

**481—373.3(89A) Maintenance, repair and alteration requirements.**

**373.3(1) General.** Except as set forth in this rule, all maintenance, repairs and alterations comply with the edition of ASME A17.1, Part 8, currently adopted for new conveyances or ASME A17.7-2007/CSA B44-07, as applicable. Alterations that require that the entire conveyance be brought into compliance with the most current code are described in 481—Chapter 371.

**373.3(2) Exemption for button numbering.** All maintenance, repairs and alterations to devices covered by ANSI A117.1 comply with ANSI A117.1 (2017), except for requirement 407.4.7.1.2.

**373.3(3) Sump pump exemption.** The provisions of ASME A17.1 that require a pit sump or drain do not apply to an elevator alteration when all of the following criteria are met:

- a. No other code or rule requires that the pit be excavated or lowered.
- b. The alteration plans do not include the excavation or lowering of the pit floor for any other reason.
- c. There is evidence that groundwater has not entered the pit previously.
- d. The location and geology of the building indicate a likelihood that groundwater would enter the pit if the foundation or pit floor were breached to install the pit sump or drain.
- e. A description of alternative means to maintain the pit in a dry condition is provided to the director with the alteration permit application.
- f. The director approves the alternative means to maintain the pit in a dry condition.
- g. The alternative means to maintain the pit in a dry condition are installed or implemented as described in the alteration permit application.

**373.3(4) Pit excavation exemption.** The full length of the platform guard set forth in ASME A17.1, Rule 2.15.9.2(a), is not required if all of the following criteria are met:

- a. No other code or rule requires that the pit be excavated or lowered.
- b. The alteration plans do not include the excavation or lowering of the pit floor for any other reason.
- c. A full-length platform guard would strike the pit floor when the elevator is on its fully compressed buffer.
- d. The clearance between the bottom of the platform guard and the pit floor is 2.5 centimeters (1 inch) when the elevator is on its fully compressed buffer.

**373.3(5) Sprinkler retrofits and shunt trip breakers.** When a sprinkler is added to a hoistway or machine room, the conveyance shall comply with the following:

- a. For installations, the applicable version of ASME A17.1, Rule 2.8.3.3.
- b. For elevator controls, the phase I fire recall provisions of the applicable version of ASME A17.1, Rule 2.27.3.
- c. The applicable version of ASME A17.1 is determined by reference to rule 481—372.1(89A). For purposes of this subrule, the relevant subrule of rule 481—372.1(89A) applies based on the date the sprinkler is installed instead of the date the conveyance was installed.

**373.3(6) Safety bulkheads.** Documentation from the manufacturer establishing that a safety bulkhead was installed shall establish compliance with ASME A17.1, Rule 8.6.5.8.

**373.3(7) Alterations of handicapped restricted use elevators.** A component of a handicapped restricted use elevator being altered complies with the portions of ASME A17.1, section 5.3, applicable to the component. The edition of ASME A17.1 adopted by reference in rule 481—372.1(89A) is applied.

**373.3(8) Hoistway lighting.** If the controller for an elevator is being replaced, permanent lighting is installed in the hoistway of the elevator. Three-way switches to control the hoistway lighting are installed at the pit access door and the top landing access door. The lighting shall be sufficient to provide 10 foot-candles of light to the center of the elevator path measured when the car top lights are off. Engineering calculations that prove 10 foot-candles of light are provided to the center of the elevator path may be substituted for light meter measurements under circumstances such as a glass back car where use of a light meter is not practical.

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