

875—73.8 (89A) Maintenance, repairs and alterations.

73.8(1) General. All maintenance, repairs and alterations shall comply with ASME A17.1-2007/CSA B44-07 or ASME A17.7-2007/CSA B44-07, as applicable, except as noted in subrules 73.8(3) and 73.8(4). Rule 875—71.10(89A) describes alterations which require that the entire conveyance be brought into compliance with the most current code.

73.8(2) Exemption for button numbering. All maintenance, repairs and alterations to devices covered by ANSI A117.1 shall comply with ANSI A117.1 (2003), except for Rule 407.4.6.2.2.

73.8(3) Sump pump exemption. The provisions of ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.2.2, that require a pit sump or drain shall 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 labor commissioner with the alteration permit application.
- f. The labor commissioner 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.

73.8(4) Pit excavation exemption. The full length of the platform guard set forth in ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.15.9.2(a), shall not be 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.

73.8(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. The installation shall comply with the applicable version of ASME A17.1, Rule 2.8.3.3.
- b. The elevator controls shall be arranged to comply with 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 shall be determined by reference to rule 875—72.1(89A). For purposes of rule 875—73.8(89A), the relevant subrule of 875—72.1(89A) shall apply based on the date the sprinkler is installed instead of the date the conveyance was installed.

73.8(6) Safety bulkheads.

- a. ASME A17.1-2007, Rule 8.6.5.8, requires either:
 - (1) A safety bulkhead conforming to ASME A17.1-2007, Rule 3.18.3.4;
 - (2) Car safeties conforming to ASME A17.1-2007, Rule 3.17.1, and guide rails, guide rail supports and fastenings conforming to ASME A17.1-2007, Rule 3.23.1; or
 - (3) A plunger gripper conforming to ASME A17.1-2007, Rule 3.17.3, and set to grip when the applicable maximum governor tripping speed in ASME A17.1-2007, Table 2.18.2.1, is achieved.
- b. The deadline for compliance with ASME A17.1-2007, Rule 8.6.5.8, is July 1, 2011.
- c. Documentation from the manufacturer establishing that a safety bulkhead was installed shall establish compliance with this rule.

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