



Province of Alberta

SAFETY CODES ACT

ELEVATING DEVICES CODES REGULATION

Alberta Regulation 192/2015

Extract

© Published by Alberta Queen's Printer

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ALBERTA REGULATION 192/2015

Safety Codes Act

ELEVATING DEVICES CODES REGULATION

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B355-09 code

1(1) CAN/CSA-B355-09 Lifts for Persons with Physical Disabilities is declared in force with the variations set out in subsection (2).

(2) The following is added after Requirement 1.1:

1.1.1 If there is a conflict between the *Elevating Devices, Passenger Ropeways and Amusement Rides Permit Regulation* (AR 28/2012) and this Standard, that Regulation prevails over this Standard.

1.1.2 This Standard, and any standards and codes referenced in this Standard, do not make or imply any assurance or guarantee by the Crown with respect to the life expectancy, durability or operating performance of materials, appliances, systems and equipment referred to in this Standard or the standards and codes referenced in this Standard.

Z185-M87 (R2011) code

2(1) CAN/CSA-Z185-M87 (R2011) Safety Code for Personnel Hoists is declared in force with the variations set out in subsection (2).

(2) The following is added after Requirement 1.1:

1.1.1 If there is a conflict between the *Elevating Devices, Passenger Ropeways and Amusement Rides Permit Regulation*

(AR 28/2012) and this Standard, that Regulation prevails over this Standard.

1.1.2 This Standard, and any standards and codes referenced in this Standard, do not make or imply any assurance or guarantee by the Crown with respect to the life expectancy, durability or operating performance of materials, appliances, systems and equipment referred to in this Standard or the standards and codes referenced in this Standard.

B311-02 (R2012) code

3(1) CAN/CSA-B311-02 (R2012) Safety Code for Manlifts is declared in force with the variations set out in subsections (2) to (8).

(2) The following is added after Clause 1.1:

1.1.1 If there is a conflict between the *Elevating Devices, Passenger Ropeways and Amusement Rides Permit Regulation* (AR 28/2012) and this Standard, that Regulation prevails over this Standard.

1.1.2 This Standard, and any standards and codes referenced in this Standard, do not make or imply any assurance or guarantee by the Crown with respect to the life expectancy, durability or operating performance of materials, appliances, systems and equipment referred to in this Standard or the standards and codes referenced in this Standard.

(3) The definition of “door” in Clause 2.1 is amended by adding “expanded metal or” after “more”.

(4) Clause 6 is struck out.

(5) The following is added after Clause 7.11.1:

7.11.1.1 The horizontal distance between the sides of the hoistway landing opening and the outside edge of the car enclosure shall not exceed 200 mm on either side.

(6) In Clause 7.16.2.1 “or pounds, or both.” is struck out.

(7) The following is added after Clause 7.20.2:

7.20.2.1 The pitch diameter of governor sheaves and governor tension sheaves must be not less than 30 times the rope diameter.

(8) In the third line of Clause 7.28.12(a) “one of” is added after “rollers,”.

ASME A17.1-2013/CSA B44-13 code

4(1) ASME A17.1-2013/CSA B44-13 Safety Code for Elevators and Escalators is declared in force with the variations set out in subsections (2) to (25).

(2) The ASME Preface is amended by striking out “except Part 1, and 5.10, 8.1, 8.6, 8.7, 8.8, 8.9, 8.10, and 8.11, which” **and substituting** “except that Part 1, and 5.10, 8.1, 8.6, 8.7, 8.8 and 8.10 apply”.

(3) Requirement 1.1.3 is struck out and the following is substituted:

1.1.3 Application of Parts

This Code applies to new installations only, except that Part 1, and 5.10, 8.1, 8.6, 8.7, 8.8 and 8.10 apply to both new and existing installations.

1.1.3.1 If there is a conflict between the *Elevating Devices, Passenger Ropeways and Amusement Rides Permit Regulation* (AR 28/2012) and this Code, that Regulation prevails over this Code.

1.1.3.2 The definitions in the *Elevating Devices, Passenger Ropeways and Amusement Rides Permit Regulation* (AR 28/2012) apply to this Code.

1.1.3.3 This Code, and any codes and standards referenced in this Code, do not make or imply any assurance or guarantee by the Crown with respect to the life expectancy, durability or operating performance of materials, appliances, systems and equipment referred to in this Code or the codes and standards referenced in this Code.

(4) The following is added after Requirement 1.2.1:

1.2.1.1 Notwithstanding the requirements of 1.2.1(b) and (c), the acceptance of ASME A17.7/CSA B44.7 is at the sole discretion of the authority having jurisdiction.

(5) The following is added after Requirement 1.2.2.3:

1.2.2.4 In Alberta, the Alberta Building Code has been declared to be in force in place of the NBCC. Therefore,

- (a) wherever the phrase “in jurisdictions enforcing the NBCC” is used in this Code, it must be read as if it were a reference to “in Alberta”, and

- (b) where the context allows, references to “NBCC” in this Code must be read as references to “Alberta Building Code”.

(6) The following is added after Requirement 2.15.9.2:

2.15.9.2.1 Notwithstanding Requirement 2.15.9.2, all platform guards (aprons) will in no case be less than 1220 mm (48 in.). In the case of alterations, the platform guard shall be to a maximum length to fit the existing pit conditions.

(7) Requirement 2.27.11 to Requirement 2.27.11.6.10 are struck out.

(8) Sections 5.3, 5.4 and 5.8 are struck out.

(9) Requirement 5.10.1.9.5 is struck out and the following is substituted:

5.10.1.9.5 Openings of Hoistway Doors or Gates From the Landing Side

5.10.1.9.5.1 Regardless of the maximum car speed that an elevator is capable of reaching, the elevator’s hoistway doors or gates shall be provided with one of the following:

- (a) interlocks conforming to 2.12.2;
- (b) combination mechanical locks and electric contacts conforming to 2.12.3.

5.10.1.9.5.2 The mechanical locking device, when used on temporary doors, shall be self-latching.

NOTE: When permanent doors are installed, it is recommended that the mechanical locking function of the permanent interlocks be used.

(10) Section 5.11 is struck out.

(11) The following is added after Requirement 6.1.6.2.2:

6.1.6.2.2.1 Any existing escalator that is not equipped with an inspection switch must meet the requirements of 6.1.6.2.2.

(12) Sections 7.7 to 7.11 are struck out.

(13) The Note to Part 8, General Requirements, Scope is amended by striking out “Requirements 8.1, 8.6, 8.7, 8.9, 8.10, and 8.11” and substituting “Requirements 8.1, 8.6, 8.7, 8.8 and 8.10”.

(14) The following is added after Requirement 8.6.1.2.1:

NOTE: This Requirement applies as of September 1, 2017 to elevators installed or altered under ASME A17.1-2007/CSA B44-07 and earlier editions.

(15) The following is added after Requirement 8.6.1.2.2:**8.6.1.2.3 Maintenance Frequency**

8.6.1.2.3.1 The maintenance required by Requirement 8.6.1.2.1 must be carried out at least once every 3 months, unless Requirement 8.6.1.2.3.2 provides otherwise.

8.6.1.2.3.2 Extension of Intervals

If conditions such as frequency and types of usage or age and inherent quality of equipment make more frequent maintenance intervals unnecessary, the original elevator manufacturer, elevator maintenance contractor or professional engineer may extend the maintenance intervals up to (but not for a period greater than) one year, if such extension is consistent with the intent of the original manufacturer's maintenance program.

8.6.1.2.3.2.1 The original elevator manufacturer, elevator maintenance contractor or professional engineer implementing an extension permitted by 8.6.1.2.3.2 shall

- (a) send a letter signed by the original elevator manufacturer, elevator maintenance contractor or professional engineer who made the maintenance interval changes, describing the changes and rationale for the changes, to the owner of the elevating device or an authorized agent of the owner, and
- (b) place a copy of the letter described in clause (a) in the Log Book for the elevating device.

8.6.1.2.3.2.2 These documents shall contain the following information: the provincial I.D. and serial number of the device affected by the extension, the date when the extension will be put into effect and the name of the company.

(16) Requirement 8.6.1.3 is struck out and the following is substituted:**8.6.1.3 Maintenance Personnel**

Persons performing maintenance and tests, including repair and replacement work, must have training, be experienced and hold an Alberta Trade Certificate in the trade of Elevator Constructor or be an apprentice in the trade under the *Apprenticeship and Industry Training Act* under the direct supervision of a person

who holds an Alberta Trade Certificate in the trade of Elevator Constructor.

NOTE: Maintenance Personnel must:

- (a) understand operational and safety functions of all components of the installation maintained in order to appreciate all safety hazards for maintenance personnel and the general public that might be created during any maintenance procedure and tests;
- (b) be able to reasonably assess compatibility of replacement components;
- (c) be able to carry out the work required under this Requirement.

(17) Requirement 8.6.1.4.1(3)(a) to (f) is struck out and the following is substituted:

- (a) site name and address
- (b) service provider name and the printed name and signature of the persons who completed the task, except that where tasks are not yet completed, or where a part directly affecting the safety of the operation is found to be defective, the record of the maintenance task shall not be signed off until the task is completed or the defect is adjusted repaired or replaced
- (c) provincial I.D. number and OEM serial number
- (d) date of record
- (e) a description of the maintenance task, interval and associated requirements of 8.6 and 8.11
- (f) written confirmation that all requirements of 8.6 and 8.11 are complied with

(18) Section 8.6.1.5 is struck out and the following is substituted:

8.6.1.5 Code Data Plate

8.6.1.5.1 This Requirement only applies to elevating devices that were installed after the ASME A17.1- 2007/CSA B44-07 Code was adopted.

(19) Requirements 8.6.1.7 and 8.6.1.7.1 are struck out and the following is substituted:

8.6.1.7 Periodic Tests

The Maintenance Control Program (MCP) shall ensure that all inspection and tests required by 8.11 shall be completed as part of MCP.

8.6.1.7.1 Frequency of testing

Testing shall be performed at intervals as follows:

- (a) Category 1 tests are performed annually,
- (b) Category 3 tests are performed every 3 years, and
- (c) Category 5 tests are performed every 5 years.

NOTE: Requirements 8.6.1.7 and 8.6.1.7.1 apply as of September 1, 2017 to elevators installed or altered under ASME A17.1-2007/CSA B44-07 and earlier editions.

(20) Requirement 8.6.1.7.2 is struck out and the following is substituted:

8.6.1.7.2 Periodic Test Records and Tags

A metal tag with the applicable code requirement(s) and date(s) performed and the name of the person or firm performing the test shall be kept installed in accordance with 8.6.1.4 to be readily visible and securely attached to the controller of each unit for all 5-year periodic tests, and a permanent record shall be provided in the onsite record keeping system (log) capturing the same information as required by the tags for 1-year category tests.

(21) The following is added after Requirement 8.6.1.7.4:

8.6.1.7.5 Where a maintenance interval is extended under 8.6.1.7.2, the extension is not transferable to a new contractor.

(22) The following is added after Requirement 8.6.4.6.3:

8.6.4.6.4 Examination of Brakes

The driving machine brakes must be:

- (a) dismantled, cleaned and all components checked;
- (b) tested to ensure that the car decelerates from rated speed when the power is removed from the driving machine brake while an empty car is travelling in the up direction at rated speed.

NOTE: It is recommended that means other than the disconnect switch be used to remove power. Any rate of deceleration is acceptable, all factors considered, e.g., heat dissipation.

(23) Requirement 8.6.11.4 is struck out and the following is substituted:

8.6.11.4 Cleaning of a Car and Hoistway Transparent Enclosure

8.6.11.4.1 Unless Requirements 2.11.1.4 and 2.14.2.6 are met, cleaning of transparent enclosures on the exterior of an elevator car or on the interior of an elevator hoistway must be done under the direct supervision and presence of an elevator constructor.

(24) Requirement 8.10.1.1.2 is struck out and the following is substituted:

8.10.1.1.2 A person who installs or makes a major alteration to equipment must perform all of the applicable tests specified by Requirements 8.10.2 to 8.10.5 in the presence of an inspector specified in Requirement 8.10.1.1.1.

8.10.1.1.2.1 A person who alters equipment must perform all of the applicable tests specified by Requirements 8.10.2 to 8.10.5.

(25) Requirements 8.11.1.1 to 8.11.1.2 and 8.11.2.1 and Note (2) to Requirement 8.11.1.2 are struck out.**Code to be made available**

5 Every employer of an elevator mechanic or adjuster must ensure that they have a latest adopted *Elevating Devices Codes Regulation* and that the mechanic or adjuster has access to the adopted codes at the employer's office.

Repeal

6 The *Elevating Devices Codes Regulation* (AR 62/2009) is repealed.

Coming into force

7 This Regulation comes into force on March 1, 2016.



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