

CHAPTER 30
OREGON AMENDMENTS
2007 OSSC

3001.2 Referenced standards. Except as otherwise provided for in this code, the design, construction, installation, alteration, repair and maintenance of elevators and conveying systems and their components shall conform to ~~ASME A17.1, ASME A90.1, ASME B20.1, ALI ALCTV, and ASCE 24~~ **the Oregon Elevator Specialty Code adopted under OAR 918-400-0455** for construction in flood hazard areas established in Section 1612.3.

All references to the adopted elevator safety standard, ASME A17.1 are governed by the Oregon Elevator Specialty Code. Inspections and plan review are performed only by inspectors authorized by the state. References to ASME A17.1 in this section are provided for clarification.

3001.3 Accessibility. Passenger elevators **that are** required to be accessible by ~~Chapter 11~~ shall conform to ~~ICC A117.1~~ **the applicable provisions of** Chapter 11.

3001.4 Change in use. A change in use of an elevator from freight to passenger, passenger to freight, or from one freight class to another freight class shall comply with ~~Part XII of ASME A17.1~~

[F] **3003.1 Standby power.** In buildings and structures where standby power is required or furnished to operate an elevator, the operation shall be in accordance with Sections 3003.1.1 through 3003.1.4. **Operation of elevators under standby power shall operate as required by ASME A17.1.**

[F] **3003.1.3 Two or more elevators.** Where two or more elevators are controlled by a common operating system, all elevators shall automatically transfer to standby power within 60 seconds after failure of normal power where the standby power source is of sufficient capacity to operate all elevators at the same time. Where the standby power source is not of sufficient capacity to operate all elevators at the same time, **the operation of all elevators shall comply with** ~~all elevators shall transfer to standby power in sequence, return to the designated landing and disconnect from the standby power source. After all elevators have been returned to the designated level, at least one elevator shall remain operable from the standby power source.~~ **ASME A17.1.**

3004.1 Vents required. Hoistways of elevators and dumbwaiters **with a hoistway height of (25 ft.) (7.6m) or more as measured from the bottom floor landing to the underside of the hoistway ceiling,** ~~penetrating more than three stories~~ shall be provided with a means for venting smoke and hot gases to the outer air in case of fire.

Exceptions:

1. In occupancies of other than Groups R-1, R-2, I-1, I-2 and similar occupancies with overnight sleeping quarters, venting of hoistways is not required where the building is equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.

2. Sidewalk elevator hoistways are not required to be vented.

3004.2 Location of vents. Vents shall be located at the top of the hoistway and shall open either directly to the outer air or through noncombustible ducts to the outer air. Noncombustible ducts shall be permitted to pass through the elevator machine room, provided that portions of the ducts located outside the hoistway or machine room are enclosed by construction having not less than the fire protection rating required for the hoistway. Holes in the machine room floors for the passage of ropes, cables or other moving elevator equipment shall be limited so as not to provide greater than 2 inches (51 mm) of clearance on all sides.

Ducts passing through machine rooms shall not encroach on working or electrical clearances required around elevator equipment.

3004.4 Plumbing and mechanical systems. Plumbing and mechanical systems shall not be located in an elevator shaft **except as allowed by ASME A17.1.**

Exception: Floor drains, sumps and sump pumps shall be permitted at the base of the shaft provided they are indirectly connected to the plumbing system.

SECTION 3005 CONVEYING SYSTEMS

3005.1 General. Escalators, moving walks, conveyors, personnel hoists and material hoists shall comply with ~~the provisions of this section.~~ **ASME A17.1 and the Oregon Elevator Specialty Lifts, Part 1 whichever is applicable.**

~~**3005.2 Escalators and moving walks.** Escalators and moving walks shall be constructed of approved noncombustible and fire retardant materials. This requirement shall not apply to electrical equipment, wiring, wheels, handrails and the use of $\frac{1}{28}$ inch (0.9 mm) wood veneers on balustrades backed up with noncombustible materials.~~

~~**3005.2.1 Enclosure.** Escalator floor openings shall be enclosed with shaft enclosures complying with Section 707.~~

~~**3005.2.21. Escalators.** Where provided in below-grade transportation stations, escalators shall have a clear width of 32 inches (815 mm) minimum.~~

~~**Exception:** The clear width is not required in existing facilities undergoing alterations.~~

~~**3005.3 Conveyors.** Conveyors and conveying systems shall comply with ASME B20.1.~~

~~**3005.3.1 Enclosure.** Conveyors and related equipment connecting successive floors or levels shall be enclosed with shaft enclosures complying with Section 707.~~

~~**3005.3.2 Conveyor safeties.** Power-operated conveyors, belts and other material-moving devices shall be equipped with automatic limit switches which will shut off the power in an emergency and automatically stop all operation of the device.~~

~~**3005.4 Personnel and material hoists.** Personnel and material hoists shall be designed utilizing an approved method that accounts for the conditions imposed during the intended operation of the hoist device. The design shall include, but is not limited to, anticipated loads, structural stability, impact, vibration, stresses and seismic restraint. The design shall account for the construction, installation, operation and inspection of the hoist tower, car, machinery and control equipment,~~

~~guide members and hoisting mechanism. Additionally, the design of personnel hoists shall include provisions for field testing and maintenance which will demonstrate that the hoist device functions in accordance with the design. Field tests shall be conducted upon the completion of an installation or following a major alteration of a personnel hoist.~~

3006.1 Access. An approved means of access shall be provided to elevator machine rooms and overhead machinery spaces **as required by ASME A17.1.**

~~**3006.5 Shunt trip.** Where elevator hoistways or elevator machine rooms containing elevator control equipment are protected with automatic sprinklers, a means installed in accordance with NFPA 72, Section 3-9.4, Elevator Shutdown, shall be provided to disconnect automatically the main line power supply to the affected elevator prior to the application of water. This means shall not be self-resetting. The activation of sprinklers outside the hoistway or machine room shall not disconnect the main line power supply.~~

~~**3006.6**~~ **3006.5 Plumbing systems.** Plumbing systems shall not be located in elevator equipment rooms.