

DIVISION 14 - CONVEYING SYSTEMS

**Section
Number**

Title

14200 ELEVATORS

14240 Hydraulic Elevators
Passenger/Service
Freight

14200 ELEVATORS
General

In all multi level buildings and facilities, At least one passenger elevator shall serve each level, including mezzanines. (If more than one elevator is provided, each full passenger elevator shall comply with this section). The elevator shall be considered a part of an accessible means of egress and shall comply with the emergency operation and signaling device requirements of section 2.27 of the ASME A17.1. Standby power shall be provided in accordance with code referenced in Division 1.

Elevators are to be provided with button controls to each floor without keying to shutdown the unit and, if required by the program, to lock out selected floors.

Elevator controls shall comply with the most recent Fire/life safety and ADA codes. Specifications shall include attention to interlock to existing or proposed fire detection systems and devices.

All elevator operating switches should be keyed alike according to function.

All elevator pits shall be provided with sump pumps.

Elevators shall be located as close as practical to stairways to facilitate use of stairways for those with that preference.

Machinery spaces shall be located to minimize vibration and noise, and shall be fully sound attenuated if located near occupied areas.

DP shall specify that **Contractor shall include in his base bid, and shall be required to provide, the Elevator Owner's Manual to NAU as part of close-out submittals at no additional cost.**

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Hydraulic Elevators

Hydraulic elevators shall be piston type, limited to a maximum of four stories; 4000 lbs minimum capacity, 200 fpm minimum speed.

Car size clear dimension shall be a minimum 5" 8" wide, 8" 5" deep, fully handicapped accessible.

Passenger/Service/Freight Elevators

Where one elevator is used, it shall also be designed for occasional use as a freight elevator.

In designing multi-elevated buildings at least one car shall be designated for full time freight use.

Passenger Cabs - Interiors

Control buttons shall meet all ADA requirements.

Car and hall buttons shall be illuminated, car position and travel shall be signaled by a lantern and gong.

All controls shall be tamperproof.

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Hydraulic Elevators (cont.)