open end of the dead-end

