

STANDARD INFORMATION

Standard: ASME A17.5 / CSA B44.1

Standard ID:

Elevator and Escalator Electrical Equipment [ASME A17.5:2025 Ed.7]

Elevator and Escalator Electrical Equipment [CSA B44.1:2025 Ed.7]

Previous Standard ID:

Elevator and Escalator Electrical Equipment [ASME A17.5:2019 Ed.6+E1]

Elevator and Escalator Electrical Equipment [CSA B44.1:2019 Ed.6+E1]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: March 1, 2027

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Battery powered platform lifts and stair lifts for barrier-free access
- Short-circuit current rating
- Flame Text A
- Markings for Controllers for platform lifts and chair lifts
- Controllers for platform lifts or stair lifts for barrier-free access with an emergency power supply

Specific details of new/revise requirements are found in table below

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.
1	Info	Scope
1.1	Info	Electrical equipment covered by this Standard
		<i>New clause added;</i>
		Application
		This Standard applies to the electrical equipment for
1.1.1		a) elevators covered by ASME A17.1/CSA B44 and ASME A17.8/CSA B44.8; b) escalators; c) moving walks; d) dumbwaiters; e) material lifts; f) manlifts; and g) platform lifts and stair lifts for barrier-free access (see CSA B355), and platform lifts and stairway chairlifts (see ASME A18.1).
		<i>Clause deleted;</i>
1.4		This Standard does not apply to devices that are rated for connection to extra-low-voltage Class 2 supply circuits as defined in the applicable electrical code.
		Note: Extra-low-voltage circuits are circuits that have a voltage of not more than 30 V rms or 42.4 V peak.
3	Info	Construction
		<i>New clause added;</i>
3.4		Battery powered platform lifts and stair lifts for barrier-free access
		Platform lifts and stair lifts for barrier-free access that are only battery-powered under normal operation shall additionally comply with applicable requirements from CSA C22.2 No. 0.23 or UL 2595.
		<i>New section added;</i>
3.5		Short-circuit current rating



CLAUSE	VERDICT	COMMENT
General		
3.5.1		Elevator equipment incorporating components in the motor branch circuit shall be marked with the short-circuit current rating (SCCR) according to Clause 20.15. The SCCR shall be determined in accordance with Clauses 3.5.2 and 3.5.3.
Short-circuit current rating for an assembly in Canada		
3.5.2		In Canada, the SCCR for an assembly shall be determined <ul style="list-style-type: none"> a) by test according to Clause 19.1; or b) according to CSA C22.2 No. 286, Clause 4.13 and Annex C.
Short-circuit current rating for an assembly in the U.S.		
3.5.3		In the U.S., the SCCR for an assembly shall be determined <ul style="list-style-type: none"> a) by test according to Clause 19.1; or b) according to ANSI/UL 508A, Supplement SB.
6	Info	Polymeric enclosures
6.3	Info	Polymeric enclosure requirements
<i>New clause added;</i>		
Flame Test A		
6.3.3		Enclosures shall be tested in accordance with either <ul style="list-style-type: none"> a) the 125 mm (5.0 in) flame test, “Flame Test A — 125 mm Flame Test”, in Clause D.1 of CSA C22.2 No. 0.17; or b) the flame test for combustion-resistant materials in ANSI/UL 94.
20		Marking
Controllers for platform lifts and chair lifts		
For platform lifts and stair lifts for barrier-free access (see CSA B355), as well as those for platform lifts and stairway chairlifts (see ASME A18.1), shall be marked with the following or equivalent wording:		
20.22		CONTROLLER FOR ELEVATING DEVICES FOR PEOPLE WITH PHYSICAL DISABILITIES. CONTROLLER FOR PLATFORM LIFTS AND STAIR LIFTS FOR BARRIER-FREE ACCESS.
Or		
CONTROLLER FOR PLATFORM LIFTS AND STAIRWAY CHAIRLIFTS.		
Note: See Annex C for equivalent French wording.		



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
20.26		Controllers for platform lifts or stair lifts for barrier-free access with an emergency power supply Controllers for platform lifts or stair lifts provided with an emergency power supply for emergency lights in accordance with Clause 4.8.3 of CSA B355 or for an alarm in accordance with Clause 8.3.1 of CSA B355 shall be marked with the maximum allowable load in amps connected to the power supply.