RESIDENTIAL ELEVATOR / DUMBWAITER / VERTICAL PLATFORM LIFT / INCLINED PLATFORM LIFT / "CONVEYANCE" PLAN REVIEW REQUIREMENTS

ADOPTED CODES EFFECTIVE 1/1/2022:

- ASME A17.1-2019 Safety Code for Elevators and Escalators
- ASME A18.1-2017 Safety Standards for Vertical Platform Lifts and Stairway Chairlifts

ALL PLANS REQUIRE:

- Compliance with the currently adopted ASME A17.1 Safety Code for Elevators and Escalators and/or ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts (whichever is applicable)
- Site specific shop drawings / specifications for each conveyance being installed
- Integration of all conveyance shop drawing / specifications information, layout, dimensions, and notes into all areas of plan set as required by Code

STRUCTURAL AND ARCHITECTURAL SPECIFIC TO CONVEYANCES

- Pit and Hoistway construction details and measurements from top and elevation views for each conveyance being installed (if applicable)
- Location of Machine Room(s) or Control Room(s) for each conveyance being installed (if applicable)

MECHANICAL INSTALLATIONS SPECIFIC TO CONVEYANCES

- Conveyance Machine Room(s), Control Room(s), HVAC equipment and locations (if applicable and per conveyance manufacturer requirements)
- Mechanical installations cannot be located over elevator equipment

ELECTRICAL INSTALLATIONS SPECIFIC TO CONVEYANCES

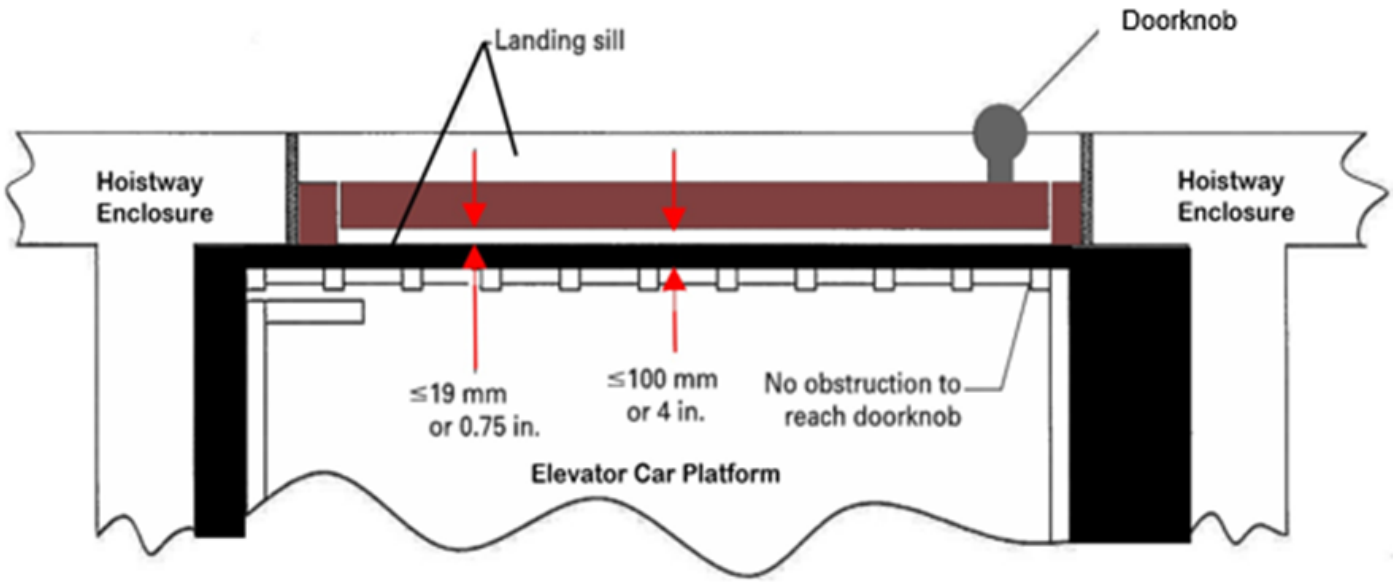
- Locations of Disconnecting Means for all conveyance related circuits in relation to shop drawings / submittals
- Pit lighting fixture, illumination and receptacle requirements per conveyance shop drawings / submittals, NEC and ASME Codes (where applicable)
- Hoistway overhead lighting fixture, illumination and receptacle requirements per conveyance shop drawings / submittals, NEC and ASME Codes (where applicable)

NOTE: (SEE NEXT PAGE)

As of January 1, 2022:

Requirements for Clearances Between Hoistway Doors and Landing Sills will be enforced as written in ASME A17.1 – 2019 (5.3.1.8.2). Requirements for Clearances Between Hoistway Doors and Car Doors or Gates will be enforced as written in ASME A17.1 – 2019 (5.3.1.9.3)

Clearances at Landing Sills



5.3.1.8.2 Clearance Between Hoistway Doors and Landing Sills. The distance between the hoistway face of the hoistway doors and the hoistway edge of the landing sill shall not exceed 19 mm (0.75 in.) for swinging doors and 57 mm (2.25 in.) for sliding doors.

5.3.1.9.3 Clearance Between Hoistway Doors and Car Doors or Gates. The distance between the hoistway face of the landing door and the hoistway face of the car door or gate shall conform to one of the following:

(a) Power-Operated Horizontally Sliding Hoistway and Car Doors, Where power-operated horizontally sliding hoistway and car doors are used, the measurement between the leading edge of the doors or sight guard, if provided, shall not exceed 100 mm (4 in.). If it is possible for a user to detach or disconnect either door from the operator (such as in the event of operator failure) and such detachment or disconnection allows the user to operate the door manually, (e) shall apply.

(b) Swinging Hoist-way Doors and Folding Car Doors. Where swinging hoistway doors and folding car doors are used and both doors are in the fully closed position, the space between the hoistway door and the folding door shall reject a 100 mm (4 in.) diameter ball at all points.

(c) Swinging Hoistway Doors and Car Gates. Where swinging hoistway doors and car gates are used, the space between the hoistway door and the car gate shall reject a 100 mm (4 in.) diameter ball at all points.

(d) Swinging Hoistway Doors and Power-Operated Horizontally Sliding Car Doors. Where a car door(s) is power operated and arranged so that the car door(s) cannot be closed until after the hoistway door is closed, and the car door(s) automatically opens when the car is at a landing and the hoistway door is opened, the measurement between the hoistway face of the hoistway door and the hoistway face of the car door at its leading edge shall not exceed 100 mm (4 in.). If it is possible for a user to detach or disconnect either door from the operator (such as in the event of operator failure) and such detachment or disconnection allows the user to operate the door manually, (e) shall apply,

(e) *Swinging or Horizontally Sliding Hoistway Doors and Manually Operated Horizontally Sliding Car Doors.* Where swinging or horizontally sliding hoistway doors and manually operated horizontally sliding car doors are used and both doors are in the fully closed position, the space between the swinging or horizontally sliding hoistway doors and the manually operated horizontally sliding car doors shall reject a 100 mm (4 in.) diameter ball at all points.