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NATIONAL STANDARD OF
THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准 **GB**

高层民用建筑设计防火规范

Code for Fire Protection Design of Tall Building

GB 50045-95

(2005)

Issued on May 03, 1995

Implemented on November 01, 1995

**Issued Jointly by: China State Bureau of Technical Supervision
Ministry of Construction P.R.China**

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Chief Editorial Department: Ministry of Public Security of People's Republic of China

Approved Department: Ministry of Construction of People's Republic of China

Date of Enforcement: November 1st, 1995

The Construction Administration
Department of People's Republic of China

Public Notice No. 361

The Notice of the Amendments to the National Standard “The Design Specification on the High-rise Residential Building for Fire Safety”

The amendments to “The Design Specification on the High-rise Residential Building for Fire Safety” GB 50045-95 (published in 2001) is approved as of today and shall be applicable since October 1, 2005. Among those the clauses 3.0.1, 3.0.2, 3.0.8, 4.1.2, 4.1.3, 4.1.12, 4.2.7, 4.3.1, 6.1.1, 6.1.11(1, 2, 3, 5, 6), 6.1.16, 7.4.2, 7.4.6(1, 2, 7, 8), 7.6.1, 7.6.2, 7.6.3, 7.6.4, 9.1.1, 9.1.4(1, 2, 3), 9.4.1, and 9.4.2 are mandatory and must be enforced. Meanwhile the previous rules become invalid after modification.

The amendments to the regulation and the details shall be published on “The Engineering and Construction Standard” magazine recently.

The Construction Administration Department of People's Republic of China
July 15,2005

The Public Notice of the Amendments to the Standards of Engineering and Construction

No. 28

The national standard “The Design Specifications on the Construction of the High-rise Residential Building for Fire Safety” GB 50045-95 has been amended by the Department of Public Security Sichuan Fire Control Instituted and examined by the associated offices. Clauses include No. 4.1.5A, No. 4.1.5A.1, No. 4.1.5A.2, No. 4.1.5A.3, No. 4.1.5A.4, No. 4.1.5A.5, No.4.1.5A.6, No.4.1.5B, No.4.1.5B.1, No.4.1.5B.2, No.4.1.5B.3, No.4.1.5B.4, No.4.1.5B.5, No.4.1.5B.6, No. 4.1.6, No. 6.1.3A, No.6.2.8, No.7.6.4, shall be applicable since May 1, 2001. The rules amended as mentioned above are mandatory and must be enforced. The previous rules become invalid after amendment and this is the public notice.

The Construction Administration Department of the People’s Republic of China
April 24, 2001

The Public Notice of the Amendments to the Standards of Engineering and Construction

No. 20

The national standard “The Design Specifications on the Construction of the High-rise Residential Building for Fire Safety” GB 50045-95 has been amended by the Department of Public Security Sichuan Fire Control Instituted and examined by the associated offices. We are hereby issuing approval of the amendments, which shall be applicable since May 1, 1999. The previous rules become invalid after amendment and this is the public notice.

The Construction Administration Department of the People’s Republic of China
March 8, 1999

The Public Notice of the Amendments to the Standards of Engineering and Construction

No. 8

The national standard “The Design Specifications on the Construction of the High-rise Residential Building for Fire Safety” GB 50045-95 has been amended by the Department of Public Security Sichuan Fire Control Institute and examined by the associates, which are approved and shall be applicable since September 1, 1997. The rules amended as mentioned above are mandatory and shall be enforced. The previous rules are invalid after amendment and publicly notified hereof.

The Construction Administration Department of the People’s Republic of China
June 24, 1997

Notification for Promulgation of National Standard “Code for fire protection design of tall buildings”

Jian Biao (1995) No. 265

According to the requirements of the document Ji Zong (1987) No.2390 of The State Planning Commission, “Code for Design High-rise Civil Building Fire Protection” drawn up together by Ministry of Public Security and other departments concerned has been jointly checked up by related departments. Presently ratify “Code for Design High-rise Civil Building Fire Protection” GB50045-95 to be the compulsory national standard and put in force from November 1st 1995. The original “Code for Design High-rise Civil Building Fire Protection” GBJ45-82 shall be abolished at the same time.

If there are some difficulties indeed in prosecuting individual clause of this code, it shall be settled through consultation by proprietor, designing unit and local fire supervisory organization presided over by district department responsible for the construction.

The Ministry of Public Security is in charge of the administration of this code and The Fire Bureau of the Ministry of Public Security is responsible for concrete explanation. The Institute of Standards and Norms of the Ministry of Construction is in charge to organize the publication.

Ministry of Construction The People’s Republic of China

May 3rd, 1995

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1 General

1.0.1 This code is drawn up with the purpose of avoiding and diminishing the harm from high-rise civil building (hereinafter call high-rise building) fire and safeguarding the people's life and property.

1.0.2 The fire-protection design of high-rise building must follow the fire-protection policy of "Prevention first and combining fire-prevention with fire fighting", aim at the characteristics of high-rise building fire, base upon self-defense and save oneself, use reliable fire-protection measures, to acquire that the security is guaranteed, the application is convenient, the technology is advanced, the design is economic and reasonable.

1.0.3 This code is applicable to the following newly constructed, extended and reconstructed high-rise building and it's skirt building;

1.0.3.1 Residential building with 10 storey and over 10 storey (including residence used as shop and service store on the ground floor);

1.0.3.2 Public building over 24m in height.

1.0.4 This code is inapplicable to single floor public buildings such as gymnasium, auditorium, theater etc. with main building over 24m in height and air defense basements in high-rise buildings.

1.0.5 When the height of the high-rise building is over 250m, the special fire-protection measures adopted by building design shall be submitted to national fire department in charge to organize the monographic study and proof.

1.0.6 In designing the fire-protection of high-rise building, beside carrying out the stipulations of this code, the requirements of related current national standards must also be in compliance with.

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