

IEBC - Chapter 10, Additions - Points to Note

Section 1001 - General

1001.1 Scope. Additions shall comply with International Codes for new construction...existing building not required except...

Section 1001.2 Creation or extension of nonconformity

...non-conformity shall not be created or extended regarding accessibility, structural strength, fire safety, egress or mech, elec or plmbg capacity

Section 1002 Heights and Areas

1002.1 Height limitations...no addition shall increase height beyond Ch 5 of IBC

Section 1002.2 Area limitations

...no addition shall increase area beyond Ch 5 of IBC

Exception...infill of existing holes such as elevator or stair shall comply with IBC

Section 1002.3 Fire protection systems

...fire area increase shall comply with Ch 9 of IBC

Section 1003 Structural

Section 1003.1 Compliance with the IBC

Section 1003.2 Additional gravity loads

...existing structural elements supporting gravity loads as a result of addition shall comply with IBC

Exceptions

- 1. ...stress not increased by more than 5%*
- 2. ...group R not more than 5 units, complying with light-frame construction I/A/W IBC*

Section 1003.3 Lateral force resisting system

...shall comply with 1003.3.1-3

Exceptions

- 1. ...group R not more than 5 units, complying with light-frame construction I/A/W IBC*

2. ...lateral force story shear in any story not increased by more than 10% cumulative

Section 1003.3.1 Vertical addition

...increase in vertical or lateral loads from vertical addition shall comply with IBC

Section 1003.3.2 Horizontal addition

...horizontal additions structurally connected...elements of existing structure affected by such addition comply with IBC

Section 1003.3.3 Voluntary addition of structural elements to improve the lateral force resisting system

...voluntary additions to improve lateral-force-resisting system shall comply with Section 807.7

Section 1003.4 Snow drift loads

...structural elements of an existing building subject to additional snow loads shall comply with the IBC

Exceptions

- 1. ...stress not increased by more than 5%**
- 2. ...group R not more than 5 units, complying with light-frame construction I/A/W IBC**

Section 1004 Smoke alarms in occupancy Groups R-3 and R-4

Section 1004.1 ...additions to R-3 or R-4...existing building shall be provided with smoke alarms

Section 1005 Accessibility

Section 1005.1 Minimum requirements. Accessibility provisions for new construction shall apply to the addition. Additions that affect access or contain areas of primary function shall comply with Section 605.