

4101:1-30-01 Elevators and conveying systems.

Chapter 30 of the International Building Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Replace section 3001.1 with the following:

3001.1 Scope. This chapter and Chapter 4101:5 of the Administrative Code govern the design, construction, installation, *alteration* and *repair* of elevators, escalators, vertical and inclined wheelchair lifts, dumbwaiters, moving walks, stair lifts, and belt manlifts, including the elevator hoistway enclosures and lobbies, the elevator machine rooms/control rooms/control spaces/machinery spaces, and the emergency systems that interface with them. This chapter also governs the enclosure and related building and system requirements for conveyors and conveying systems and their components, but does not regulate the design, construction, or installation of material-handling conveyors within the scope of ASME B20.1.

(B) Replace section 3001.2 with the following:

3001.2 Elevator emergency communications systems. An elevator emergency two-way communication system is to be provided that includes both visual and audible communication modes complying with the requirements of ASME A17.1/CSA B44. The system is to provide a means to enable authorized personnel to verify:

1. the presence of someone in the car, and
2. that the person(s) is or are trapped.

Once entrapment is verified, the system is to enable authorized personnel to:

1. determine if assistance is needed;
2. communicate that help is on the way; and
3. communicate when help arrives on site.

(C) Replace section 3001.3 with the following:

3001.3 Referenced standards. Except as otherwise provided for in this code, the design, construction, installation, *alteration*, *repair* and maintenance of elevators, escalators, vertical and inclined wheelchair lifts, dumbwaiters, moving walks, stair lifts, belt manlifts and their components are to conform to this chapter, the requirements found in Chapter 4101:5 of the Administrative Code, the applicable standard specified in Table 3001.3

and ASCE 24 for construction in flood hazard areas established in Section 1612.3.

**TABLE 3001.3
ELEVATORS AND CONVEYING SYSTEMS AND COMPONENTS**

<u>TYPE</u>	<u>STANDARD</u>
<u>Belt manlifts</u>	<u>ASME A90.1</u>
<u>Elevators, escalators, dumbwaiters, moving walks</u>	<u>ASME A17.1/CSA B44, ASME A17.7/CSA B44.7</u>
<u>Platform lifts, stairway chairlifts, wheelchair lifts</u>	<u>ASME A18.1</u>

(D) Replace section 3001.4 with the following:

3001.4 Accessibility. All new passenger elevators, escalators, and vertical and inclined wheelchair lifts required to be accessible or to serve as part of an accessible means of egress are to comply with Sections 1009 and 1110.8.

(E) Replace section 3004.3 with the following:

3004.3 Conveyors. Buildings containing material-handling conveyors and conveying systems are to be provided with safety features as required in Sections 3004.3.1 and 3004.3.2.

(F) Add new section 3005.4.1 that reads as follows:

3005.4.1 Openings in machine room floors. Holes in the machine room floors for the passage of ropes, cables or other moving elevator equipment are to be limited as not to provide greater than 2 inches (51 mm) of clearance on all sides.

(G) Replace section 3005.5 with the following:

3005.5 Shunt trip. Where elevator hoistways, elevator machine rooms, control rooms and control spaces containing elevator control equipment are protected with automatic sprinklers and those sprinklers could affect the safe operation of the elevator equipment, a means installed in accordance with Section 21.4 of NFPA 72 is to be provided to automatically disconnect the main line power supply to the affected elevator prior to the application of water. This means is not to be self-resetting. The activation of automatic sprinklers outside the hoistway, machine room, machinery space, control room or control space or the activation of automatic sprinklers that would not affect the safe operation of the elevator equipment are not to disconnect the main line power supply.

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Certification

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