



City of Phoenix

PLANNING & DEVELOPMENT DEPARTMENT

PHOENIX BUILDING CONSTRUCTION CODE

Amendment to 2007 American Society of Mechanical Engineers (ASME) Section A17.7

Submitted by: 2018 ASME/Elevator Code Committee

Recommendation:

Adopt ASME A17.7 2007 Performance-based safety code for elevators and escalators.

Reasons:

ASME A17.7/CSA B44.7 is the Performance-based code for elevators and escalators or the PBC. ASME A17.7/CSA B44.7 is a companion to the 2007 and later versions of the Safety Code for Elevators and Escalators, ASME A17.1/CSA B44 that provides Authorities Having Jurisdiction with an objective and structured method for approving new technology while ensuring continued elevator safety. Under ASME A17.7/CSA B44.7, safeguards must be provided and documentation must be presented that indicates designs and products are equivalent or superior to the current standards. It is important to remember that ASME A17.7/CSA B44.7 is not replacing ASME A17.1/CSA B44, but is a vital addition.

Cost Impact: No cost impact.

Approved in previous 2012 Code Adoption process: **YES** **NO**

This amendment was approved in previous code adoptions. It has subsequently been evaluated by the committee for applicability to the 2018 ASME and carried forward as presented.

ACTION TAKEN:

2018 Code Committee Date: December 14, 2017
 Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Technical Subcommittee Date: January 11, 2018
 Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Date: January 18, 2018
 Approved as submitted Modified and approved Denied No action taken

Downtown, Aviation, Economy, and Innovation Subcommittee Date: May 2, 2018
 Approved as submitted Modified and approved Denied No action taken

City Council Action Date: June 6, 2018
 Approved as submitted Modified and approved Denied No action taken

Adopted by City of Phoenix Ordinance G-6463 effective July 6, 2018



City of Phoenix

PLANNING & DEVELOPMENT DEPARTMENT

PHOENIX BUILDING CONSTRUCTION CODE

Amendment to 2010 American Society of Mechanical Engineers (ASME) Section A17.6

Submitted by: 2018 ASME/Elevator Code Committee

Recommendation:

Adopt 2010 version of A17.6 Safety Code for Elevators and Escalators.

Reasons:

This code covers the installation, inspection and replacement criteria for elevator suspension systems. It includes standards for new technology and updated standards for existing systems that have been removed from A17.1 section 2.20.

Cost Impact:

Reduces cost caused by delays obtaining code modifications or AECO certifications for newer suspension technology.

Approved in previous 2012 Code Adoption process: **YES** **NO**

This amendment was approved in previous code adoptions. It has subsequently been evaluated by the committee for applicability to the 2018 ASME and carried forward as presented.

ACTION TAKEN:

2018 Code Committee	Date: December 14, 2017
<input checked="" type="checkbox"/> Approved as submitted <input type="checkbox"/> Modified and approved <input type="checkbox"/> Denied	<input type="checkbox"/> No action taken
Development Advisory Board (DAB) Technical Subcommittee	Date: January 11, 2018
<input checked="" type="checkbox"/> Approved as submitted <input type="checkbox"/> Modified and approved <input type="checkbox"/> Denied	<input type="checkbox"/> No action taken
Development Advisory Board (DAB)	Date: January 18, 2018
<input checked="" type="checkbox"/> Approved as submitted <input type="checkbox"/> Modified and approved <input type="checkbox"/> Denied	<input type="checkbox"/> No action taken
Downtown, Aviation, Economy, and Innovation Subcommittee	Date: May 2, 2018
<input checked="" type="checkbox"/> Approved as submitted <input type="checkbox"/> Modified and approved <input type="checkbox"/> Denied	<input type="checkbox"/> No action taken
City Council Action	Date: June 6, 2018
<input checked="" type="checkbox"/> Approved as submitted <input type="checkbox"/> Modified and approved <input type="checkbox"/> Denied	<input type="checkbox"/> No action taken

Adopted by City of Phoenix Ordinance G-6463 effective July 6, 2018



City of Phoenix

PLANNING & DEVELOPMENT DEPARTMENT

PHOENIX BUILDING CONSTRUCTION CODE

Amendment to 2014 American Society of Mechanical Engineers (ASME) Section A18.1

Submitted by: 2018 ASME/Elevator Code Committee

Recommendation:

Adopt ASME A18.1 2014 Safety Standard for Platform Lifts and Stairway Chairlifts.

Reasons:

The ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts presents certain guides for the design, construction, installation, operation, inspection, testing, maintenance, and repair of inclined stairway chairlifts, and inclined and vertical platform lifts. It covers devices intended for transportation of a mobility-impaired person, only typically for applications within buildings and residences.

Cost Impact: No cost impact.

Approved in previous 2012 Code Adoption process: **YES** **NO**

This amendment was approved in previous code adoptions. It has subsequently been evaluated by the committee for applicability to the 2018 ASME and carried forward as presented.

ACTION TAKEN:

2018 Code Committee Date: December 14, 2017
 Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Technical Subcommittee Date: January 11, 2018
 Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Date: January 18, 2018
 Approved as submitted Modified and approved Denied No action taken

Downtown, Aviation, Economy, and Innovation Subcommittee Date: May 2, 2018
 Approved as submitted Modified and approved Denied No action taken

City Council Action Date: June 6, 2018
 Approved as submitted Modified and approved Denied No action taken

Adopted by City of Phoenix Ordinance G-6463 effective July 6, 2018



PHOENIX BUILDING CONSTRUCTION CODE

**Amendment to 2015 American Society of Mechanical Engineers (ASME)
Section A17.3**

Submitted by: 2018 ASME/Elevator Code Committee

Recommendation:
Adopt 2015 version of A17.3 Safety Code for Elevators and Escalators.

Reasons:
The purpose of this Code is to establish minimum requirements that will provide a reasonable degree of safety for the general public. While many of these requirements will also increase the degree of safety for the elevator mechanic and inspector.

Cost Impact: No cost impact.

Approved in previous 2012 Code Adoption process: YES NO

This amendment was approved in previous code adoptions. It has subsequently been evaluated by the committee for applicability to the 2018 ASME and carried forward as presented.

ACTION TAKEN:

2018 Code Committee Date: December 14, 2017
 Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Technical Subcommittee Date: January 11, 2018
 Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Date: January 18, 2018
 Approved as submitted Modified and approved Denied No action taken

Downtown, Aviation, Economy, and Innovation Subcommittee Date: May 2, 2018
 Approved as submitted Modified and approved Denied No action taken

City Council Action Date: June 6, 2018
 Approved as submitted Modified and approved Denied No action taken

Adopted by City of Phoenix Ordinance G-6463 effective July 6, 2018



PHOENIX BUILDING CONSTRUCTION CODE

**Amendment to 2015 American Society of Mechanical Engineers (ASME)
A17.1 Section 2.27.8**

Submitted by: 2018 ASME/Elevator Code Committee

Recommendation:

2.27.8 Switch Keys.

The key switches required by 2.27.2 through 2.27.5 for all elevators in a building shall be operable by the ~~FEO-K1~~ same key. The keys shall be Group 3 Security (see 8.1).

A separate key shall be provided for each switch. These keys shall be kept on the premises in a location readily accessible to firefighters and emergency personnel, but not where they are available to the public. ~~This key shall be of a tubular, 7 pin, style 137 construction and shall have a biting code of 6143521 starting at the tab sequenced clockwise as viewed from the barrel end of the key.~~ The key shall be coded the "AZFS" key as designated by the authority having jurisdiction. The possession of the ~~"FEO-K1"~~ "AZFS" key shall be limited to elevator personnel, emergency personnel, elevator equipment manufacturers, and authorized personnel during checking of Firefighters' Emergency Operation (see 8.1 and 8.6.11.1).

Where provided, a lock box, including its lock and other components, shall conform to the requirements of UL 1037 (see Part 9).

Note (2.27.8): Local authorities may specify additional requirements for a uniform keyed lock box and its location, to contain the necessary keys.

Reasons:

Existing fire service key used by fire department and emergency personnel.

Cost Impact: No cost impact.

Existing keys are already changed over to "AZFS".

Approved in previous 2012 Code Adoption process: **YES** **NO**

This amendment was approved in previous code adoptions. It has subsequently been evaluated by the committee for applicability to the 2018 ASME and carried forward as presented.

ACTION TAKEN:

2018 Code Committee Date: December 14, 2017
 Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Technical Subcommittee Date: January 11, 2018
 Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Date: January 18, 2018
 Approved as submitted Modified and approved Denied No action taken

Downtown, Aviation, Economy, and Innovation Subcommittee Date: May 2, 2018
 Approved as submitted Modified and approved Denied No action taken

City Council Action Date: June 6, 2018
 Approved as submitted Modified and approved Denied No action taken

Adopted by City of Phoenix Ordinance G-6463 effective July 6, 2018



City of Phoenix

PLANNING & DEVELOPMENT DEPARTMENT

PHOENIX BUILDING CONSTRUCTION CODE

Amendment to 2016 American Society of Mechanical Engineers (ASME) Section A17.1

Submitted by: 2018 ASME/Elevator Code Committee

Recommendation:

Adopt 2016 version of A17.1 Safety Code for Elevators and Escalators.

Reasons:

As elevator and escalator equipment ages and new technology advances are made, the codes that govern safety are also modified. The 2016 edition of ASME A17.1/CSA B44 offers multiple changes designed to increase safety, address new technology and clarify or enhance existing requirements.

Cost Impact: No cost impact.

Approved in previous 2012 Code Adoption process: YES NO

This amendment was approved in previous code adoptions. It has subsequently been evaluated by the committee for applicability to the 2018 ASME and carried forward as presented.

ACTION TAKEN:

2018 Code Committee Date: December 14, 2017

Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Technical Subcommittee Date: January 11, 2018

Approved as submitted Modified and approved Denied No action taken

Development Advisory Board (DAB) Date: January 18, 2018

Approved as submitted Modified and approved Denied No action taken

Downtown, Aviation, Economy, and Innovation Subcommittee Date: May 2, 2018

Approved as submitted Modified and approved Denied No action taken

City Council Action Date: June 6, 2018

Approved as submitted Modified and approved Denied No action taken

Adopted by City of Phoenix Ordinance G-6463 effective July 6, 2018