

875—73.3 (89A) Car enclosure: Passenger.

73.3(1) Each passenger car shall be fully enclosed except on the sides used for entrance and exit. The enclosure shall be of solid construction. Grillwork at the top of the sides shall not be more than 8 inches high. If the car is provided with a solid door and there is no grillwork in the enclosure, adequate means of ventilation shall be provided.

73.3(2) Each passenger car enclosure shall have a top constructed of solid material. The top shall be capable of sustaining a load of 300 pounds on any area of 2 feet on a side and 100 pounds applied at any point. Simultaneous application of these loads is not required.

73.3(3) Passenger car enclosure tops shall have an emergency exit with cover. Opening size shall be as set forth in ANSI A17.1, 1971, Rule 204.1E. Hydraulic elevators provided with a manual lowering valve are not required to provide an emergency exit.

73.3(4) Each passenger car shall have a door or gate at each entrance. Doors or gates shall be of the horizontally sliding type. Doors shall be of solid construction. Gates shall be of the collapsible type. Gates and doors shall conform to ANSI A17.1, 1971, Rule 204.4.

73.3(5) Each passenger car door or gate shall have an electric contact to prevent the car from running with doors or gates open. EXCEPTIONS:

- a. By a car-leveling or truck-zoning device.
- b. By a combination hoistway access switch and operating device.
- c. When a hoistway access switch is operated.

73.3(6) All automatic passenger elevators with power doors shall have reopening devices on the doors, designed to reopen doors in the event the doors should become obstructed.

73.3(7) Car door or gate closing force.

a. Where a car door or gate of an automatic or continuous-pressure operation passenger elevator is closed by power, or is of the automatically released self-closing type, and faces a manually operated or self-closing hoistway door, the closing of the car door or gate shall not be initiated unless the hoistway door is in the closed position. The closing mechanism shall be so designed that the force necessary to prevent closing of a horizontally sliding car door or gate from rest shall be not more than 30 pounds.

b. Paragraph 73.3(7)“a” does not apply when both of the following conditions are met:

- (1) A car door or gate is closed by power through continuous pressure of a door-closing switch or the car operating device, and
- (2) The release of the closing switch or operating device will cause the car door or gate to stop or to stop and reopen.

73.3(8) Each passenger car shall have lighting inside the enclosure of not less than 5 foot-candles. Bulbs and tubes shall be guarded to prevent breakage.

73.3(9) Each passenger elevator shall have a capacity plate prominently displayed in its enclosure. The capacity plate shall list its capacity in pounds.

73.3(10) All passenger elevator car floors shall be maintained so that persons are not exposed to the hazards of tripping or falling.

73.3(11) All automatic passenger elevators shall be provided with an alarm bell capable of being activated from inside the car and audible outside the hoistway. If the elevator is not equipped with a bell, a two-way conversation device to the elevator and a ready accessible point outside the hoistway may be acceptable.

73.3(12) All automatic passenger elevators shall have their door open zones adjusted so that the door shall not open unless the car has stopped within 6 inches of floor level.