

CONSTRUCTION REQUIREMENTS

2009 IBC

SECTION 1101

GENERAL

1101.1 Scope. The provisions of this chapter shall apply to existing buildings constructed prior to the adoption of this code.

1101.2 Intent. The intent of this chapter is to provide a minimum degree of fire and life safety to persons occupying existing buildings by providing minimum construction requirements where such existing buildings do not comply with the minimum requirements of the International Building Code.

1102.1 Definition. The following term is defined in Chapter 2: Existing.

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SECTION 1104

MEANS OF EGRESS FOR EXISTING BUILDINGS

1104.1 General. Where the provisions of this chapter conflict with the building code that applied at the time of construction, the most restrictive provision shall apply. Existing buildings that were not required to comply with a building code at the time of construction shall comply with the minimum egress requirements when specified in Section 1104.2 through 1104.24

1104.24 Egress path markings. Existing high-rise buildings of Group A,B,E,I,M and R-1 occupancies shall be provided with luminous egress path marking in accordance with Section 1024.

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SECTION 1024

LUMINOUS EGRESS PATH MARKINGS

1024.1 General. Approved luminous egress path markings delineating the exit path shall be provided in high-rise buildings of Group A,B,E,I, M and R-1 occupancies in accordance with Sections 1024.1 through 1024.5

1024.2.1 Steps. A solid and continuous stripe shall be applied to the horizontal leading edge of each step and shall extend for the full length of the step. Outlining stripes shall have a minimum horizontal width of 1 inch.

1024.2.2 Landings. The leading edge of landings shall be marked with a stripe consistent with the dimensional requirements for steps.

1024.2.3 Handrails. All handrails and handrail extensions shall be marked with a solid and continuous stripe having a minimum width of 1 inch. The stripe shall be placed on the top surface of the handrail for the entire length of the handrail, including extensions and newel post caps. Where handrails or handrail extension bend or turn corners, the stripe shall not have a gap of more than 4 inches.

1024.2.4 Perimeter demarcation lines. Stair landings and other floor areas within interior exit stairways, interior exit ramps and exit passageways, with the exception of the sides of steps, shall be provided with solid and continuous demarcation lines on the floor or on the wall or a combination of both. The stripes shall be 1 to 2 inches with interruptions not exceeding 4 inches.

CHAPTER 2

DEFINITIONS

Existing. Buildings, facilities or conditions that are already in existence, constructed or officially authorized prior to the adoption of this code.

High-Rise Building. A building with an occupied floor located more than 75 feet above the lowest level of fire department vehicle access.

ASTM INTERNATIONAL (ASTM) E 2072

Establishes the minimum requirement for the illuminating light source (lights) in an enclosed high-rise stairwell and the minimum luminance value of the photoluminescent material in the dark after 10, 60 and 90 minutes of charging by the lights in the stairwell.

INTERNATIONAL FIRE CODE (IFC)

International Fire Code requirement adopted Jan. 1, 2009 establishes the minimum recommended requirement for photoluminescent markings in the stairwells of new AND existing high-rise buildings over 75 feet (5+) stories in height. Establishes the recommendation for photoluminescent markings on the steps, handrails, stair landings, egress path obstacles and exit doors of enclosed stairwells.

Questions? Call 1-855-723-6673