

2.11.10 Landing-Sill Guards, Landing-Sill Illumination, Hinged Landing Sills, and Tracks on Landings

2.11.10.1 Landing-Sill Guards

2.11.10.1.1 Landing sills shall be guarded on the underside with guard plates of smooth metal not less than 1.4 mm (0.055 in.) thick, extending the full width of the car sill exposed to the landing entrance, and securely fastened in place. Landing sill guards are not required for

- (a) vertically sliding biparting counterbalanced doors
- (b) vertically sliding counterweighted doors that slide down to open
- (c) elevators where the landing sills do not project into the hoistway

2.11.10.1.2 Where a car leveling device is provided and the hoistway edge of the sill is either flush with or projects into the hoistway, the guard shall have a straight vertical face extending below the sill not less than the depth of the leveling zone plus 75 mm (3 in.). Where the sill projects inward from the hoistway enclosure, the bottom of the guard shall also be beveled at an angle of not less than 60 deg and not more than 75 deg from the horizontal, or the guard shall be extended from the hoistway edge of the landing sill to the top of door hanger pocket of the entrance next below.

2.11.10.1.3 Where no car leveling device is provided and the sill projects inward from the general line of the hoistway, the guard shall be either beveled at an angle of not less than 60 deg and not more than 75 deg from the horizontal, or have a straight vertical face extending from the hoistway edge of the landing sill to the top of door hanger pocket of the entrance below.

2.11.10.2 Illumination at Landing Sills. The building corridors shall be so lighted that the illumination at the landing sills, when an elevator is in service, shall be not less than 100 lx (10 fc).

2.11.10.3 Hinged Hoistway Landing Sills. Hinged hoistway landing sills provided in connection with vertically sliding, biparting, counterbalanced doors of freight elevators shall be hinged on the landing side so that they can be lowered only when the landing doors are in the fully opened position.

2.11.11 Entrances, Horizontal Slide Type

2.11.11.1 Landing Sills. Landing sills shall

- (a) be of metal and of sufficient strength to support the loads to be carried by the sills when loading and unloading the car, and be secured in place
- (b) be substantially flush with the floor surface of the elevator landings
- (c) be so designed and maintained as to provide a secure foothold over the entire width of the door opening

2.11.11.2 Hangers, Tracks, and Track Supports.

Hangers, tracks, and their supports and fastenings for doors shall be constructed to withstand, without damage or appreciable deflection, an imposed static load equal to four times the weight of each panel as applied successively downward and upward at the vertical centerline of the panel. (See 2.11.11.5.7 and 2.11.11.5.8.)

2.11.11.3 Entrance Frames

2.11.11.3.1 Where used, entrance frames shall be anchored to the sills and to the building structure or the track supports. The head of the entrance frame shall not be used to support the weight of the wall over the frame.

2.11.11.3.2 Where decorative material is applied to listed/certified frames, it shall conform to the requirements of the certifying organization.

2.11.11.4 Hangers. Hangers shall conform to 2.11.11.4.1 and 2.11.11.4.2.

2.11.11.4.1 Means shall be provided to prevent the hangers from jumping the track.

2.11.11.4.2 Stops shall be provided in the entrance assembly to prevent hangers from overrunning the end of the track.

2.11.11.5 Panels. Panels shall conform to 2.11.11.5.1 through 2.11.11.5.8.

2.11.11.5.1 The panels shall overlap the top and sides of the opening, and each other, in the case of multispeed entrances, by not less than 13 mm (0.5 in.).

Where entrances without frames are used, the overlap shall extend the thickness of the facing used to finish the opening plus 13 mm (0.5 in.) or more.

2.11.11.5.2 The clearance shall not exceed 10 mm (0.375 in.) between

- (a) the panel and the frame
- (b) the panel and the wall, where entrances without frames are used in masonry or concrete
- (c) related panels of multispeed entrances
- (d) the panel and the sill measured vertically

2.11.11.5.3 The leading panel edge of side-opening entrances shall not close into pockets in the strike jamb and shall be smooth and free of sharp projections.

2.11.11.5.4 The meeting panel edges of center-opening entrances shall be smooth and free of sharp projection.

The meeting panel edges of center-opening entrances shall be protected with not less than one resilient male member extending the full height of the panel. The resilient members shall be permitted to interlock by not more than 10 mm (0.375 in.).

When in the closed position, the distance between the metal parts of the meeting panels shall not exceed 13 mm (0.5 in.).