

B44-07 (2007 Update) Extract

Section 2.27 – Emergency Operation and Signaling Devices

NOTE (2.27): Additional requirements ... may be found in the building code.

2.27.1 Car Emergency Signaling Devices

2.27.1.1 Emergency Communications

2.27.1.1.1

A two-way communications means between the car and a location staffed by authorized personnel shall be provided.

2.27.1.1.2

When the two-way communications location is not staffed 24 h a day, by authorized personnel who can take appropriate action, the means of two-way communications shall automatically be directed within 30 s to an additional on- or off-site location, staffed by authorized personnel, where an appropriate response can be taken.

2.27.1.1.3

The two-way communication means within the car shall comply with the following requirements
(a) In jurisdictions enforcing NBCC, Appendix E of CSA-B44, or in jurisdictions not enforcing NBCC, ICC/ANSI A117.1.

(b) A push button to actuate the two-way communications means shall be provided in or adjacent to a car operating panel. The push button shall be visible and permanently identified as “HELP”. The identification shall be on or adjacent to the “HELP” button. When the push button is actuated, the emergency two-way communications means shall initiate a call for help and establish two-way communications.

(c) A visual indication on the same panel as the “HELP” push button shall be provided, which is activated by authorized personnel, to acknowledge that two-way communications link has been established. The visual indication shall be extinguished when the two-way communications link is terminated.

(d) The two-way communications means shall provide on demand to authorized personnel, information that identifies the building location and elevator number and that assistance is required.

(e) After the call acknowledgment signals are sent (2.27.1.1.3c), the two-way voice communications shall be available between the car and authorized personnel.

(f) The two-way communications, once established, shall be disconnected only when authorized personnel outside the car terminate the call.

(g) The two-way communications means shall not use a handset in the car.

(h) The two-way communications shall not be transmitted to an automated answering system. The call for help shall be answered by authorized personnel.

(i) Operating instructions shall be incorporated with or adjacent to the “HELP” button.

2.27.1.1.4

Where the elevator rise is 18m (60 ft) or more, a two-way voice communication means within the building accessible to emergency personnel shall be provided and comply with the following requirements:

(a) The means shall enable emergency personnel within the building to establish two-way voice communications to each car individually. Two-way voice communication shall be established

without any intentional delay and shall not require intervention by a person within the car. The means shall override communications to outside of the building.

(b) Two-way voice communications, once established, shall be disconnected only when emergency personnel outside the car terminates the call.

(c) Once the two-way voice communications has been established, the visual indication (see 2.27.1.1.3c) within the car shall illuminate. The visual indication shall be extinguished when the two-way communication is terminated.

(d) Operating instructions shall be incorporated with or adjacent to the two-way voice communication outside the car. Instructions shall conform to 2.27.7.3

2.27.1.1.5

If the emergency communications means is normally connected to the building's main power supply, it shall automatically transfer to an alternate source(s) of power when the power supply fails. The alternate source(s) of power (standby, emergency, etc.) shall be capable of providing power for illumination of the visual indication (see 2.27.1.1.3(c)) within the car, and the means of emergency communications for at least 4 h; and the audible signalling device (see 2.27.1.2) for at least 1 h.