

2021 International Building Code (IBC)

Chapter 1 (Excluded) Scope and Administration

Excluded in accordance with the requirements of the Pennsylvania Construction Code Act.

Chapter 4 (Amended) Special Detailed Requirements Based on Occupancy and Use

Section 426.1 General.

The provisions of Sections 426.1.1 through 426.1.7 shall apply to buildings in which materials that produce combustible dusts are stored or handled. Buildings that store or handle combustible dusts shall comply with NFPA 652 and the applicable provisions of NFPA 61, NFPA 85, NFPA 120, NFPA 484, NFPA 654, NFPA 655 and NFPA 664 and the International Fire Code.

Chapter 7 (Amended) Fire and Smoke Protection Features

Section 704.2 Column protection.

Where columns are required to have protection to achieve a fire-resistance rating, the entire column shall be provided individual encasement protection by protecting it on all sides for the full column height, including connections to other structural members, with materials having the required fire-resistance rating. Where the column extends through a ceiling, the encasement protection shall be continuous from the top of the foundation or floor/ceiling assembly below through the ceiling space to the top of the column.

~~Exception: Columns that meet the limitations of Section 704.4.1.~~

Section 704.4.1 Light-frame construction.

Studs and boundary elements that are integral elements in load-bearing walls of light-frame construction shall be permitted to have required fire-resistance ratings provided by the membrane protection provided for the load-bearing wall.

Chapter 8 (Amended) Interior Finishes

Section 803.3 Heavy timber exemption.

In buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3, exposed portions of building elements complying with the requirements for buildings of heavy timber construction in Section 602.4 or Section 2304.11 shall not be subject to interior finish requirements except in interior exit stairways, interior exit ramps, and exit passageways.

Chapter 9 (Amended) Fire Protection and Life Safety Systems

Section 903.3.1.2 NFPA 13R sprinkler systems.

Automatic sprinkler systems in Group R occupancies shall be permitted to be installed throughout in accordance with NFPA 13R where the Group R occupancy meets all of the following conditions:

1. Four stories or fewer above grade plane.
2. For other than R-2 occupancies, the floor level of the highest story is 30 feet or less above the lowest level of fire department vehicle access.

For R-2 occupancies, the roof assembly is less than 45 feet above the lowest level of fire department vehicle access. The height of the roof assembly shall be determined by measuring the distance from the lowest required fire vehicle access road surface adjacent to the building to the eave of the highest pitched roof, the intersection of the highest roof to the exterior wall, or the top of the highest parapet, whichever yields the greatest distance.

3. The floor level of the lowest story is 30 feet or less below the lowest level of fire department vehicle access

The number of stories of Group R occupancies constructed in accordance with Sections 510.2 and 510.4 shall be measured from grade plane.

Chapter 11 (Amended) Accessibility

Excluded in accordance with the requirements of the Pennsylvania Construction Code Act.

2018 IBC, Chapter 11 references **ICC A117.1 - 2009** Accessible and Usable Buildings and Facilities.

Chapter 30 (Amended) Elevators and Conveying Systems

NOTE only the following sections/sub-sections were adopted:

Section 3002.1 Hoistway enclosure protection.

Section 3002.2 Number of elevator cars in a hoistway.

Section 3002.4 Elevator car to accommodate ambulance stretcher.

Section 3002.7 Common enclosure with stairway.

Section 3004.2.1 Enclosure.

Section 3004.3.1 Enclosure.

Section 3005.4 Machine rooms, control rooms, machinery spaces, and control spaces.

Section 3006 ELEVATOR LOBBIES AND HOISTWAY OPENING PROTECTION

Section 3007 FIRE SERVICE ACCESS ELEVATOR

Section 3008 OCCUPANT EVACUATION ELEVATORS