

875—73.2 (89A) Hoistways.

73.2(1) Each passenger elevator hoistway landing shall be protected with a door or gate. The door or gate shall be of solid construction and shall guard the entire entrance.

73.2(2) All automatic passenger elevators with power doors shall have nonvision panels on hoistway doors.

73.2(3) Each hoistway landing in any elevator hoistway shall be continuously provided with a properly working door or gate.

73.2(4) Where freight elevator hoistway doors or gates are of open or lattice construction, they shall be at least 6 feet high and shall come within 2 inches of the floor when closed. Gates shall be constructed to reject a ball 2 inches in diameter. Doors and gates must be able to withstand 250 pounds of pressure applied in the center of the door or gate without breaking or being forced out of their guides.

73.2(5) Manually operated biparting entrances of elevators which can be operated from the landings shall be provided with pull straps on the inside and outside of the upper panel where the lower edge of the upper panel is more than 6 feet 6 inches above the landing when the panel is in the fully opened position.

73.2(6) All freight elevators having wooden hoistway gates in an area where power loading equipment, such as fork trucks, electric mules, etc. are used shall have an acceptable means to restrain the power equipment from running through such wooden gates.

73.2(7) Each hoistway door or gate shall be provided with interlocks designed to prevent the car from moving unless the doors or gates are closed. Where doors or gates do not lock when closed they shall lock when the elevator is not more than 12 inches away from the floor. Passenger elevator hoistway doors shall be closed and locked before the car leaves the floor.

73.2(8) All hoistway-door interlocks shall function as part of a hoistway-unit system.

73.2(9) Automatic fire doors shall not lock any landing opening in the hoistway enclosure from the hoistway side nor lock any exit leading from any hoistway landing to the outside of the building.

73.2(10) Emergency keys for hoistway doors and service keys shall be kept readily accessible to authorized persons and elevator safety inspectors.

73.2(11) Access means shall be provided at one upper landing to permit access to the top of the car, and at the lowest landing if this landing is the normal point of access to the pit.

73.2(12) Each hoistway door or gate which is counterweighted shall have its weights enclosed in a box-type guide or run in metal guides. The bottom of the guides or boxes shall be so constructed as to retain the counterweight if the counterweight suspension means breaks.

73.2(13) Hoistways containing freight elevators shall be fully enclosed. Enclosures shall be unperforated to a height of 6 feet above each floor or landing and above the treads of adjacent stairways. Unperforated enclosures shall be so supported and braced as to deflect not over 1 inch when subjected to a force of 100 pounds applied horizontally to any point. Open work enclosure may be used above the 6-foot level and shall reject a ball 2 inches in diameter.

73.2(14) Hoistways containing passenger elevators shall be fully enclosed and the enclosure shall be of solid construction to its full height.

73.2(15) All elevators that have automatic leveling, inching or teasing devices and that are configured with landing sills that project into the hoistway shall be equipped with a bevel on the underside of the landing sill or the underside of projections found on the bottom section of vertically opening biparting doors. Bevels shall be constructed of smooth concrete or not less than 16-gauge metal securely fastened to the hoistway entrance. Bevels shall extend the full depth of the leveling zone plus 3 inches.

73.2(16) Every hoistway window opening seven stories or less on an outside wall above a thoroughfare and every such window three stories or less above a roof of the building or of an adjacent building shall be guarded to prevent entrance by fire or emergency rescue persons. Each such window shall be marked "hoistway" in a readily visible manner.