

# CHAPTER 16

## REFERENCED STANDARDS

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**User note:**

**About this chapter:** This code contains numerous references to standards that are used to regulate materials and methods of construction. Chapter 16 contains a comprehensive list of all standards that are referenced in the code, including the appendices. The standards are part of the code to the extent of the reference to the standard. Compliance with the referenced standard is necessary for compliance with this code. By providing specifically adopted standards, the construction and installation requirements necessary for compliance with the code can be readily determined. The basis for code compliance is, therefore, established and available on an equal basis to the building code official, contractor, designer and owner.

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 102.4.

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### ASCE/SEI

American Society of Civil Engineers  
Structural Engineering Institute  
1801 Alexander Bell Drive  
Reston, VA 20191-4400

**7—16: Minimum Design Loads and Associated Criteria for Buildings and Other Structures**

303.2, ~~303.1.7~~, 303.3.1, 503.4, 503.12, 800.3 (~~(,806.4)~~)

~~**(31-03: Seismic Evaluation of Existing Buildings**~~

~~303.1.4, 303.1.5, 305.4, 305.4.2, Table 305.4.2, 907.2)~~

**41—17: Seismic Evaluation and Retrofit of Existing Buildings**

303.3.1, Table 303.3.1, 303.3.2, Table 303.3.2

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### ASHRAE

ASHRAE  
1791 Tullie Circle, NE  
Atlanta, GA 30329

**62.1—2016: Ventilation for Acceptable Indoor Air Quality**

808.2

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### ASME

American Society of Mechanical Engineers  
Two Park Avenue  
New York, NY 10016

~~**(ASME A17.1—2016/CSA B44—16)**~~ **A17.1/CSA B44-2019: Safety Code for Elevators and Escalators**

305.8.2 (~~(,902.1.2)~~)

~~**(A17.3—2015: Safety Code for Existing Elevators and Escalators**~~

~~902.1.2)~~

**A18.1—(~~2014~~) 2017: Safety Standard for Platform Lifts and Stairway Chair Lifts**

305.8.3

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### ASTM

ASTM International  
100 Barr Harbor Drive, P.O. Box C700  
West Conshohocken, PA 19428-2959

**C94/C94M—15A: Specification for Ready-mixed Concrete**

109.3.1

**E84—2016: Standard Test Method for Surface Burning Characteristics of Building Materials**

1204.9

**E108—16: Standard Test Methods for Fire Tests of Roof Coverings**

1204.5

*This page has been revised to include errata corrections effective July 6, 2021.*

## REFERENCED STANDARDS

### ASTM—continued

**E136—16: Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C**

202

**F2006—17: Standard Safety Specification for Window Fall Prevention Devices for Non Emergency Escape (Egress) and Rescue (Ingress) Windows**

505.2, 702.4

**F2090—17: Standard Specification for Window Fall Prevention Devices with Emergency (Egress) Release Mechanisms**

505.2, 505.3, 702.4, 702.5

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## ICC

International Code Council, Inc.  
500 New Jersey Avenue, NW  
6th Floor  
Washington, DC 20001

**IBC—18: International Building Code®**

101.4.1, 104.2.1, 106.2.2, 109.3.3, 109.3.6, 109.3.9, 110.2, 202, 301.3, 302.5.1, 302.6, ~~(303.1)~~  
~~303.1.3, 303.1.3.1, 303.1.4, 303.1.7, 303.3.1, 303.3.1.1, 303.3.2, 304, 305.4, 305.4.2, 305.6, 305.8.1,~~  
~~305.8.4, 305.8.5, 305.8.6, 305.8.7, 305.8.8, 305.8.10, 305.8.11, 305.8.15, 305.9, 305.9.3, 305.9.4,~~  
~~308.1, 308.3, 310.1, 401.2, 402.3, 405.2.1.1, 405.2.3.1, 405.2.3.3, 405.2.4, 405.2.5, 501.2, 502.1,~~  
~~502.3, ~~(502.4)~~~~ 502.5, 503.1, 503.2, 503.3, 503.4, 503.5, 503.11, 503.12, 503.13, 503.16.1, 503.16.2,  
503.16.3, 505.2, 505.3, 505.4, 506.1, 506.3, 506.4.1, 506.4.2, 506.4.3, 506.4.4, 507.3, 701.2, ~~(701.3)~~  
701.4, 702.1, 702.2, 702.3, 702.4, 702.5, 702.6, ~~(705.1)~~ 706.2, 801.3, 802.2.1, 802.2.3, 802.3, 802.4,  
802.5.2, 802.6, 803.1.1, 803.2, 803.2.2, 803.2.3, 803.3, 805.3.1, 805.3.1.1, Table 805.3.1.1(1),  
805.3.1.2.1, 805.4.3, 805.4.5, 805.5, 805.6, 805.7.1, 805.8.1, 805.9.2, 805.10.1.1, 805.10.1.2,  
805.10.1.3, 805.10.2, 805.11.2, ~~(806.2, 806.3)~~ ~~(806.4)~~ 904.1.2, 904.1.3, 904.1.4, 904.2, 904.2.1,  
904.2.2, 905.2, 905.3, 906.2, 906.3, 1001.2, 1001.3, 1002.1, 1002.2, 1004.1, 1006.1, 1006.2, 1006.3,  
1006.4, 1010.1, 1011.1, 1011.1.1.1, 1011.1.1.2, 1011.2.1, 1011.2.2, 1011.3, 1011.4.1, 1011.4.2,  
1011.4.3, 1011.5.1, 1011.5.1.1, 1011.5.3, 1011.6.1, 1011.6.3, 1011.7.1, 1011.7.2, 1011.7.3, 1102.1,  
1102.2, 1102.3, ~~(1103.1)~~ 1103.2, 1103.3, 1201.4, 1202.2, 1203.12, 1204.2, 1204.9, 1206.1,  
1301.2.2, 1301.2.3, 1301.2.4, 1301.3.3, 1301.4.1, 1301.6.1, 1301.6.1.1, 1301.6.2, 1301.6.2.1,  
1301.6.3.1, 1301.6.3.2, 1301.6.4.1, 1301.6.5, 1301.6.5.1, 1301.6.6, 1301.6.7.1, 1301.6.8, 1301.6.9,  
1301.6.9.1, 1301.6.10, 1301.6.10.1, 1301.6.11, 1301.6.11.1, 1301.6.12.1, 1301.6.13, 1301.6.15.1,  
1301.6.16.1, 1301.6.17, 1301.6.17.1, 1301.6.18, 1301.6.18.1, 1301.6.19, Table 1301.6.19, 1301.6.20,  
1401.2, 1402.1, 1402.2, 1402.2.1, 1402.3, 1402.4, 1402.5, 1402.6, 1501.5, 1501.6.1, 1501.6.4.1,  
1501.6.7, 1506.3

**ICC A117.1—09: Accessible and Usable Buildings and Facilities**

301.5, 305.8.2, 305.8.3, 305.8.10

**ICC 300—17: ICC Standard on Bleachers, Folding and Telescopic Seating and Grandstands**

501.1

**ICC 500—14: Standard for the Design and Construction of Storm Shelters**

1106.1

**IECC—18: International Energy Conservation Code®**

302.3, 702.6, 707.1, 810.1, 907.1, 1107.1

**IFC—18: International Fire Code®**

101.4.2, 301.3.1, 302.3, ~~(502.6, 502.7)~~ 502.3, 502.4, 503.14, 503.15, 802.2.1, 802.2.3, 803.4.1.1,  
803.4.1.2, 803.4.1.3, 803.4.1.4, 803.4.1.5, 803.4.1.6, 803.4.1.7, 803.4.3, 804.1, 1011.5.1.1, 1104.1,  
1105.1, 1301.3.2, 1301.6.8.1, 1301.6.14, 1304.6.14.1, 1401.2, 1501.5, 1504.1, 1504.2

**IFGC—18: International Fuel Gas Code®**

302.3, 702.6.1

**IMC—18: International Mechanical Code®**

302.3, 702.6, 808.1, 902.1.1, 1008.1, 1301.6.7.1, 1301.6.8, 1301.6.8.1

**IPC—18: International Plumbing Code®**

302.3, 408.1, 702.6, 809.1, 1009.1, 1009.2, 1009.3, 1009.5, 1501.7

**IPMC—18: International Property Maintenance Code®**

101.4.2, 302.3, 1301.3.2, 1401.2

ICC—continued

**IRC—18: International Residential Code®**

101.2, 101.4.1, 302.3, 310.1, 310.1.1, 401.3, 402.3, 405.2.5, ((~~502.3, 502.4, 502.5, 502.7~~)) 502.4, 503.2, 503.3, 503.11, 505.2, 505.3, 507.3, 701.3, 702.4, 702.5, 706.2, 707.1, ((~~806.2~~)) 807.3, 810.1, 906.2, 907.1, ((~~1103.1, 1103.2, 1103.3, 1103.4~~)) 1104.1, 1105.1, 1107.1, 1201.4, 1301.2.2, 1301.2.3, 1301.3.3, 1401.2, 1402.1, 1402.2, 1402.2.1, 1402.3, 1402.4, 1402.5, 1402.6

**NFPA**

National Fire Protection Agency  
1 Batterymarch Park  
Quincy, MA 02169-7471

**NFPA 13R—16: Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height**

803.2.4

**NFPA 70—17: National Electrical Code**

107.3, 302.3, 406.1.1, 406.1.2, 406.1.3, 406.1.4, 406.1.5, 807.1, 807.3.4, 807.3.7, 1007.1, 1007.2, 1007.3, 1007.4

**NFPA 72—16: National Fire Alarm and Signaling Code**

803.2.4, 803.4

**NFPA 99—18: Health Care Facilities Code**

406.1.4

**NFPA 101—18: Life Safety Code**

805.2

**UL**

UL LLC  
333 Pfingsten Road  
Northbrook, IL 60062

**723—08: Standard for Test for Surface Burning Characteristics of Building Materials—with Revisions through August 2013**

1204.9

**790—04: Standard Test Methods for Fire Tests of Roof Coverings—with Revisions through July 2014**

1204.5

