



**m e m o r a n d u m**

**TO:** Building Safety Board of Appeals

**FROM:** Nicholas Hanson, Building Official

**DATE:** 04/01/2022

**SUBJECT:** Significant Changes of the 2021 International Building Code

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The purpose of this memo is to identify any significant changes in the adoption of the 2021 *International Building Code* (IBC).

The following Sections of the 2021 IBC have been modified. The adoption of the new section(s) does not change the purpose or intent of the Code.

- **Section 424 Play Structures.** Has been added.
  - Play structure shall be constructed of noncombustible materials or of combustible materials as listed.
- **Section 425 Hyperbaric Facilities.** Has been added.
- **Section 426 Combustible Dusts, Grain Processing & Storage.** Has been added.
- **Section 427 Medical Gas systems.** Has been added.
  - Medical gases at health care-related facilities intended for patient or veterinary care shall comply with Sections 427.2 through 427.2.3 in addition to requirements of Chapter 53 of the *International Fire Code*.
- **Section 428 Higher Education Laboratories.** Has been added.
- **Section 503.1.4 Occupied Roofs.** Has been added.
- **Section 504.3, 504.4, 506.2, Table 601.** Have been modified to include mass timber.
- **Section 504.4 Allowable Height in Stories.** Has been modified to include mass timber.
- **Section 907.5.2.1.3 Fire Alarm Occupant Notification.** Has been modified.
  - Where fire alarm systems are required in R-1 and R-2 occupancy, a low-frequency signal shall be used in sleeping rooms.
- **Section 1008.2.1 Stairway Illumination.** Has been modified.
  - The minimum illumination level for both exit and exit access stairways has been increased to 10 foot-candles.
- **Section 1105.1.1 Automatic Doors.** Has been added.
  - In certain occupancies, the accessible public entrances will require an automatic door.
- **Section 1107.2 Vehicle Charging Stations.** Has been added.
  - Scoping provisions for accessible charging stations.
- **Section 1110.6 Bottle Filling Stations.** Has been added.
  - Where provided, bottle filling stations must be accessible.

- **Section 1208.4 Efficiency Units.** Has been modified.
  - Minimum required floor area is reduced to 190 sq. ft.
- **Section 107.5.3, 1705.20 Mass Timber Special Inspections.** Has been added.
  - Special inspection have been added for the anchorage and connection of mass timber elements.
- **Section 1705.10 Structural Integrity of Deep Foundations.** Has been added.
  - Special inspection and engineering assessments must now be done.
- **Section 1705.18 Firestop inspection in Group R.** Has been modified.
  - Group R fire areas exceeding 250, shall have a special inspection of the firestops, fire-resistant joint system and perimeter fire barrier systems.
- **Section 1809.5.1.** Has been added.
  - Frost protection must be provided for at exterior landings at all egress doors.
- **Section 3115 Intermodal Shipping Containers.** Has been added.
  - The use of intermodal shipping containers as building and structure are now recognized by the IBC.
- **Section 3313 Fire Protection During Construction.** Has been modified.
  - An approved water supply for fire protection, either temporary or permanent, shall be made available as soon as combustible building materials arrive on the site, on commencement of vertical combustible construction.