



December 2017

At its meeting on December 15, 2017, the Ohio Board of Building Standards adopted the rule changes identified as Amendments Group 94. These rule amendments were adopted with an **effective date of January 1, 2018.**

Amendments Group 94 included the amended and rescind/adopt new Elevator rules shown below. For your use, the complete text of the final-filed rules can be found following this coversheet.

Rule Number	Action	Elevator Rule Title	Effective date
4101:5-1-01	Amend	Scope.	January 1, 2018
4101:5-1-03	Rescind/ New	Enforcement.	January 1, 2018
4101:5-3-01	Amend	Accepted engineering practice and approved standards.	January 1, 2018

Reason for Changes: To comply with the five year rule review requirement, the Board amended the Ohio Administrative Code rules as follows: **4101:5-1-01** to add stage lifts and wind turbine tower elevators and to remove material lifts, workmen’s hoists, and elevators within individual dwelling units from the list of elevators regulated/not regulated by the division of industrial compliance elevator division; **4101:5-1-03 (rescind and adopt new)** to clarify the scope of authority of the division of industrial compliance and certified building departments for enforcement of the Board’s rules for work in elevator hoistways; **4101:5-3-01** to update ASME A 17.1 standard from 2010 to 2016 edition, to update ASME A 17.3 standard from 2008 to 2015 edition, to add ASME A 17.8-2014 Standard for Wind Turbines, to update ASME A 18.1 standard from 2008 to 2014 edition, to update ASME A 90.1 standard from 2009 to 2015 edition, to add ESTA E1.42-2016 Standard for Orchestra and Pit Lifts and make general editorial changes and clarifications to notes.

Remaining elevator rules **4101:5-1-02, 4101:5-1-04, 4101:5-1-05, 4101:5-1-06, 4101:5-1-07,** and **4101:5-3-02** will remain without change.

If you should have any questions regarding these rule changes, please call BBS staff at (614)644-2613.

4101:5-1-01 **Scope.**

This code covers the design, construction, repair, alteration, and maintenance of:

(A) Passenger elevators;

(B) Freight elevators;

(C) Stage lifts;

~~(C)~~(D) Dumbwaiters;

~~(D)~~(E) Escalators;

~~(E)~~(F) Moving walks;

~~(F)~~(G) Belt Manlifts;

~~(G)~~(H) Mine elevators;;

(I) Wind turbine tower elevators

~~(H)~~(J) Special service elevators and other lifting and lowering equipment as provided for by section 4105.01 of the Revised Code, but shall not include the following:

- (1) Conveyors and related equipment within the scope of "ANSI B20.1";
- (2) Tiering or piling machines used to move material to and from storage and located and operating entirely within one story;
- (3) Equipment for feeding or positioning materials at machine tools, printing presses, etc.;
- (4) Hoists for raising or lowering materials and which are provided with unguided hooks, slings, and similar means for attachment to the materials;
- (5) Skip or furnace hoists;
- (6) Wharf ramps;
- (7) Amusement devices, but does include elevators in observation towers, etc.;
- (8) Lift bridges;
- (9) Railroad car lifts or dumpers;

(10) Material hoists and ~~workmen's hoists in place for the duration of the construction renovation or demolition of the project~~ material lifts; and

(11) Workmen's hoists in place for the duration of the construction renovation or demolition of the project; and

~~(H)~~(12) Elevators in one-, two-, and three-family dwelling houses within individual dwelling units.

Effective: 1/1/2018

Five Year Review (FYR) Dates: 10/17/2017 and 10/17/2022

CERTIFIED ELECTRONICALLY

Certification

12/22/2017

Date

Promulgated Under: 119.03

Statutory Authority: 4105.011(A)

Rule Amplifies: 4105.01, 4105.011(A), 4105.17

Prior Effective Dates: 4/1/74, 12/15/84, 2/1/96, 12/1/00, 4/1/02

4101:5-1-03**Enforcement.**

(A) The superintendent of the division of industrial compliance shall enforce all provisions of rules 4101:5-1-01 to 4101:5-3-02 and rules 1301:3-6-01 to 1301:3-6-06 of the Administrative Code relating to the design, construction, repair, alteration, and maintenance of elevators and elevator controls as defined in rule 4101:5-1-02 of the Administrative Code.

Exception: Municipal corporations, such as the city of Cleveland and the city of Cincinnati, which are authorized to adopt regulations for the regular inspection of elevators pursuant to section 4105.19 of the Revised Code.

(B) All requirements within the standards referenced in "Table 4101:5-3-01" of rule 4101:5-3-01 of the Administrative Code that relate to the construction of the building and the building service equipment located within an elevator hoistway enclosure, hoistway, machine room, and control room such as, but not limited to, requirements for wall materials, wall fire resistance ratings, fire and/or smoke dampers, means of egress doors and hardware, ladders, air conditioning systems, ventilation systems, fire protection systems, lighting systems, electrical power supply to the elevator controls, lighting switches, electrical disconnects and selective coordination of overcurrent protective devices (OCPD), plumbing, sanitary piping, and sump pits shall be enforced by the building official having jurisdiction as determined in division (A)(1) of section 3791.04 of the Revised Code.

Replaces: 4101:5-1-03
Effective: 1/1/2018
Five Year Review (FYR) Dates: 10/17/2022

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Promulgated Under: 119.03
Statutory Authority: 4105.011(A)
Rule Amplifies: 4105.02, 4105.03, 4105.04, 4105.07, 4105.08,
4105.10, 4105.11, 4105.16
Prior Effective Dates: 4/1/74, 2/1/96, 3/15/12

4101:5-3-01

Accepted engineering practice and approved standards.

Unless otherwise specifically provided for in rules 4101:1-30-01 or 4101:5-1-01 to 4101:5-3-02 of the Administrative Code, compliance with the applicable technical provisions and requirements of the standards listed in "Table 4101:5-3-01" of the Administrative Code is prima facie evidence of conformity with accepted engineering practice or with an approved standard governing the design, construction, repair, alteration and maintenance of elevators.

Table 4101:5-3-01

<u>Authority Promulgating Agency</u> (Note a)	<u>Designation Standard Identification</u> (Note e)	Edition	Title
ASME	A 17.1 (Note b)	2010 <u>2016</u>	Safety Code for Elevators and Escalators
ASME	A17.3 (Note d c)	2008 <u>2015</u>	Safety Code for Existing Elevators and Escalators.
ASME	A17.6	2010	Standard for Elevator Suspension, Compensation, and Governor Systems
ASME	A17.7	2007	Performance-based Safety Code for Elevators and Escalators
<u>ASME</u>	<u>A17.8</u>	<u>2016</u>	<u>Standard for Wind Turbine Tower Elevators</u>
ASME	A18.1	2008 <u>2014</u>	Safety Standard for Platform Lifts and Stairway Chairlifts
ASME	A 90.1	2009 <u>2015</u>	Safety Standard for Belt Manlifts

<u>ESTA</u>	<u>E1.42</u>	<u>2016</u>	<u>Design, Installation, and Use of Orchestra Pit Lifts</u>
Note a	ASME means the "American Society of Mechanical Engineers" and <u>ESTA means the "Entertainment Services and Technology Association"</u>		
Note b	Section 2.2.2.5-delete the last sentence; Section 8.11.1.1.2(a)-change to read as follows: Periodic tests, as required in 8.6, are not required to be witnessed by a general or special inspector.; Section 8.11.1.1.2(b)- change to read as follows: Periodic test reports shall be submitted to the division within five business days of the completion of the periodic test. The test reports shall be on forms prescribed by the superintendent and shall include the date and type of test(s) performed, detailed results of the test(s), and a statement as to any corrective action taken.		
Note e	Where additional standards are referenced both in the "Ohio Building Code" and the standards referenced within this rule, the applicable edition of the standard shall be the edition referenced in rule 4101:1-35-01 of the Administrative Code		
Note d <u>c</u>	The rules of the board shall not be retroactively applied to existing elevators that are not otherwise being altered or repaired. Portions of an elevator not altered and not affected by an alteration are not required to comply with the code requirements for a new elevator.		

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Promulgated Under: 119.03
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Rule Amplifies: 4105.011(A)
Prior Effective Dates: 4/1/74, 9/10/79, 7/1/84, 12/1/85, 7/1/88, 7/1/89,
1/1/92, 5/15/95, 4/1/99, 4/1/02, 1/1/03, 8/15/03,
3/1/05, 7/1/06, 3/15/12