

1.01 INTENT

It is the intent of these standards to provide guidelines in developing vertical transportation systems.

1.02 ELEVATOR BASIS OF DESIGN: Passenger Elevator minimum size as follows:

- a. Type: Under-the-car single cylinder.
- b. Rated Load: *2500 lb*
- c. Rated Speed: *125 fpm*
- d. Operation System: Selective collective automatic operation.
- e. Auxiliary Operations: Battery-powered lowering.

1.03. CAR ENCLOSURES: Passenger Elevator minimum size as follows:

- a. Inside Width: *68 inches*
- b. Inside Depth: *81 inches*
- c. Inside Height: *94 inches*
- d. The owner's representative shall select the finish for doors and frames.
- e. Handrails: Polished stainless steel, at side and rear walls.
- f. Floor recessed and prepared to receive decorative tile (specified in Division 9 Section. Provide cementitious backer units applied over *5/8-inch* underlayment grade, exterior plywood, screwed to car platform.
- g. The telephone shall be a vandal-resistant, ADA-compliant, hands-free, two-way communication system with audible and visual components.

1.04. CARGO ELEVATORS: They should meet all Life Safety Codes

1.05 HOISTWAY ENTRANCES: As follows:

- a. Width: 36 inches
- b. Height: 84 inches
- c. Type: Two-speed side sliding.
- d. Frames: Polished stainless steel.
- e. Doors: Polished stainless steel.
- f. Sills: Aluminum.

1.06 HALL FIXTURES:

- a. Polished stainless steel with no exposed metal surfaces.
- b. Smoke detectors in lobby and pit.

1.07 ADDITIONAL REQUIREMENTS:

- a. Provide inspection certificate in each car, mounted under acrylic cover with polished stainless-steel frame.

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- b. Provide protective blanket hooks in all four cars and two complete sets of full-height blankets.
- c. Sill Supports.
- d. Pit Ladder.
- e. Fireman's service.
- f. Braille Plates.

1.08. MACHINE ROOM EQUIPMENT

- a. Provide a minimum of 18 inches of clearance around all equipment for working. For controllers and electrical switches, clearance for working shall be in accordance with the National Electric Code.
- b. Install equipment so it is easily removed for maintenance and repair.

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