Chapter 35 Referenced Standards

CALIFORNIA BUILDING CODE — MATRIX ADOPTION TABLE
CHAPTER 35 — REFERENCED STANDARDS

(Matrix Adoption Tables are nonregulatory, intended only as an aid to the code user. See Chapter 1 for state agency authority and building applications.)

Adopting agency	BSC	BSC-CG	SFM	HCD			DSA			OSHPD						BSCC	DH	AG	DW	CE	C	S	SL
				1	2	1/A	AC	SS	SS/C	1	1R	2	3	4	5								
Adopt entire chapter	X												X										
Adopt entire chapter as amended (amended sections listed below)			X	X	X	X		X	X	X	X	X		X	X								
Adopt only those sections that are listed below							X																X
Chapter/Section																							
AAMA 501.4-09										X	X	X		X	X								
AAMA 501.6-09								X	X	X	X	X		X	X								
AAMA TIR A8-16								X	X	X	X	X		X	X								
ACI 355.2-07								X	X	X	X	X		X	X								
ACI 355.4-11								X	X	X	X	X		X	X								
ACI 440.2R-08										X	X	X		X	X								
ACI 503.7-07										X	X	X		X	X								
ACI 506R-16								X	X	X	X	X		X	X								
ACI 506.2-13								X	X	†	†	†		†	†								
AISC 358-16								X	X	X				X									
ANSI/DASMA 103-2017				X	X																		
ANSI/AWC NDS-2018										X				X									
APA/ANSI 117-15								X	X	X	X	X		X	X								
ANSI/APA A190.1-17								X	X	X	X	X		X	X								
ANSI S3.41			X																				
ASCE/SEI 7-16								X	X	X	X	X		X	X								
ASCE/SEI 19-10										X	X	X		X	X								
ASCE/SEI 41-13								†	†	X	X	X		X	X								
ASCE/SEI 41-17								X	X	†	†	†		†	†								
ASCE/SEI 49-12								X	X	X				X									
ASME A17.1/CSA B44-16			X				X																
ASME A18.1-2014							X																
ASME BPE-2009			X																				
ASTM A153/A153M-16a								X	X	X	X	X		X	X								
ASTM A227/A227M-17				X	X																		
ASTM A229/A229M-17				X	X																		
ASTM A722/A722M-15										X	X	X		X	X								
ASTM A1064-17								X	X	X	X	X		X	X								
ASTM B695-04 *(2016)*								X	X	X	X	X		X	X								
ASTM C94/C94M-17								X	X	X	X	X		X	X								
ASTM C150/C150M-15								X	X	†	†	†		†	†								

Exported from UpCodes

ASTM C150/*C150M-17*								†	†	X	X	X		X	X								
ASTM C270-14a								X	X	X	X	X		X	X								
ASTM C595/C595M-17								X	X	X	X	X		X	X								
ASTM C618-15								†	†	X	X	X		X	X								
ASTM C618-17								X	X	†	†	†		†	†								
ASTM C635/C635M-13a								†	†	X	X	X		X	X								
ASTM C635/C635M-17								X	X	†	†	†		†	†								
ASTM C636/C636-13								†	†	X	X	X		X	X								
ASTM C636/C636M-*17*								X	X	†	†	†		†	†								
ASTM C989-16e1								†	†	X	X	X		X	X								
ASTM C989-17								X	X	†	†	†		†	†								
ASTM C1019-16								X	X	X	X	X		X	X								
ASTM C1157/C1157M-17								X	X	X	X	X		X	X								
ASTM C1249-06a								X	X	X	X	X		X	X								
ASTM C1392-00 (2014)								X	X	X	X	X		X	X								
ASTM C1394-03 (2012)										X	X	X		X	X								
ASTM C1401-14										X	X	X		X	X								
ASTM C1586-05 (2011)										X	X	X		X	X								
ASTM C1586-11										X	X	X		X	X								
ASTM D1586-11								X	X	X	X	X		X	X								
ASTM D3966-07 (2013)								X	X	X	X	X		X	X								
ASTM D5778-12								X	X	X	X	X		X	X								
ASTM E580/E580M-17								X	X	X	X	X		X	X								
ASTM E648-15e1			X					X	X														
ASTM E662-17a			X					X	X														
ASTM E2632/E2632M-13			X																				
ASTM E2707-15			X																				
ASTM E2726/E2726-12a			X																				
ASTM E3121-17								†	†	X	X	X		X	X								
ASTM F606/F606M-16								X	X	X	X	X		X	X								
ASTM F1292-99							X																
ASTM F1292-04							X																
ASTM F1487-01							X																
ASTM F1951-99							X																
AWPA U1-16								X	X														
AWPA U1-*17*										X	X	X		X	X								
AWS D1.1/D1.1M-15								X	X	X	X	X		X	X								
AWS D1.2/D1.2M-15								X	X	X	X	X		X	X								
AWS D1.3/D1.3M-08								X	X	X	X	X		X	X								
AWS D1.4/D1.4M-11								X	X	X	X	X		X	X								
AWS D1.8/D1.8M-16								X	X	X	X	X		X	X								
AWS QCI-16								X	X	X	X	X		X	X								
BHMA A156.10-2011							X																
BHMA A156.19-2013							X																

Exported from UpCodes

FM 1950-16								X	X	X	X	X		X	X								
FM 3011-99			X																				
FM 3260-00			X																				
FM 4430-80			X																				
ICC-ES AC01-18								X	X	X	X	X		X	X								
ICC-ES AC58-18								X	X	X	X	X		X	X								
ICC-ES AC70-18								X	X	X	X	X		X	X								
ICC ES AC77			X																				
ICC-ES AC106-18								X	X	X	X	X		X	X								
ICC-ES AC125-18								X	X	X	X	X		X	X								
ICC-ES AC156-18								X	X	X	X	X		X	X								
ICC-ES AC178-18								X	X	X	X	X		X	X								
ICC-ES AC193-18								X	X	X	X	X		X	X								
ICC-ES AC232-18								X	X	X	X	X		X	X								
ICC-ES AC308-18								X	X	X	X	X		X	X								
ICC ES AC331			X																				
ICC-ES AC358-18								X	X	X	X	X		X	X								
ICC-ES AC446-18								X	X	X	X	X		X	X								
ISO 9001-15										X	X	X		X	X								
NFPA 11-16			X																				X
NFPA 13-*16*			X																				
NFPA 13D-*16*			X																				
NFPA 13R-*16*			X																				
NFPA 14-*16*			X																				
NFPA 22-*13*			X																				
NFPA 24-*16*			X																				X
NFPA 25-*13CA*			X																				X
NFPA 32-16			X																				
NFPA 37-15			X																				
NFPA 54-*15*			X																				
NFPA 72-16			X				X																X
NFPA 110-16			X																				X
NFPA 111-13			X																				X
NFPA 130-14			X																				
NFPA 502-14			X																				
NFPA 1124-17			X																				
NFPA 2001-15			X																				
PCI MNL 120-17								X	X	X	X	X		X	X								
PTI DC35.1-14								X	X	X	X	X		X	X								
SFM 12-3			X																				
SFM 12-7-3			X																				
SFM 12-7A-1			X																				
SFM 12-7A-2			X																				
SFM 12-7A-3			X																				

Exported from UpCodes

SFM 12-7A-4			X																			
SFM 12-7A-4A			X																			
SFM 12-7A-5			X																			
SFM 12-8-100			X																			
SFM 12-10-1			X																			
SFM 12-10-2			X																			
SFM 12-10-3			X																			
TMS 402-2016								X	X	X	X	X		X	X							
TMS 602-2016								X	X	X	X	X		X	X							
UBC 15-2			X																			
UBC 15-3			X																			
UBC 15-4			X																			
UL 13-96			X																			
UL 38-99			X																			
UL 193-04			X																			
UL 199-95			X																			
UL 228-97			X																			
UL 260-04			X																			
UL 262-04			X																			
UL 268A-09			X																			
UL 312-04			X																			
UL 346-05			X																			
UL 464-03			X																			
UL 497B-04			X																			
UL 521-99			X																			
UL 539-00			X																			
UL 632-00			X																			
UL 753-04			X																			
UL 813-96			X																			
UL 857-13										X	X	X		X	X							
UL 864-03			X																			

The state agency does not adopt sections identified with the following symbol: ***†***

The Office of the State Fire Marshal's adopted of this chapter or individual sections is applicable to structures regulated by other state agencies pursuant to Section 1.11.

User note:

About this chapter: *The* International Building Code® *contains numerous references to standards promulgated by other organizations that are used to provide requirements for materials and methods of construction. This chapter contains a comprehensive list of all standards that are referenced in this code. These standards, in essence, are part of this code to the extent of the reference to the standard.*

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 Chapter 1, Scope and Administration, Division 1, Sections 1.1.5 and 1.1.7, and in Chapter 1, Scope and Administration, Division II, Section 102.4, *as applicable.*

[DSA-SS, DSA-SS/CC & OSHPD 1 & 4]*Reference to other chapters. In addition to the code sections referenced, the standards listed in this chapter are applicable to the respective code sections in Chapters 16A, 17A, 18A, 19A, 21A and 22A.*

Exported from UpCodes

Manual: Part 1—A Specification for Aluminum Structures	
1604.3.5, 2002.1	

ASM 35—00 Aluminum Sheet Metal Work in Building Construction (Fourth Edition)	
2002.1	

AAMA

American Architectural Manufacturers Associatio
1827 Waldon Office Square, Suite 550
Schaumburg, IL 60173

711—16 Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	
1404.4	

714—15 Voluntary Specification for Liquid Applied Flashing Used to Create a Water-resistive Seal around Exterior Wall Openings in Buildings	
1404.4	

1402—09 Standard Specifications for Aluminum Siding, Soffit and Fascia	
1403.5.1	

AAMA/WDMA/CSA 101/I.S.2/A440—17 North American Fenestration Standard/Specifications for Windows, Doors and Skylights	
1709.5.1, 2405.5	

501.4-09 *Recommended Static Test Method for Evaluating Curtain Wall and Storefront Systems Subjected to Seismic and Wind Induced Interstory Drifts*	
2410.1	

501.6-09 *Recommended Dynamic Test Method for Determining the Seismic Drift Causing Glass Fallout from a Wall System*	
2410.1	

TIR A8-16 *Structural Performance of Composite Thermal Barrier Framing Systems*	
2411.1	

Exported from UpCodes

ACI

American Concrete Institut
38800 Country Club Drive
Farmington Hills, MI 48331

216.1—14	Code Requirements for Determining Fire Resistance of Concrete and Masonry Construction Assemblies	Table 721.1(2), 722.1
318—14	Building Code Requirements for Structural Concrete	722.2.4.3, 1604.3.2, 1616.2.1, 1616.3.1, 1704.5, Table 1705.3, 1705.3.2, *Table 1705A.2.1, Table 1705A.3,* 1808.8.2, Table 1808.8.2, 1808.8.5, 1808.8.6, 1810.1.3, 1810.2.4.1, 1810.3.2.1.1, 1810.3.2.1.2, 1810.3.8.3.1, 1810.3.8.3.3, 1810.3.9.4.2.1, 1810.3.9.4.2.2, 1810.3.10.1, 1810.3.11.1, 1810.3.12, *1810A.3.10.4,* 1901.2, 1901.3, *1901.3.4.4,* 1902.1, 1903.1, 1904.1, 1904.2, 1905.1, 1905.1.1, 1905.1.2, 1905.1.3, 1905.1.4, 1905.1.5, 1905.1.6, 1905.1.7, 1905.1.8, 1906.1, *1909.2, 1909.3, 1903A, 1904A, 1905A, 1910A.5.4,* 2108.3, 2206.1
355.2—07	*Qualification of Post-Installed Mechanical Anchors in Concrete and Commentary*	*1617A.1.19*
355.4—11	*Qualification of Post-Installed Adhesive Anchors in Concrete and Commentary*	*1617A.1.19*
440.2R-08	*Guide for the Design and Construction of Externally Bonded FRP Systems for Strengthening Concrete Structures*	*1911.3, 1911A.3*
503.7—07	*Specification for Crack Repair by Epoxy Injection*	*1911.2, 1911A.2*
506R—16	*Guide to Shotcrete*	*1908.1, 1908A.1, 1908.3, 1908A.3, 1908.12, 1908A.12*
506.2—13	*[DSA-SS, DSA-SS/CC] Guide to Shotcrete*	*1908A.1, 1908A.9*

AISC

American Institute of Steel
130 East Randolph Street, Suite 200
Chicago, IL 60601-6219

Exported from UpCodes

ANSI/AISC 341—16 Seismic Provisions for Structural Steel Buildings 1705.12.1.1, 1705.12.1.2, 1705.13.1.1, 1705.13.1.2, 2205.2.1.1, 2205.2.1.2, 2205.2.2, 2206.2.1, *1705A.2.1, 1705A.2.5, 2212.2, 2205A, 2206A, 2205.3*			
358—16 *Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications* *1705A.2.1, 2205A, 2205.4, 2206A.2, 2206.2.1, 2212.3, 3413A*			
ANSI/AISC 360—16 Specification for Structural Steel Buildings 722.5.2.2.1, 1604.3.3, 1705.2.1, 2202.1, 2203.1, 2205.1, 2205.2.1.1, 2206.1, *1705A.2.1, Table 1705A.2.1, 1705A.2.5, 2212.1.1, 2204A.4, 2212A.1.2. 2212A.2.1, 2204.4*			
AISI	AISI S100—16 North American Specification for the Design of Cold-formed Steel Structural Members, 2016 1604.3.3, 1905.1.8, 2202.1, 2203.1, 2210.1, 2210.2, *2211A.2*	American Iron and Steel Institute 25 Massachusetts Avenue, NW Suite 80 Washington, DC 20001	
AISI S202—15 Code of Standard Practice for Cold-formed Steel Framing, 2015 2211.1.3.1			
AISI S220—15 North American Standard for Cold-formed Steel Framing—Nonstructural Members, 2015 2202.1, 2203.1, 2211.2, Table 2506.2, Table 2507.2			
AISI S230—15 Standard for Cold-formed Steel Framing—Prescriptive Method for One- and Two-family Dwellings, 2015 1609.1.1, 1609.1.1.1, 2211.1.2			
AISI S240—15 North American Standard for Cold-Formed Steel Structuring Framing, 2015 1705.2.2.2, 2202.1, 2203.1, 2211.1, 2211.1.1.1, 2211.1.3.3, Table 2306.12.2, Table 2506.2, Table 2507.2, Table 2603.12.1			
AISI S400—15/S1—16			

Exported from UpCodes

North American Standard for Seismic Design of Cold-formed Steel Structural Systems, 2015, with Supplement 1, dated 2016.

2210.2, 2211.1.1.1, 2211.1.1.2

ALI

ALI ALCTV—2016

Standard for Automotive Lifts—Safety Requirements for Construction, Testing and Validation (ANSI)

Automotive Lift Institute, Inc
P.O. Box 85
Cortland, NY 13045

Table 3001.3

AMCA

Air Movement and Control Association Internationa
30 West University Drive
Arlington Heights, IL 60004

540—13

Test Method for Louvers Impacted by Wind Borne Debris

1609.2.1

ANSI

American National Standards Institut
25 West 43rd Street, Fourth Floor
New York, NY 10036

A13.1—2015

Scheme for the Identification of Piping Systems

415.11.6.5

A108.1A—16

Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar

2103.2.3

A108.1B—99

Installation of Ceramic Tile, Quarry Tile on a Cured Portland Cement Mortar Setting Bed with Dry-set or Latex-Portland Mortar

2103.2.3

A108.4—99

Installation of Ceramic Tile with Organic Adhesives or Water-cleanable Tile-setting Epoxy Adhesive

2103.2.3.6

A108.5—99

Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex-Portland Cement Mortar

2103.2.3.1, 2103.2.3.2

A108.6—99

Installation of Ceramic Tile with Chemical-

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resistant, Water Cleanable Tile-setting and -grouting Epoxy	2103.2.3.3
A108.8—99 Installation of Ceramic Tile with Chemical-resistant Furan Resin Mortar and Grout	2103.2.3.4
A108.9—99 Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout	2103.2.3.5
A108.10—99 Installation of Grout in Tilework	2103.2.3.7
A118.1—16 American National Standard Specifications for Dry-set Portland Cement Mortar	2103.2.3.1
A118.3—13 American National Standard Specifications for Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy and Water Cleanable Tile-setting Epoxy Adhesive	2103.2.3.3
A118.4—16 American National Standard Specifications for Modified Dry-set Cement Mortar	2103.2.3.2, 2103.2.4
A118.5—99 American National Standard Specifications for Chemical Resistant Furan Mortar and Grouts for Tile Installation	2103.2.3.4
A118.6—10 American National Standard Specifications for Cement Grouts for Tile Installation	2103.2.3.7
A118.8—99 American National Standard Specifications for Modified Epoxy Emulsion Mortar/Grout	2103.2.3.5
A136.1—08	

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American National Standard Specifications for the Installation of Ceramic Tile			2103.2.3.6
A137.1—17			
American National Standard Specifications for Ceramic Tile			202
S3.41			
American National Standard Specifications for Audible Emergency Evacuation Signal			*907.5.2.1.3*
Z 97.1—14			
Safety Glazing Materials Used in Buildings—Safety Performance Specifications and Methods of Test			2406.1.2, 2406.2, Table 2406.2(2), 2406.3.1, 2407.1, 2407.1.4.1, 2408.2.1, 2408.3, 2409.2, 2409.3, 2409.4.1
APA	ANSI 117—15	APA - Engineered Wood Associatio 7011 South 19th Street Tacoma, WA 98466	
Standard Specification for Structural Glued Laminated Timber of Softwood Species			*2303.1.3.1*, 2306.1
ANSI/APA A190.1—17			
Structural Glued Laminated Timber			*1705A.5.4*, 2303.1.3, 2306.1
ANSI/APA PRP 210—14			
Standard for Performance-Rated Engineered Wood Siding			2303.1.5, 2304.7, 2306.3, Table 2306.3(1)
ANSI/APA PRR 410—16			
Standard for Performance-Rated Engineered Wood Rim Boards			2303.1.13
APA PDS—12			
Panel Design Specification			2306.1
APA PDS Supplement 1—12			
Design and Fabrication of Plywood Curved Panels (revised 2013)			2306.1

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APA PDS Supplement 2—12 Design and Fabrication of Plywood-lumber Beams (revised 2013)	2306.1
APA PDS Supplement 3—12 Design and Fabrication of Plywood Stressed-skin Panels (revised 2013)	2306.1
APA PDS Supplement 4—12 Design and Fabrication of Plywood Sandwich Panels (revised 2013)	2306.1
APA PDS Supplement 5—16 Design and Fabrication of All-plywood Beams (revised 2013)	2306.1
ANSI/APA PRG 320—17 Standard for Performance-rated Cross-laminated Timber	2303.1.4
APA R540—13 Builders Tips: Proper Storage and Handling of Glulam Beams	2306.1
APA S475—16 Glued Laminated Beam Design Tables	2306.1
APA S560—14 Field Notching and Drilling of Glued Laminated Timber Beams	2306.1
APA T300—16 Glulam Connection Details	2306.1
APA X440—17 Product Guide: Glulam	2306.1
APA X450—01 Glulam in Residential Construction—Western Edition	

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2306.1

ASABE

American Society of Agricultural and Biological Engineer
2950 Niles Road
St. Joseph, MI 49085

EP 484.3 MON2016

Diaphragm Design of Metal-clad, Wood-frame Rectangular Buildings

2306.1

EP 486.2 OCT 2012ED

Shallow-post and Pier Foundation Design

2306.1

EP 559.2 MON2016

Design Requirements and Bending Properties for Mechanically Laminated Wood Assemblies

2306.1

ASCE/SEI

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

7—16

Minimum Design Loads and Associated Criteria for Buildings and Other Structures *with Supplement No. 1*

104.11, 202, Table 1504.1.1, *Table 1504.8, 1510.7.1,* 1602.1, *1603A.2,* 1604.3, *1604A.4,* Table 1604.3, 1604.5, Table 1604.5, 1604.8.2, 1604.9, 1605.1, 1605.2.1, 1605.3.1, 1605.3.1.2, 1605.3.2, 1605.3.2.1, 1607.8.1, 1607.8.1.1, 1607.8.1.2, 1607.9, 1607.13.1, 1607.13.3.1, 1608.1, 1608.2, 1608.3, 1609.1.1, 1609.2, 1609.3, 1609.5.1, 1609.5.3, 1611.2, 1612.2, 1613.1, 1613.2.2, 1613.2.3, 1613.2.5, Table 1613.2.3(1), Table 1613.2.3(2), 1613.2.5.1, 1613.2.5.2, 1613.3, 1614.1, 1615.1, *1613A, 1617A, 1617.9, 1617.10, 1617.2,* 1705.12, 1705.12.1.1, 1705.12.1.2, 1705.12.4, 1705.13.1.1, 1705.13.1.2, 1705.13.2, 1705.13.3, 1705.13.4, 1709.5, *1803A.6,* 1803.5.12, 1808.3.1, 1809.13, 1810.3.6.1, 1810.3.8.3.2, 1810.3.8.3.3, 1810.3.9.4, 1810.3.11.2, 1810.3.12, 1901.2, 1905.1.1, 1905.1.2, 1905.1.7, 1905.1.8, 2205.2.1.1, 2205.2.1.2, 2205.2.2, 2206.2.1, 2209.1, 2209.2, 2210.2, 2211.1.1.1, *2212A.1.1, 2212A.2.4,* Table 2304.6.1, Table 2306.3(3), Table 2308.7.5, 2404.1, *2410.1.1, 2410.1.2,* 2505.1, 2505.2, 2506.2.1

8—17

Standard Specification for the Design of Cold-formed Stainless Steel Structural Members

1604.3.3, 2210.1, 2210.2

19—16

Structural Applications of Steel Cables for Buildings

2208.1

Exported from UpCodes

24—14	Flood Resistant Design and Construction	1202.4.2, 1202.4.4, 1612.4, 1612.5, 2702.1.8, 3001.3
29—17	Standard Calculation Methods for Structural Fire Protection	722.1
32—17	Design and Construction of Frost Protected Shallow Foundations	1809.5
41—13	*Seismic Evaluation and Retrofit of Existing Buildings*	*1603A.2*
41—17	*[DSA-SS, DSA-SS/CC] Seismic Evaluation and Retrofit of Existing Buildings*	*1603A.2, 1617A.1.30, 1617A.1.34*
49—12	Wind Tunnel Testing for Buildings and Other Structures	1609.1.1
55—16	Tensile Membrane Structures	3102.2

ASME

American Society of Mechanical Engineer
Two Park Avenue
New York, NY 10016-5990

ASME/A17.1—2016/CSA B44—16	Safety Code for Elevators and Escalators	907.3.3, 911.1.6, 1009.4.1, *11B-407.1, 11B-407.1.1, 11B-407.4.9, 11B-408.1, 11B-409.1, 11B-411.1, 11B-810.9,* 1607.10.1, 3001.2, Table 3001.3, 3001.4, 3001.5, 3002.5, 3003.2, 3007.1, 3008.1.4, 3008.7.1
A17.7—2007/CSA B44—07(R2012)	Performance-based Safety Code for Elevators and Escalators	Table 3001.3, 3001.5, 3002.5
A18.1—2014	Safety Standard for Platform Lifts and	

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Stairway Chairlifts

1109.8, Table 3001.3

A90.1—2015

Safety Standard for Belt Manlifts

Table 3001.3

B16.18—2012

Cast Copper Alloy Solder Joint Pressure Fittings

909.13.1

B16.22—2013

Wrought Copper and Copper Alloy Solder Joint Pressure Fittings

909.13.1

B20.1—2015

Safety Standard for Conveyors and Related Equipment

Table 3001.3, 3004.3

BPE—2009

Bio-processing Equipment Standard

B31.3—2014

[SLC] Process Piping

415.11.6

B31.3—2016

Process Piping

415.11.6

ASSE

American Society of Safety Engineer
520 N. Northwest Highway
Park Ridge, IL 60068

ANSI/ASSE Z359.1—2016

Requirements for the ANSI/ASSE Z359 Fall Protection Code

1015.6, 1015.7

ASTM

ASTM International
100 Barr Harbor Drive, P.O. Box C70
West Conshohocken, PA 19428-295

A6/A6M—14

Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes and Sheet Piling

1810.3.2.3, 1810.3.5.3.1, 1810.3.5.3.3

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A36/A36M—14	Specification for Carbon Structural Steel	1810.3.2.3
A153/A153M—*16a*	Specification for Zinc Coating (Hot-dip) on Iron and Steel Hardware	*2304.10.1.1,* 2304.10.5
A227/A227M—17	*Standard Specification for Steel Wire, Cold-Drawn for Mechanical Springs*	*1210.1.1*
A229/A229M—17	*Standard Specification for Steel Wire, Quenched and Tempered for Mechanical Springs*	*1210.1.1*
A240/A240M—15a	Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications	Table 1507.4.3(1)
A252—10	Specification for Welded and Seamless Steel Pipe Piles	1810.3.2.3
A283/A283M—13	Specification for Low and Intermediate Tensile Strength Carbon Steel Plates	1810.3.2.3
A416/A416M—15	Specification for Steel Strand, Uncoated Seven-wire for Prestressed Concrete	1810.3.2.2
A463/A463M—15	Standard Specification for Steel Sheet, Aluminum-coated, by the Hot-dip Process	Table 1507.4.3(2)
A572/A572M—15	Specification for High-strength Low-alloy Columbium-Vanadium Structural Steel	1810.3.2.3

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A588/A588M—15	Specification for High-strength Low-alloy Structural Steel with 50 ksi (345 MPa) Minimum Yield Point with Atmospheric Corrosion Resistance	1810.3.2.3
A615/A615M—15ae1	Specification for Deformed and Plain Carbon-steel Bars for Concrete Reinforcement	1704.5, 1810.3.10.2
A653/A653M—15	Specification for Steel Sheet, Zinc-coated Galvanized or Zinc-iron Alloy-coated Galvannealed by the Hot-dip Process	Table 1507.4.3(1), Table 1507.4.3(2), 2304.10.5.1
A690/A690M—13a	Standard Specification for High-strength Low-alloy Nickel, Copper, Phosphorus Steel H-piles and Sheet Piling with Atmospheric Corrosion Resistance for Use in Marine Environments	1810.3.2.3
A706/A706M—15	Specification for Low-alloy Steel Deformed and Plain Bars for Concrete Reinforcement	1704.5, Table 1705.3, 2107.3, 2108.3
A722/A722M—15	Specification for High-strength Steel Bars for Prestressed Concrete	1810.3.10.2, *1811.4, 1811A.4, 1812.4.2, 1812A.4.2*
A755/A755M—15	Specification for Steel Sheet, Metallic-coated by the Hot-dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products	Table 1507.4.3(1), Table 1507.4.3(2)
A792/A792M—10(2015)	Specification for Steel Sheet, 55% Aluminum-zinc Alloy-coated by the Hot-dip Process	Table 1507.4.3(1), Table 1507.4.3(2)
A875/A875M—13	Standard Specification for Steel Sheet, Zinc-5%, Aluminum Alloy-coated by the Hot-dip Process	Table 1507.4.3(2)

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A924/A924M—14 Standard Specification for General Requirements for Steel Sheet, Metallic-coated by the Hot-dip Process	Table 1507.4.3(1)
A1064—17 *Standard Specification for Carbon-steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete*	*1903A.8*
B42—2015A Specification for Seamless Copper Pipe, Standard Sizes	909.13.1
B43—15 Specification for Seamless Red Brass Pipe, Standard Sizes	909.13.1
B68/B68M—11 Specification for Seamless Copper Tube, Bright Annealed (Metric)	909.13.1
B88—14 Specification for Seamless Copper Water Tube	909.13.1
B101—12 Specification for Lead-coated Copper Sheet and Strip for Building Construction	1403.5.3, Table 1507.2.8.2, Table 1507.4.3(1)
B209—14 Specification for Aluminum and Aluminum Alloy Steel and Plate	Table 1507.4.3(1)
B251—10 Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	909.13.1
B280—13 Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	909.13.1

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B370—12	Specification for Copper Sheet and Strip for Building Construction	1403.5.2, Table 1507.2.8.2, Table 1507.4.3(1)
B695—04(*2016*)	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel Strip for Building Construction	*2304.10.1.1,* 2304.10.5.1, 2304.10.5.3
C5—10	Specification for Quicklime for Structural Purposes	Table 2507.2
C22/C22M—00(2015)	Specification for Gypsum	Table 2506.2
C27—98(2013)	Specification for Classification of Fireclay and High-alumina Refractory Brick	2111.6
C28/C28M—10(2015)	Specification for Gypsum Plasters	Table 2507.2
C31/C31M—15	Practice for Making and Curing Concrete Test Specimens in the Field	Table 1705.3
C33/C33M—13	Specification for Concrete Aggregates	722.3.1.4, 722.4.1.1.3
C35/C35—01(2014)	Specification for Inorganic Aggregates for Use in Gypsum Plaster	Table 2507.2
C55—2014a	Specification for Concrete Building Brick	Table 722.3.2
C59/C59M—00(2015)	Specification for Gypsum Casting Plaster and Molding Plaster	

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C61/C61M—00(2015) Specification for Gypsum Keene's Cement	 Table 2507.2
C62—13a Standard Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)	 1807.1.6.3
C67—14 Test Methods of Sampling and Testing Brick and Structural Clay Tile	 722.4.1.1.1, 2109.2.1.1
C73—14 Specification for Calcium Silicate Brick (Sand-lime Brick)	 Table 722.3.2
C90—14 Specification for Loadbearing Concrete Masonry Units	 Table 722.3.2, 1807.1.6.3, 2114.3
C91/C91M—12 Specification for Masonry Cement	 Table 2507.2
C94/C94M—*17* Specification for Ready-mixed Concrete	 110.3.1, *1705A.3.3.1*
C140/C140M—15 Test Method Sampling and Testing Concrete Masonry Units and Related Units	 722.3.1.2
C150/C150M—15 Specification for Portland Cement	 *1909.2.3, 1910A.1,* 1903.1, Table 2507.2
C150/C150M—17 *[OSHPD] Specification for Portland Cement*	 *1910.2.1, 1910A.1*
C172/C172M—14a Practice for Sampling Freshly Mixed Concrete	

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Table 1705.3	
C199—84(2011) Test Method for Pier Test for Refractory Mortars	2111.6, 2111.9, 2113.12
C206—14 Specification for Finishing Hydrated Lime	Table 2507.2
C208—12 Specification for Cellulosic Fiber Insulating Board	Table 1508.2, 2303.1.6
C216—15 Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)	Table 721.1(2), 1807.1.6.3
C270—14a Specification for Mortar for Unit Masonry	2103.2.4, *2105.3, 2105A.3, 2115.6.1*
C315—07(2011) Specification for Clay Flue Liners and Chimney Pots	2111.9, 2113.11.1, Table 2113.16(1)
C317/C317M—00(2015) Specification for Gypsum Concrete	2514.1
C330/C330M—14 Specification for Lightweight Aggregates for Structural Concrete	202
C331/C331M—14 Specification for Lightweight Aggregates for Concrete Masonry Units	722.3.1.4, 722.4.1.1.3
C406/C406M—15 Specification for Roofing Slate	1507.7.5
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	Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete	Table 2506.2
C473—15	Test Methods for Physical Testing of Gypsum Panel Products	Table 2506.2
C474—15	Test Methods for Joint Treatment Materials for Gypsum Board Construction	Table 2506.2
C475/C475M—15	Specification for Joint Compound and Joint Tape for Finishing Gypsum Board	Table 2506.2
C514—04(2014)	Specification for Nails for the Application of Gypsum Board	Table 721.1(2), Table 721.1(3), Table 2506.2
C516—08(2014)e1	Specifications for Vermiculite Loose Fill Thermal Insulation	722.3.1.4, 722.4.1.1.3
C547—15	Specification for Mineral Fiber Pipe Insulation	Table 721.1(2), Table 721.1(3)
C549—06(2012)	Specification for Perlite Loose Fill Insulation	722.3.1.4, 722.4.1.1.3
C552—15	Standard Specification for Cellular Glass Thermal Insulation	Table 1508.2
C557—03(2009)e01	Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing	Table 2506.2, 2508.4
C578—15	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation	

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C587—04(2014) Specification for Gypsum Veneer Plaster	 Table 2507.2
C595/C595M—*17* Specification for Blended Hydraulic Cements	 1903.1, *1909.2.3, 1909A.1,* Table 2507.2
C618—15 *[OSHPD] Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete*	 *1910.2.1, 1910A.1*
C618—17 *[DSA-SS, DSA-SS/CC] Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete*	 *1909.3.4, 1910A.1, 1909.2.3*
C631—09(2014) Specification for Bonding Compounds for Interior Gypsum Plastering	 Table 2507.2
C635/C635M—*13a* *[OSHPD]* Specification for the Manufacture, Performance and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings	 *1617A.1.21*
C635/C635M—17 *[DSA-SS, DSA-SS/CC] Specification for the Manufacture, Performance and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings*	 *801.1.1.1, 2506.2.1, 1617.10.16, 1617A.1.21*
C636/C636M—13 Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels	 808.1.1.1, *1617A.1.21*
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C728—15	Standard Specification for Perlite Thermal Insulation Board	Table 1508.2
C744—14	Specification for Prefaced Concrete and Calcium Silicate Masonry Units	Table 722.3.2
C754—15	Specification for Installation of Steel Framing Members to Receive Screw-attached Gypsum Panel Products	Table 2508.1, Table 2511.1.1
C836/C836M—15	Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course	1507.15.2
C840—13	Specification for Application and Finishing of Gypsum Board	Table 2508.1, 2509.2
C841—03(2013)	Specification for Installation of Interior Lathing and Furring	Table 2508.1, Table 2511.1.1
C842—05(2015)	Specification for Application of Interior Gypsum Plaster	Table 2511.1.1, 2511.3, 2511.4
C843—99(2012)	Specification for Application of Gypsum Veneer Plaster	Table 2511.1.1

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C844—2015	Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster	Table 2508.1
C847—14a	Specification for Metal Lath	Table 2507.2
C887—13	Specification for Packaged, Dry Combined Materials for Surface Bonding Mortar	1805.2.2, 2103.2.2
C897—15	Specification for Aggregate for Job-mixed Portland Cement-based Plaster	Table 2507.2
C920—14a	Standard for Specification for Elastomeric Joint Sealants	Table 2506.2
C926—15b	Specification for Application of Portland Cement-based Plaster	2109.2.4.8, 2510.3, Table 2511.1.1, 2511.3, 2511.4, 2512.1, 2512.1.2, 2512.2, 2512.6, 2512.8.2, 2512.9, 2513.7
C932—06(2013)	Specification for Surface-applied Bonding Compounds for Exterior Plastering	Table 2507.2
C933—14	Specification for Welded Wire Lath	Table 2507.2
C946—10	Specification for Construction of Dry-stacked, Surface-bonded Walls	2103.2.2, 2114.5
C954—15	Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 inch (0.84 mm) to 0.112 inch (2.84 mm) in Thickness	Table 2506.2, Table 2507.2

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C956—04(2015) Specification for Installation of Cast-in-place Reinforced Gypsum Concrete	2514.1
C957/C957M—15 Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane with Integral Wearing Surface	1507.15.2
C989—16e1 *[OSHPD] Standard Specification for Slag Cement for Use in Concrete and Mortars*	*1910.2.1, 1910A.1*
C989—17 *[DSA-SS, DSA-SS/CC] Standard Specification for Slag Cement for Use in Concrete and Mortars*	*1909.2.3, 1910A.1*
C1002—14 Specification for Steel Self-piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs	Table 2506.2, Table 2507.2
C1007—11a(2015) Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories	Table 2508.1, Table 2511.1.1
C1019—16 *Test Method for Sampling and Testing Grout*	*2115.6.1, 2105A.3, 2105.3*
C1029—15 Specification for Spray-applied Rigid Cellular Polyurethane Thermal Insulation	1507.14.2
C1032—14 Specification for Woven Wire Plaster Base	Table 2507.2
C1047—14a Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base	Table 2506.2, Table 2507.2

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C1063—15a	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-based Plaster	2109.2.4.8, 2510.3, Table 2511.1.1, 2512.1.1
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C1178/C1178M—13	Specification for Coated Mat Water-resistant Gypsum Backing Panel	Table 2506.2, Table 2509.2
C1186—08(2012)	Specification for Flat Fiber Cement Sheets	1403.10, 1404.16.1, 1404.16.2
C1249—06a(2010)	*Standard Guide for Secondary Seal for Sealed Insulated Glass Units for Structural Sealant Glazing Applications*	*2410.1.1*
C1261—13	Specification for Firebox Brick for Residential Fireplaces	2111.6, 2111.9
C1278/C1278M—07a(2011)	Specification for Fiber-reinforced Gypsum Panel	Table 1508.2, Table 2506.2
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C1288—14	
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C1392—00(2014)	
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C1394—03(2012)	
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C1401—14	*Standard Guide for Structural Sealant Glazing*	*2410.1*
C1492—03(2009)	Standard Specification for Concrete Roof Tile	1507.3.5
C1568—08(2013)	Standard Test Method for Wind Resistance of Concrete and Clay Roof Tiles (Mechanical Uplift Resistance Method)	1504.2.1.1
C1586—05(2011)	*Standard Guide for Quality Assurance of Mortars*	*2105.3*
C1600/C1600M—11	Standard Specification for Rapid Hardening Hydraulic Cement	Table 2507.2
C1629/C1629M—15	Standard Classification for Abuse-resistant Nondecorated Interior Gypsum Panel Products and Fiber-reinforced Cement Panels	403.2.3.1, 403.2.3.2, 403.2.3.4
C1658/C1658M—13	Standard Specification for Glass Mat Gypsum Panels	Table 2506.2
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D1557—12e1 Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort [56,000 ft-lb/ft^3 (2,700 kN m/m^3)]	1705.6, 1804.6
D1586—11 *Standard Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils*	*1813, 1813A.2*
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D2898—10 Test Methods for Accelerated Weathering of Fire-retardant-treated Wood for Fire Testing	1505.1, 2303.2.4, 2303.2.6
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D3200—74(2012)	Standard Specification and Test Method for Establishing Recommended Design Stresses for Round Timber Construction Poles	2303.1.12
D3201/D3201M—13	Test Method for Hygroscopic Properties of Fire-retardant-treated Wood and Wood-based Products	2303.2.7
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D3679—13	Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding	1403.9, 1404.14
D3689/D3698M—07(2013)e1	Test Methods for Deep Foundations under Static Axial Tensile Load	1810.3.3.1.5
D3737—12	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)	2303.1.3
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Standard Practices for Establishing Stress Grades for Structural Members Used in Log Buildings	2303.1.11
D3966—07(2013)	
Standard Test Method for Deep Foundations Under Lateral Loads	*1810A.3.3.2*
D4022/D4022M—07(2012)e1	
Specification for Coal Tar Roof Cement, Asbestos Containing	Table 1507.10.2
D4272—15	
Test Method for Total Energy Impact of Plastic Films by Dart Drop	1504.7
D4318—10e1	
Test Methods for Liquid Limit, Plastic Limit and Plasticity Index of Soils	1803.5.3
D4434/D4434M—12	
Specification for Poly (Vinyl Chloride) Sheet Roofing	1507.13.2
D4479/D4479M—07(2012)e1	
Specification for Asphalt Roof Coatings—Asbestos-free	Table 1507.10.2
D4586/D4586M—07(2012)e1	

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Specification for Asphalt Roof Cement—Asbestos-free	Table 1507.10.2
D4601/D4601M—04(2012)e1	
Specification for Asphalt-coated Glass Fiber Base Sheet Used in Roofing	Table 1507.10.2, 1507.11.2.1
D4637/D4637M—14e1	
Specification for EPDM Sheet Used in Single-ply Roof Membrane	1507.12.2
D4829—11	
Test Method for Expansion Index of Soils	1803.5.3
D4869/D4869M—15	
Specification for Asphalt-saturated (Organic Felt) Underlayment Used in Steep Slope Roofing	1507.1.1, Table 1507.1.1(1), 1507.18.3, 1507.18.4.1
D4897/D4897M—01(2009)	
Specification for Asphalt-coated Glass Fiber Venting Base Sheet Used in Roofing	Table 1507.10.2
D4945—12	
Test Method for High-strain Dynamic Testing of Deep Foundations	1810.3.3.1.2
D4990—97a(2013)	
Specification for Coal Tar Glass Felt Used in Roofing and Waterproofing	Table 1507.10.2
D5019—07a	
Specification for Reinforced Nonvulcanized Polymeric Sheet Used in Roofing Membrane	1507.12.2
D5055—13e1	
Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-joists	2303.1.2
D5456—14b	

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	Specification for Evaluation of Structural Composite Lumber Products	2303.1.10
D5516—09	Test Method of Evaluating the Flexural Properties of Fire-retardant Treated Softwood Plywood Exposed to Elevated Temperatures	2303.2.5.1
D5643/D5643M—06(2012)e1	Specification for Coal Tar Roof Cement, Asbestos-free	Table 1507.10.2
D5664—10	Standard Test Method for Evaluating the Effects of Fire-retardant Treatment and Elevated Temperatures on Strength Properties of Fire-retardant Treated Lumber	2303.2.5.2
D5665/D5665M—99a(2014)e1	Specification for Thermoplastic Fabrics Used in Cold-applied Roofing and Waterproofing	Table 1507.10.2
D5726—98(2013)	Specification for Thermoplastic Fabrics Used in Hot-applied Roofing and Waterproofing	Table 1507.10.2
D5778—12	*Standard Test Method for Electronic Friction Cone and Piezocone Penetration Testing of Soils*	*1813, 1813A.2*
D6083—05e01	Specification for Liquid Applied Acrylic Coating Used in Roofing	Table 1507.10.2, Table 1507.14.3, 1507.15.2
D6162/D6162M—00a(2015)e1	Specification for Styrene-butadiene-styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	1507.11.2
D6163/D6163M—00(2015)e1	Specification for Styrene-butadiene-styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements	

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	1507.11.2
D6164/D6164M—11 Specification for Styrene-butadiene-styrene (SBS) Modified Bituminous Sheet Metal Materials Using Polyester Reinforcements	1507.11.2
D6222/D6222M—11 Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcements	1507.11.2
D6223/D6223M—02(2009)e1 Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	1507.11.2
D6298—13 Specification for Fiberglass Reinforced Styrene-butadiene-styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface	1507.11.2
D6305—08(2015)e1 Practice for Calculating Bending Strength Design Adjustment Factors for Fire-retardant-treated Plywood Roof Sheathing	2303.2.5.1
D6380/D6380M—03(2013)e1 Standard Specification for Asphalt Roll Roofing (Organic) Felt	Table 1507.1.1(1), 1507.2.8.2, 1507.3.3, 1507.6.5
D6464—03a(2009)e1 Standard Specification for Expandable Foam Adhesives for Fastening Gypsum Wallboard to Wood Framing	Table 2506.2, 2508.4
D6509/D6509M—09(2015) Standard Specification for Atactic Polypropylene (APP) Modified Bituminous Base Sheet Materials Using Glass Fiber Reinforcements	1507.11.2
D6694/D6694M—08(2013)e1 Standard Specification for Liquid-applied Silicone Coating Used in Spray Polyurethane Foam Roofing Systems	

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	Table 1507.14.3, 1507.15.2
D6754/D6754M—10 Standard Specification for Ketone Ethylene Ester Based Sheet Roofing	1507.13.2
D6757—2013 Specification for Underlayment Felt Containing Inorganic Fibers Used in Steep Slope Roofing	1507.1.1, Table 1507.1.1(1), 1507.18.3, 1507.18.4.1
D6841—08 Standard Practice for Calculating Design Value Treatment Adjustment Factors for Fire-retardant Treated Lumber	2303.2.5.2
D6878/D6878M—13 Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing	1507.13.2
D6947/D6947M—07(2013)e1 Standard Specification for Liquid Applied Moisture Cured Polyurethane Coating Used in Spray Polyurethane Foam Roofing System	Table 1507.14.3, 1507.15.2
D7032—14 Standard Specification for Establishing Performance Ratings for Wood, Plastic Composite Deck Boards and Guardrail Systems (Guards or Rails)	705.2.3.1, 2612.2, 2612.4, 2612.5.1
D7147—11 Specification for Testing and Establishing Allowable Loads of Joist Hangers	2303.5, 2304.10.3
D7158/D7158M—16 Standard Test Method for Wind Resistance of Asphalt Shingles (Uplift Force/Uplift Resistance Method)	1504.1.1, Table 1504.1.1
D7254—15 Standard Specification for Polypropylene (PP) Siding	1403.12

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D7425/D7425M—13 Standard Specification for Spray Polyurethane Foam Used for Roofing Applications	1507.14.2
D7655/D7655M—12 Standard Classification for Size of Aggregate Used as Ballast for Roof Membrane Systems	1507.12.3, 1507.13.3
D7672—14 Standard Specification for Evaluating Structural Capacities of Rim Board Products and Assemblies	2303.1.13
E84—16 Standard Test Methods for Surface Burning Characteristics of Building Materials	202, 402.6.4.4, 406.7.2, 703.5.2, 720.1, 720.4, 803.1.2, 803.5.2, 803.10, 803.11, 803.12, 803.13, 806.7, 1402.5, 1403.12.1, 1406.9, 1406.10.1, 1408.9, 1408.10.1, 1510.6.2, 1510.6.3, 2303.2, 2603.3, 2603.4.1.13, 2603.5.4, 2603.5.5, 2603.7, 2604.2.4, 2606.4, 2612.3, 2614.3, 3105.3, D102.2.8
E90—09 Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements	1206.2, 1206.2.1
E96/E96M—15 Standard Test Methods for Water Vapor Transmission of Materials	202
E108—16 Standard Test Methods for Fire Tests of Roof Coverings	1505.1, 2603.6, 2610.2, 2610.3
E119—16 Standard Test Methods for Fire Tests of Building Construction and Materials	703.2, 703.2.1, 703.2.3, 703.2.5, 703.3, 703.4, 703.6, 704.12, 705.7, 705.8.5, 707.6, 712.1.13.2, 714.4.1, 714.5.1, 715.1, 715.4, Table 716.1(1), Table 716.1(2), Table 716.1(3), 716.1.2.3, 716.2.5.1.1, 716.2.5.4, 716.3.2.1.1, 717.3.1, 717.5.2, 717.5.3, 717.6.1, 717.6.2, Table 721.1(1), 2103.1, 2603.5.1
E136—16 Standard Test Method for Behavior of	

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Materials in a Vertical Tube Furnace at 750°C	703.5.1
E283—04(2012) Standard Test Method for Determining Rate of Air Leakage through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences across the Specimen	202
E330/E330M—14 Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference	1709.5.2
E331—00(2009) Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference	1402.2
E492—09 Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-ceiling Assemblies Using the Tapping Machine	1206.3
E580/E580M—17 Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions	*1617.10.16, 1617A.1.21*
E605/E605M—93(2015)e1 Test Method for Thickness and Density of Sprayed Fire-resistive Material (SFRM) Applied to Structural Members	1705.14.4.1, 1705.14.4.2, 1705.14.4.5, 1705.14.5
E648—15e1 Standard Test Method for Critical Radiant Flux of Floor-covering Systems Using a Radiant Heat Energy Source	406.2.4, 424.2, 804.2, 804.3, *804.4.1, 804.4.2*
E662—17a Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials	*804.4.1, 804.4.2*

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E681—09(2015)	Test Methods for Concentration Limits of Flammability of Chemical Vapors and Gases	202
E736/E736M—00(2015)e1	Test Method for Cohesion/Adhesion of Sprayed Fire-resistive Materials Applied to Structural Members	704.13.3.2, 1705.14.6
E814—2013A	Test Method for Fire Tests of Penetration Firestop Systems	202, 714.4.1.2, 714.4.2, 714.5.1.2
E970—14	Standard Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source	720.3.1
E1300—12ae1	Practice for Determining Load Resistance of Glass in Buildings	2404.1, 2404.2, 2404.3.1, 2404.3.2, 2404.3.3, 2404.3.4, 2404.3.5
E1354—16	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter	424.2
E1592—05(2012)	Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference	1504.3.2
E1602—03(2010)e1	Guide for Construction of Solid Fuel-burning Masonry Heaters	2112.2
E1886—13A	Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials	1609.2
E1966—15		

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	Standard Test Method for Fire-resistive Joint Systems	202, 715.3
E1996—14a	Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes	1609.2, 1609.2.2
E2072—14	Standard Specification for Photoluminescent (Phosphorescent) Safety Markings	1025.4
E2174—14b	Standard Practice for On-site Inspection of Installed Fire Stops	1705.17.1
E2178—13	Standard Test Method for Air Permeance of Building Materials	202
E2273—03(2011)	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies	1407.4.1
E2307—15b	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using the Intermediate-scale, Multistory Test Apparatus	715.4
E2353—14	Standard Test Methods for Performance of Glazing in Permanent Railing Systems, Guards and Balustrades	2407.1.2
E2393—10a(2015)	Standard Practice for On-site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barriers	1705.17.2
E2404—15a	Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric	

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(Including Vinyl) and Wood Wall or Ceiling Coverings, Facing and Veneers to Assess Surface Burning Characteristics	803.5.2, 803.12
E2556/E2556M—10 Standard Specification for Vapor Permeable Flexible Sheet Water-resistive Barriers Intended for Mechanical Attachment	2510.6
E2568—09e1 Standard Specification for PB Exterior Insulation and Finish Systems	1407.2
E2570/E2570M—07(2014)e1 Standard Test Method for Evaluating Water-resistive Barrier (WRB) Coatings Used under Exterior Insulation and Finish Systems (EIFS) for EIFS with Drainage	1407.4.1.1, 1705.16.1
E2573—12 Standard Practice for Specimen Preparation and Mounting of Site-fabricated Stretch Systems to Assess Surface Burning Characteristics	803.10
E2579—13 Standard Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics	803.11
E2599—15 Standard Practice for Specimen Preparation and Mounting of Reflective Insulation, Radiant Barrier and Vinyl Stretch Ceiling Materials for Building Applications to Assess Surface Burning Characteristics	2614.3
E2632/E2632M—13 *Standard Test Method for Evaluating the Under-Deck Fire Test Response of Deck Materials*	*709A.3, 709A.4, 709A.4.1, 709A.5*
E2634—11(2015) Standard Specification for Flat Wall Insulating Concrete Form (ICF) Systems	1903.4
E2707—15	

Exported from UpCodes

Standard Test Method for Determining Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure	*707A.3, 707A.3.1, 708A.3*
E2726/E2726—12a *Standard Test Method for Evaluating the Fire-Test-Response of Deck Structures to Burning Brands*	*709A.3, 709A.4, 709A.4.2*
E2751/E2751M—13 Practice for Design and Performance of Supported Laminated Glass Walkways	2409.1
E3121—17 *[OSHPD] Standard Test Methods for Field Testing of Anchors in Concrete or Masonry*	*1901.3.4.2, 1910A.5.2*
F547—06(2012) Terminology of Nails for Use with Wood and Wood-base Materials	Table 2506.2
F606/F606M—16 *Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets*	*2213.1, 2213A.1*
F1292—99 *Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment*	*11B-1008.2.6.2*
F1292—04 *Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment*	*11B-1008.2.6.2*
F1487—01 *Standard Consumer Safety Performance Specification for Playground Equipment for Public Use*	*202-USE ZONE*
F1667—15 Specification for Driven Fasteners: Nails, Spikes and Staples	

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	Table 721.1(2), Table 721.1(3), 1507.2.5, 1507.17.5, 2303.6, Table 2304.10.1, 2304.10.5, Table 2506.2, Table 2603.13.1, Table 2603.13.2
F1951—99 *Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment*	*11B-1008.2.6.1*
F2006—17 Standard/Safety Specification for Window Fall Prevention Devices for Nonemergency Escape (Egress) and Rescue (Ingress) Windows	1015.8
F2090—17 Specification for Window Fall Prevention Devices with Emergency Escape (Egress) Release Mechanisms	1015.8, 1015.8.1
F2200—14 Standard Specification for Automated Vehicular Gate Construction	3110.2
G152—13 Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials	1504.6
G154—12a Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials	1504.6
G155—13 Practice for Operating Xenon Arc Light Apparatus for Exposure of Nonmetallic Materials	1504.6

AWC

American Wood Council
222 Catoctin Circle SE, Suite 20
Leesburg, VA 20175

AWC WCD No. 4—2003 Wood Construction Data—Plank and Beam Framing for Residential Buildings	2306.1.2
ANSI/AWC WFCM—2018	

Exported from UpCodes

Wood Frame Construction Manual for One- and Two-Family Dwellings	1609.1.1, 1609.1.1.1, 2302.1, 2308.2.4, 2308.6.7.2, 2309.1
ANSI/AWC NDS—2018	
National Design Specification (NDS) for Wood Construction—with 2018 NDS Supplement	202, 722.1, Table 1604.3, 1809.12, 1810.3.2.4, Table 1810.3.2.6, 1905.1.8, 2304.13, 2306.1, Table 2306.2(1), Table 2306.2(2), Table 2306.3(1), Table 2306.3(2), 2307.1, Table 2603.1.3.1, Table 2603.13.2
AWC STJR—2015	
Span Tables for Joists and Rafters	2306.1.1, 2308.4.2.1, 2308.7.1, 2308.7.2
ANSI/AWC PWF—2015	
Permanent Wood Foundation Design Specification	1805.2, 1807.1.4, 2304.10.5.2
ANSI/AWC SDPWS—2015	
Special Design Provisions for Wind and Seismic	202, 2305.1, 2305.2, 2305.3, 2306.1, 2306.2, 2306.3, Table 2306.3(1), Table 2306.3(3), 2307.1

AWCI

Association of the Wall and Ceiling Industr
513 West Broad Street, Suite 210
Falls Church, VA 22046

12-B—14	
Technical Manual 12B, Third Edition; Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-resistive Materials; an Annotated Guide	1705.15

AWPA

American Wood Protection Associatio
P.O. Box 361784
Birmingham, AL 35236-1784

C1—03	
All Timber Products—Preservative Treatment by Pressure Processes	1505.6
M4—16	
Standard for the Care of Preservative-treated Wood Products	1810.3.2.4.1, 2303.1.9

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U1—*17*

USE CATEGORY SYSTEM: User Specification for Treated Wood Except Commodity Specification H

Table 1507.9.6, 1807.1.4, 1807.3.1, 1809.12, 1810.3.2.4.1, *1812.2, 1812A.2,* 2303.1.9, 2304.12.1, 2304.12.2, 2304.12.3, 2304.12.4, 2304.12.5

AWS

American Welding Societ
8669 NW 36 Street, #13(
Miami, FL 33166

D1.1/D1.1M—15

Structural Welding Code—Steel

Table 1705A.2.1, 1705A.2.5, 2204.1.1, 2204A.1.1, 2212.6.2, 2213.2, 2213A.2

D1.2/D1.2M—15

Structural Welding Code—Aluminum

2003.1

D1.3/D1.3M—08

Structural Welding Code—Sheet Steel

Table 1705A.2.1, 1705A.2.5

D1.4/D1.4M—2011

Structural Welding Code—Reinforcing Steel Including Metal Inserts and Connections In Reinforced Concrete Construction

1704.5, *1704A.5, Table 1705A.2.1, 1705.2.5, 1705A.2.5,* Table 1705.3, 1705.3.1, *1705A.3.1, 1903.8, 1903A.8,* 2107.3

D1.8/D1.8M—2016

Structural Welding Code — Seismic Supplement

Table 1705A.2.1, 1705A.2.5, 1705.2.5

QC1—2016

Specification for AWS Certification of Welding Inspectors

1705.2.5, 1705A.2.5

BHMA

Builders Hardware Manufacturers' Associatio
355 Lexington Avenue, 15th Floor
New York, NY 10017-6603

A 156.10—2011

Power Operated Pedestrian Doors

1010.1.4.2, *11B-404.2.9, 11B-404.3*

A 156.19—2013

Standard for Power Assist and Low Energy Power Operated Doors

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1010.1.4.2, *11B-404.2.9, 11B-404.3, 11B-408.3.2.1, 11B-409.3.1*

A 156.27—2011

Power and Manual Operated Revolving Pedestrian Doors

1010.1.4.1.1

A 156.38—2014

Low Energy Power Operated Sliding and Folding Doors

1010.1.4.2

CEN

EN 1081 —98

European Committee for Standardization (CEN
Central Secretariat
Rue de Stassart 36
B-10 50 Brussels

Resilient Floor Coverings—Determination of the Electrical Resistance

406.7.1

BS EN 15250—2007

Slow Heat Release Appliances Fired by Solid Fuel Requirements and Test Methods

2112.2, 2112.5

ANSI

CPA

Composite Panel Association
19465 Deerfield Avenue, Suite 30
Leesburg, VA 20176

A135.4—2012

Basic Hardboard

1403.3.1, 2303.1.7

ANSI A135.5—2012

Prefinished Hardboard Paneling

2303.1.7, 2304.7

ANSI A135.6—2012

Engineered Wood Siding

1403.3.2, 2303.1.7

A208.1—2016

Particleboard

2303.1.8, 2303.1.8.1

CPSC

Consumer Product Safety Commissio
4330 East/West Highway
Bethesda, MD 20814

16 CFR Part 1201 (2002)

Safety Standard for Architectural Glazing Material

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	2406.2, Table 2406.2(1), 2406.3.1, 2407.1, 2407.1.4.1, 2408.2.1, 2408.3, 2409.2, 2409.3.1, 2409.4.1
16 CFR Part 1209 (2002) Interim Safety Standard for Cellulose Insulation	720.6
16 CFR Part 1404 (2002) Cellulose Insulation	720.6
16 CFR Part 1500 (2009) Hazardous Substances and Articles; Administration and Enforcement Regulations	202
16 CFR Part 1500.44 (2009) Method for Determining Extremely Flammable and Flammable Solids	202
16 CFR Part 1507 (2002) Fireworks Devices	202
16 CFR Part 1630 (2007) Standard for the Surface Flammability of Carpets and Rugs	804.4.1

CSA

Canadian Standards Associatio
8501 East Pleasant Valley Roa
Cleveland, OH 44131-5516

AAMA/WDMA/CSA 101/I.S.2/A440—17 North American Fenestration Standard/Specifications for Windows, Doors and Unit Skylights	1709.5.1, 2405.5
ASME A17.1—2016/CSA B44-—16 Safety Code for Elevators and Escalators	907.3.3, 911.1.6, 1009.4.1, 1607.10.1, 3001.2, Table 3001.3, 3001.5, 3002.5, 3003.2, 3007.1, 3008.1.4, 3008.7.1
ASME A17.7—2007/CSA B44.7—07 Performance-based Safety Code for Elevators and Escalators	Table 3001.3, 3001.5, 3002.5

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CSSB—97

CSSB

Cedar Shake & Shingle Bureau
P. O. Box 1178
Sumas, WA 98295-1178

Grading and Packing Rules for Western Red Cedar Shakes and Western Red Shingles of the Cedar Shake and Shingle Bureau

Table 1507.8.5, Table 1507.9.6

DASMA

DASMA Door & Access Systems Manufacturers Association
1300 Sumner Avenue
Cleveland, OH 44115-2851

ANSI/DASMA 103—2017

Standard for Counterbalance Systems on Residential Sectional Garage Doors

1210.4

ANSI/DASMA 107—2017

Room Fire Test Standard for Garage Doors Using Foam Plastic Insulation

2603.4.1.9

ANSI/DASMA 108—2017

Standard Method for Testing Sectional Garage Doors, Rolling Doors and Flexible Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference

1709.5.2

ANSI/DASMA 115—2016

Standard Method for Testing Sectional Garage Doors, Rolling Doors and Flexible Doors: Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure

1609.2.3

DOC

PS 1—09

U.S. Department of Commerce
National Institute of Standards and Technology
1401 Constitution Avenue NW
Washington, DC 20230

Structural Plywood

2303.1.5, 2304.7, Table 2304.8(4), Table 2304.8(5), Table 2306.2(1), Table 2306.2(2)

PS 2—10

Performance Standard for Wood-based Structural-use Panels

2303.1.5, 2304.7, Table 2304.8(5), Table 2306.2(1), Table 2306.2(2)

PS 20—05

American Softwood Lumber Standard

202, 1810.3.2.4, 2303.1.1

Exported from UpCodes

DOL

29 CFR Part

U.S. Department of Labor
Occupational Safety and Health Administratio
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

1910.1000 (2015)

Air Contaminants

202

DOTn

U.S. Department of Transportation
Office of Hazardous Material Safet
1200 New Jersey Avenue, SE
East Building, 2nd Floor
Washington, DC 20590

49 CFR Parts 100—185—2015

Hazardous Materials Regulations

202

49 CFR Parts 173.137—(2009)

Shippers—General Requirements for Shipments and Packaging—Class 8—Assignment of Packing Group

202

49 CFR Parts 173—178—2015

Specification of Transportation of Explosive and Other Dangerous Articles, UN 0335, UN 0336 Shipping Containers

202

FEMA

Federal Emergency Management Agenc
Federal Center Plaza
500 C Street S.W.
Washington, DC 20472

FEMA-TB-11—01

Crawlspace Construction for Buildings Located in Special Flood Hazard Areas

1805.1.2.1

FM

FM 1950—2016

American National Standard for Seismic Sway Braces for Pipe, Tubing and Conduit

FM Approvals
Headquarters Office
1151 Boston-Providence Turnpik
P.O. Box 9102
Norwood, MA 02062

1705A.13.2, 1705.13.2

3260—00

Radiant Energy-Sensing Fire Detectors for Automatic Fire Alarm Signaling.

910.3.1

3011—99

Approval Standard for Central Station Service for Fire Alarm and Protective Equipment Supervision

910.3.1

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FM 4430—12 *Approved Standard for Smoke and Heat Vents* *910.3.2*			
4430—80 *Acceptance Criteria for Smoke and Heat Vents* *910.3.1*			
4430—2012 Approval Standard for Heat and Smoke Vents *910.3.1*			
4450—(1989) Approval Standard for Class 1 Insulated Steel Deck Roofs—with Supplements through July 1992 1509.2			
4470—2016 Approval Standard for Single-ply Polymer-modified Bitumen Sheet, Built-up Roof (BUR) and Liquid Applied Roof Assemblies for Use in Class 1 and Noncombustible Roof Deck Construction 1504.7			
4474—2011 American National Standard for Evaluating the Simulated Wind Uplift Resistance of Roof Assemblies Using Static Positive and/or Negative Differential Pressures 1504.3.1, 1504.3.2, 1504.3.3			
4880—2015 Approval Standard for Class 1 Fire Rating of Building Panels or Interior Finish Materials 2603.4, 2603.9			
GA	GA 216—2016 Application and Finishing of Gypsum Panel Products Table 2508.1, 2509.2	Gypsum Association 6525 Belcrest Road, Suite 48 Hyattsville, MD 20782	
GA 600—2015 Fire-resistance Design Manual, 21st Edition Table 721.1(1), Table 721.1(2), Table 721.1(3)			
ANSI/HPVA HP-1—2016 American National Standard for Hardwood			

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and Decorative Plywood HPVA	2303.3, 2304.7	Hardwood Plywood & Veneer Associatio 1825 Michael Faraday Drive Reston, VA 20190
ICC	ICC 300 —17 ICC Standard on Bleachers, Folding and Telescopic Seating and Grandstands 1029.1.1, 1029.7, Table 1607.1	International Code Council, Inc 500 New Jersey Ave NW 6th Floor Washington, DC 20001
ICC 400—17 Standard on Design and Construction of Log Structures 2302.2		
ICC 500—14 ICC/NSSA Standard on the Design and Construction of Storm Shelters 202, 423.1, 423.2, 423.3, 423.4, 1604.5.1, 1604.10		
ICC 600—14 Standard for Residential Construction in High-wind Regions 1609.1.1, 1609.1.1.1, 2308.2.4		
ICC 900/SRCC 300—2015 Solar Thermal System Standard 3111.2.1		
ICC 901/SRCC 100—2015 Solar Thermal Collector Standard 3111.2.1		
*ICC-ES AC 01—18** *Acceptance Criteria for Expansion Anchors in Masonry Elements* *1617A.1.19*		
*ICC-ES AC 58—18** *Acceptance Criteria for Adhesive Anchors in Masonry Elements* *1617A.1.19*		
*ICC-ES AC 70—18** *Acceptance Criteria for Fasteners Power- Driven into Concrete, Steel and Masonry Elements* *1617A.1.20*		
ICC-ES AC 77		

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Acceptance Criteria for Smoke Containment Systems Used with Fire-resistance-rated Elevator Hoistway Doors and Frames	*707.14.1*
*ICC-ES AC 106—18**	
Acceptance Criteria for Predrilled Fasteners (Screw Anchors) in Masonry	*1617A.1.19*
*ICC-ES AC 125—18**	
Acceptance Criteria for Concrete, and Reinforced and Unreinforced Masonry Strengthening Using Externally Bonded Fiber-Reinforced Polymer (FRP) Composite Systems	*1911A.3, 1911.3*
*ICC-ES AC 156—18**	
Acceptance Criteria for Seismic Certification by Shake-Table Testing of Nonstructural Components	*1705A.13.3*
*ICC-ES AC 178—18**	
Acceptance Criteria for Inspection and Verification of Concrete, and Reinforced and Unreinforced Masonry Strengthening Using Fiber-Reinforced Polymer (FRP) Composite Systems	*1911A.3, 1911.3*
*ICC-ES AC 193—18**	
Acceptance Criteria for Mechanical Anchors in Concrete Elements	*1617A.1.19, 1901.3.2*
*ICC-ES AC 232—18**	
Acceptance Criteria for Anchor Channels in Concrete Elements	*1617A.1.19, 1901.3.2*
*ICC-ES AC 308—18**	
Acceptance Criteria for Post-Installed Adhesive Anchors in Concrete Elements	*1617A.1.19, 1901.3.3*
ICC-ES AC 331	
Acceptance Criteria for Smoke and Heat Vents	*910.3.1*
*ICC-ES AC 358—18**	
Acceptance Criteria for Helical Foundation Systems and Devices	

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1810A.3.1.5.1, 1810.3.1.5.1

*ICC-ES AC 446—18**

Acceptance Criteria for Headed Cast-in Specialty Inserts in Concrete

1617A.1.19, 1901.3.2

SBCCI SSTD 11—97

Test Standard for Determining Wind Resistance of Concrete or Clay Roof Tiles

1504.2.1.1, 1504.2.1.2

** Refers to International Building Code, 2018 as a reference standard.*

ISO

ISO 8115—86

Cotton Bales—Dimensions and Density

International Organization for Standardizatio
Chemin de Blandonnet 8
CP 401
1214 Vernier
Geneva, Switzerland

Table 307.1(1), Table 415.11.1.1.1

ISO 8336—09

Fiber-cement Flat Sheets—Product Specification and Test Methods

1403.10, 1404.16.1, 1404.16.2, Table 2509.2

ISO 9001—15

Quality Management Systems - Requirements

1705A.13.3

MHI

ANSI

Material Handling Institute
8720 Red Oak Blvd. Suite 20
Charlotte, NC 28217

MH29.1—08

Safety Requirements for Industrial Scissors Lifts

Table 3001.3

NAAMM

National Association of Architectural Metal Manufacturer
800 Roosevelt Road, Bldg. C, Suite 312
Glen Ellyn, IL 60137

FP 1001—*17*

Guide Specifications for Design of Metal Flag Poles

1609.1.1

NCMA

National Concrete Masonry Associatio
13750 Sunrise Valley
Herndon, VA 22071-4662

TEK 5—84(1996)

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Details for Concrete Masonry Fire Walls Table 721.1(2)	

NFPA

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

10—18 Standard for Portable Fire Extinguishers 906.2, 906.3.2, 906.3.4, Table 906.3(1), Table 906.3(2)	
11—16 Standard for Low Expansion Foam 904.7, *3109F*	
12—15 Standard on Carbon Dioxide Extinguishing Systems 904.8, 904.12	
12A—15 Standard on Halon 1301 Fire Extinguishing Systems 904.9	

13—16	Standard for Installation of Sprinkler Systems	712.1.3.1, 903.3.1.1, 903.3.2, 903.3.8.2, 903.3.8.5, 904.12, 905.3.4, 907.6.4, 1019.3

NFPA 13, Amended Sections as follows:

Revise Section 2.2 and add publications as follows:

2.2 NFPA Publications.

NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2013 California edition.*

Revise Section 8.15.1.2.15 as follows:

8.15.1.2.15 Exterior columns under 10 ft^2 (0.93m^2) in total area, formed by studs or wood joist, *with no sources of ignition within the column*, supporting exterior canopies that are fully protected with a sprinkler system, shall not require sprinkler protection.

Revise Section 8.15.5.3 as follows:

8.15.5.3 Automatic sprinkler system*. Automatic sprinklers shall not be required to be installed in the elevator hoistway, elevator machine room, elevator machinery space, elevator control space, or elevator control room where all the following are met:*

1. *Approved smoke detectors shall be installed and connected to the building fire alarm system in accordance with Section 907 in the area where the fire sprinkler was removed per this section.*
2. *Activation of any smoke detector located in the elevator hoistway, elevator machine room, elevator machinery space, elevator control space, or elevator control room shall cause*

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the actuation of the building fire alarm notification appliances in accordance with Section 907.

3. *Activation of any smoke detector located in the elevator hoistway, elevator machine room, elevator machinery space, elevator control space, or elevator control room shall cause all elevators having any equipment located in that elevator hoistway, elevator machine room, elevator machinery space, elevator control space, or elevator control room to recall nonstop to the appropriate designated floor in accordance with CCR Title 8, Division 1, Chapter 4, Subchapter 6, Elevator Safety Orders.*

4. *The elevator machine room, elevator machinery space, elevator control space, or elevator control room shall be enclosed with fire barriers constructed in accordance with CBC Section 707 or horizontal assemblies constructed in accordance with CBC Section 712, or both. The fire-resistance rating shall not be less than the required rating of the hoistway enclosure served by the machinery. Openings in the fire barriers shall be protected with assemblies having a fire protection rating not less than that required for the hoistway enclosure doors. The exceptions to CBC Section 3005.4 shall not apply.*

5. *The building fire alarm system shall be monitored by an approved supervising station in accordance with Section 907.*

6. *An approved sign shall be permanently displayed in the room where the fire sprinkler was removed per this section in a conspicuous location with a minimum of $1\frac{1}{2}$-inch letters on a contrasting background, stating:*

NO COMBUSTIBLE STORAGE
PERMITTED IN THIS ROOM
By Order of the Fire Marshal [or name of fire authority]

Add new Sections 8.15.5.6.1 as follows:

8.15.5.6.1 *The sprinkler required at the top and bottom of the elevator hoistway by 8.15.5.6 shall not be required where permitted by Chapter 30 of the California Building Code.*

Revise Section 8.15.7.1* as follows:

8.15.7.1* Unless the requirements of 8.15.7.2 or 8.15.7.3 are met, sprinklers shall be installed under exterior roofs, canopies, porte-cochere, balconies, decks, or similar projections exceeding 4 ft (1.2 m) in width.

Revise Section 8.15.7.2* as follows:

8.15.7.2* Sprinklers shall be permitted to be omitted where the exterior canopies, roofs, portecocheres, balconies, decks, or similar projections are constructed with materials that are noncombustible, limited-combustible, or fire retardant treated wood as defined in NFPA 703, *Standard for Fire Retardant—Treated Wood and Fire-Retardant Coatings for Building Materials*.

Delete Section A.8.15.7.2 of Annex

Revise Section 8.15.7.3

8.15.7.3 Sprinklers shall be permitted to be omitted from below the canopies, roofs, balconies, decks, or similar projections are combustible construction, provided the exposed finish material on the roof, *or* canopy is noncombustible, limited-combustible, or fire retardant treated wood as defined in NFPA 703, *Standard for Fire Retardant —Treated Wood and Fire-Retardant Coatings for Building Materials*, and the roofs, *or* canopies contains only sprinklered concealed spaces or any of the following unsprinklered combustible concealed spaces:

(1) Combustible concealed spaces filled entirely with

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noncombustible insulation.

(2) Light or ordinary hazard occupancies where noncombustible or limited-combustible ceilings are directly attached to the bottom of solid wood joists so as to create enclosed joist spaces 160 ft^3 (4.5 m^3) or less in volume, including space below insulation that is laid directly on top or within the ceiling joists in an otherwise sprinklered attic [See 11.2.3.1.5.2(9)].

(3) Concealed spaces over isolated small roofs, orcanopies not exceeding 55 ft^2 (5.1 m^2).

Delete language to section 8.15.7.4 and reserve section number.
8.15.7.4 Reserved.

Revise Annex Section A.8.15.7.5 as follows:

***A.8.15.7.5** The presence of planters, newspaper machines and similar items, should not be considered storage.*

Add Section 8.15.7.6 as follows:

***8.15.7.6** Sprinklers may be omitted for following structures:*

(1) Solar photovoltaic panel structures with no use underneath. Signs may be provided, as determined by the enforcing agency prohibiting any use underneath including storage.

(2) Solar photovoltaic (PV) panels supported by framing that have sufficient uniformly distributed and unobstructed openings throughout the top of the array (horizontal plane) to allow heat and gases to escape, as determined by the enforcing agency.

Add new Sections 8.16.1.1.1.4 and 8.16.1.1.1.5 as follows:

***8.16.1.1.1.4** Where a system includes floor control valves, a hydraulic design information sign containing information for the floor shall be provided at each floor control valve. A hydraulic design information sign shall be provided for each area calculated. The installing contractor shall identify a hydraulically designed sprinkler system with a permanently marked weatherproof metal or rigid plastic sign secured with corrosion resistant wire, chain, or other approved means. Such signs shall be placed at the alarm valve, dry pipe valve, preaction valve, or deluge valve supplying the corresponding hydraulically designed area.*

***8.16.1.1.1.5** Control valves, check valves, drain valves, antifreeze valves shall be readily accessible for inspection, testing, and maintenance. Valves located more than 7 feet above the finished floor shall be provided with a means of opening and closing the valve from the floor level.*

Add new Sections 8.16.1.6, 8.16.1.6.1, 8.16.1.6.1.1, 8.16.1.6.1.2, 8.16.1.6.1.3, 8.16.1.6.2, as follows:

8.16.1.6 Sectional Valves.

***8.16.1.6.1** Private fire service main systems shall have sectional control valves at appropriate points in order to permit sectionalizing the system in the event of a break or for the making of repairs or extensions.*

***8.16.1.6.1.1** Sectional control valves are not required when the fire service main system serves less than six fire appurtenances.*

***8.16.1.6.1.2** Sectional control valves shall be indicating valves in accordance with Section 6.6.1.3.*

***8.16.1.6.1.3** Sectional control valves shall be located so that no more*

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than five fire appurtenances are affected by shut-down of any single portion of the fire service main. Each fire hydrant, fire sprinkler system riser, and standpipe riser shall be considered a separate fire appurtenance. In-rack sprinkler systems shall not be considered as a separate appurtenance.

8.16.1.6.1.4 *The number of fire appurtenances between sectional control valves is allowed to be modified by the authority having jurisdiction.*

8.16.1.6.2 *A valve shall be provided on each bank where a main crosses a body of water or outside the building foundation(s) where the main or section of main runs under a building.*

Add new Section 9.1.3.9.1.1 as follows:

9.1.3.9.1.1 *Powder-driven studs used for attaching hangers to the building structure are prohibited in Seismic design Categories C, D, E and F.*

Revise Section 9.3.5.11.4 as follows:

9.3.5.11.4 Where threaded pipe is used for sway bracing, it shall have a wall thickness of not less than Schedule 40.

Replace Section 9.3.5.12.5 as follows:

9.3.5.12.5 Lag screws or power-driven fasteners shall not be used to attach braces to the building structure.

Replace Section 9.3.5.12.6 as follows:

9.3.5.12.6 *Fastening methods other than those identified in 9.3.5.12* shall not apply to other fastening methods, which shall be acceptable for use if certified by a registered professional engineer to support the loads determined in accordance with the criteria in 9.3.5.9. Calculations shall be submitted to the authority having jurisdiction.

Revise Section 9.3.5.12.8.4 as follows:

9.3.5.12.8.4 Concrete anchors other than those shown in *Table 9.3.5.12.2(a) through Table 9.3.5.12.2(f) and identified in 9.3.5.11.11* shall be acceptable for use where designed in accordance with the requirements of the building code and certified by a registered professional engineer.

Revise Section 9.3.6.1(3) as follows:

9.3.6.1*(3) *No. 12,440 lb (200 Kg) wire installed at least 45 degrees from the vertical plane and anchored on both sides of the pipe. Powder-driven fasteners for attaching restraint is allowed to be used provided that the restraint component does not support the dead load.*

Revise Section 10.4.3.1.1 as follows:

10.4.3.1.1 Pipe joints shall not be located under foundation footings. *The pipe under the building or building foundation shall not contain mechanical joints.*

Exceptions*:*

1. *Where allowed in accordance with Section 10.4.3.2.*
2. *Alternate designs may be utilized where designed by a registered professional engineer and approved by the enforcing agency.*

Revise Section 11.2.3.1.5.2(9) as follows:

11.2.3.1.5.2(9) Exterior columns under 10 ft^2 (0.93m^2) in total area, formed by studs or wood joist, *with no sources of ignition within the column*, supporting exterior canopies that are fully protected with a

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sprinkler system.

Revise Section 11.2.3.2.3.1 as follows:

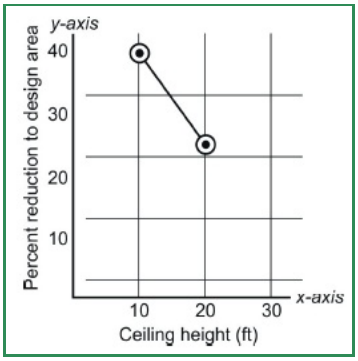
11.2.3.2.3.1 Where listed quick-response sprinklers, excluding extended coverage quick-response sprinklers, are used throughout a system or portion of a system having the same hydraulic design basis, the system area of operation shall be permitted to be reduced without revising the density as indicated in Figure 11.2.3.2.3.1 when all of the following conditions are satisfied:

(1) Wet pipe system

(2) Light hazard occupancy

(3) 20 ft (6.1 m) maximum ceiling height

(4) There are no unprotected ceiling pockets as allowed by 8.6.7 and 8.8.7 exceeding 32 ft^2 (3 m^2)



Note:

$$y = \frac{-3x}{2} + 55$$

For ceiling height ≥ 10 ft and ≤ 20 ft,

$$y = \frac{-3x}{2} + 55$$

For ceiling height < 10 ft, y = 40
For ceiling height > 20 ft, y = 0
For SI units, 1 ft = 0.31 m.

Revise Section 11.2.3.2.3.2 as follows:

11.2.3.2.3.2 The number of sprinklers in the design area shall never be less than *seven*.

Revise Section 12.1.1.2 as follows:

12.1.1.2 Early suppression fast-response (ESFR) sprinklers shall not be used in buildings with automatic heat or smoke vents unless the vents use a standard-response operating mechanism *with a minimum temperature rating of 360°F (182°C) or 100°F (56°C) above the operating temperature of the sprinklers, whichever is higher*.

[Add Section 23.2.1.1 as follows:]

23.2.1.1* Where a waterflow test is used for the purposes of system design, the test shall be conducted no more than 12 6 months prior to working plan submittal unless otherwise approved by the authority having jurisdiction.

Revise Section 25.1 as follows:

25.1 Approval of Sprinkler Systems and Private Fire Service Mains. The installing contractor shall do the following:

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(1) Notify the authority having jurisdiction and the property owner or property owner's authorized representative of the time and date testing will be performed.

(2) Perform all required testing (*see Section 25.2*).

(3) Complete and sign the appropriate contractor's material and test certificate(s) (*see Figure 25.1*).

(4) Remove all caps and straps prior to placing the sprinkler system in service.

(5) Upon system acceptance by the authority having jurisdiction a label prescribed by Title 19 California Code of Regulations, Chapter 5 shall be affixed to each system riser.

Revise Section 25.4 as follows:

25.4 Instructions. The installing contractor shall provide the property owner or the property owner's authorized representative with the following:

(1) All literature and instructions provided by the manufacturer describing proper operation and maintenance of any equipment and devices installed.

(2) NFPA 25, *Standard for the Inspection, testing, and maintenance of Water-Based Fire Protection Systems, 2013 California Edition*.

(3) *Title 19, California Code of Regulations, Chapter 5, "Fire Extinguishing Systems."*

Revise Section 25.5.1 as follows:

25.5.1 The installing contractor shall identify a hydraulically designed sprinkler system with a permanently marked weatherproof metal or rigid plastic sign secured with corrosion resistant wire, chain, or other approved means. Such signs shall be placed at the alarm valve, dry pipe valve, preaction valve, or deluge valve supplying the corresponding hydraulically designed area. *Pipe schedule systems shall be provided with a sign indicating that the system was designed and installed as a pipe schedule system and the hazard classification(s) included in the design.*

Revise Section 25.5.2 as follows:

25.5.2 The sign shall include the following information:

(1) Location of the design area or areas

(2) Discharge densities over the design area or areas

(3) Required flow and pressure of the system at the base of the riser.

(4) Occupancy classification or commodity classification and maximum permitted storage height and configuration

(5) Hose stream allowance included in addition to the sprinkler demand

(6) The name of the installing contractor

(7) Required flow and pressure of the system at the water supply source.

(8) Required flow and pressure of the system at the discharge side of the fire pump where a fire pump is installed.

(9) Type or types and number of sprinklers or nozzles installed including the orifice size, temperature rating, orientation, K-Factor, sprinkler identification number (SIN) for sprinkler heads when applicable, and response type.

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(10) The minimum discharge flow rate and pressure required from the hydraulically most demanding sprinkler.

(11) The required pressure settings for pressure reducing valves.

(12) For deluge sprinkler systems, the required flow and pressure at the hydraulically most demanding sprinkler or nozzle.

(13) The protection area per sprinkler based on the hydraulic calculations.

(14) The edition of NFPA 13 to which the system was designed and installed.

Revise Section 25.6.1 as follows:

25.6.1 The installing contractor shall provide a general information sign used to determine system design basis and information relevant to the inspection, testing, and maintenance requirements required by NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2013 California Edition*.

13D—16	Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes*, as amended**	903.3.1.3

NFPA 13D, Amended Sections as follows:

Revise Section 6.2.2 to read as follows:

6.2.2 Where a *well*, pump, tank *or combination thereof* is the source of supply for a fire sprinkler system, *the configuration for the system shall be one of the following:*

(1) *The water supply shall serve both domestic and fire sprinkler systems.*

(a) A test connection shall be provided downstream of the pump that creates a flow of water equal to the smallest sprinkler on the system. The connection shall return water to the tank.

(b) Any disconnecting means for the pump shall be approved.

(c) A method for refilling the tank shall be piped to the tank.

(d) A method of seeing the water level in the tank shall be provided without having to open the tank.

(e) The pump shall not be permitted to sit directly on the floor.

(2) *A stand-alone tank is permitted if the following conditions are met:*

(a) The pump shall be connected to a 220-volt circuit breaker shared with a common household appliance (e.g., range, oven, dryer),

(b) The pump shall be a stainless steel 240-volt pump,

(c) A valve shall be provided to exercise the pump. The discharge of the exercise valve shall drain to the tank, and

(d) A sign shall be provided stating: "Valve must be opened monthly for 5 minutes."

(e) A means for automatically refilling the tank level, so that the tank capacity will meet the required water supply duration in minutes, shall be provided.

(f) A test connection shall be provided downstream of the

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(f) A test connection shall be provided downstream of the pump that creates a flow of water equal to the smallest sprinkler on the system. The connection shall return water to the tank.

(g) Any disconnecting means for the pump shall be approved.

(h) A method for refilling the tank shall be piped to the tank.

(i) A method of seeing the water level in the tank shall be provided without having to open the tank.

(j) The pump shall not be permitted to sit directly on the floor.

Add new Section 6.2.2.1 as follows:

6.2.2.1 *Where a fire sprinkler system is supplied by a stored water source with an automatically operated means of pressurizing the system other than an electric pump, the water supply may serve the sprinkler system only.*

Add new Section 6.2.4 as follows:

6.2.4 *Where a water supply serves both domestic and fire sprinkler systems, 5 gpm (19 L/min) shall be added to the sprinkler system demand at the point where the systems are connected, to determine the size of common piping and the size of the total water supply requirements where no provision is made to prevent flow into the domestic water system upon operation of a sprinkler. For multipurpose piping systems, the 5 gpm (19 L/min) demand shall be added at the domestic connection nearest the design area. This demand may be split between two domestic connections at 2.5 gpm (10 L/min) each.*

Revise Section 8.3.4 as follows:

8.3.4* Sprinklers shall not be required in *detached* garages, open attached porches, carports *with no habitable space above*, and similar structures.

Add *new* Sections *8.3.10 and 8.3.10.1* as follows:

8.3.10 Solar photovoltaic panel structures

8.3.10.1 *Sprinklers shall be permitted to be omitted from the following structures:*

(1) Solar photovoltaic panel structures with no use underneath. Signs may be provided, as determined by the enforcing agency prohibiting any use underneath including storage.

(2) Solar photovoltaic (PV) panels supported by framing that have sufficient uniformly distributed and unobstructed openings throughout the top of the array (horizontal plane) to allow heat and gases to escape, as determined by the enforcing agency.

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13R—16	Standard for the Installation of Sprinkler Systems in Low-rise Residential Occupancies	903.3.1.2, 903.3.5.2, 903.4

NFPA 13R, Amended Sections as follows:

Revise Section 2.2 and add publications as follows:

2.2 NFPA Publications.

NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2013 California edition.

Add new Sections 6.6.10 and 6.10.1 as follows:

6.6.10 Solar photovoltaic panel structures

6.6.10.1 *Sprinklers shall be permitted to be omitted from the following structures:*

(1) Solar photovoltaic panel structures with no use underneath. Signs may be provided, as determined by the enforcing agency prohibiting any use underneath including storage.

(2) Solar photovoltaic (PV) panels supported by framing that have sufficient uniformly distributed and unobstructed openings throughout the top of the array (horizontal plane) to allow heat and gases to escape, as determined by the enforcing agency.

Revise Section 11.4 as follows:

11.4 Instructions.

The installing contractor shall provide the property owner or the property owner's authorized representative with the following:

(1) All literature and instructions provided by the manufacturer describing proper operation and maintenance of any equipment and devices installed.

(2) NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems 2013 California Edition and Title 19, California Code of Regulations, Chapter 5.

(3) Once the system is accepted by the authority havingjurisdiction a label as prescribed by Title 19, California Code of Regulations, Chapter 5, shall be affixed to each system riser.

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14—16	Standard for the Installation of Standpipe and Hose System, *as amended**	905.2, 905.3.4, 905.4.2, 905.6.2, 905.8
	NFPA 14, Amended Sections as follows: ***Replace Section 6.3.7.1*** ***6.3.7.1** System water supply valves, isolation control valves, and other valves in fire mains shall be supervised in an approved manner in the open position by one of the following methods:* *(1) Where a building has a fire alarm system or a sprinkler monitoring system installed, the valve shall be supervised by:* *(a) a central station, proprietary, or remote supervising station, or* *(b) a local signaling service that initiates an audible signal at a constantly attended location.* *(2) Where a building does not have a fire alarm system or a sprinkler monitoring system installed, the valve shall be supervised by:* *(a) Locking the valves in the open position, or* *(b) Sealing of valves and an approved weekly recorded inspection where valves are located within fenced enclosures under the control of the owner.*	

16—15 Standard for the Installation of Foam-water Sprinkler and Foam-water Spray Systems	904.7, 904.12

17—17 Standard for Dry Chemical Extinguishing Systems	904.6, 904.12

17A—17 Standard for Wet Chemical Extinguishing Systems	904.5, 904.12

20—16 Standard for the Installation of Stationary Pumps for Fire Protection	412.2.4.1, 913.1, 913.2, 913.2.1, 913.5

24—16	Installation of Private Fire Service Mains and Their Appurtenances, as amended*	*3109F*

Exported from UpCodes

	NFPA 24, Amended Sections as follows: ***Amend Section 4.2.1 as follows:*** **Section 4.2.1.** Installation work shall be done by fully experienced and responsible *contractors. Contractors shall be appropriately licensed in the State of California to install private fire service mains and their appurtenances.* ***Revise Section 4.2.2 as follows:*** **4.2.2** *Installation or modification of private fire service mains shall not begin until plans are approved and appropriate permits secured from* the authority having jurisdiction. ***Add Section 4.2.2.1 as follows:*** **4.2.2.1** As approved by the authority havingjurisdiction, emergency repair of existing system may start immediately, with plans being submitted to the authority having jurisdiction within 96 hours from the start of therepair work. ***Revise Section 5.9.5.1 as follows:*** **5.9.5.1** Fire department connections shall be on the street side of buildings and *as approved by the authority havingjurisdiction.* ***Add Sections 6.6.1.1, 6.6.1.2, 6.6.1.3 and 6.6.1.4 as follows:*** ***6.6.1.1** Sectional control valves are not required when the fire service main system serves less than six fire appurtenances.* ***6.6.1.2** Sectional control valves shall be indicating valves in accordance with NFPA 13, Section 6.7.1.3.* ***6.6.1.3** Sectional control valves shall be located so that no more than five fire appurtenances are affected by shut-down of any single portion of the fire service main. Each fire hydrant, fire sprinkler system riser, and standpipe riser shall be considered a separate fire appurtenance. In-rack sprinkler systems shall not be considered as a separate appurtenance.* ***6.6.1.4** The number of fire appurtenances between sectional control valves is allowed to be modified by the authority having jurisdiction.* ***Revise Section 10.4.3.1.1 as follows:*** ***10.4.3.1.1** Pipe joints shall not be located under foundation footings. The pipe under the building or building foundation shall not contain mechanical joints.* ***Exceptions:*** 1. *Where allowed in accordance with 10.4.3.2.* 2. *Alternate designs may be utilized where designed by a registered professional engineer and approved by the enforcing agency.* ***Revise Section 10.9.1 as follows:*** ***10.9.1** Backfill shall be well tamped in layers or puddle under and around pipes to prevent settlement or lateral movement.* Backfill shall consist of clean fill sand or pea gravel to a minimum 6" below and to a minimum of 12" above the pipe *and shall contain no ashes, cinders, refuse, organic matter, or other corrosive materials. Other backfill materials and methods are permitted where designed by a registered professional engineer and approved by the enforcing agency.*	
25—13CA	***California NFPA 25 Edition (Based on the 2011 Edition)*** Inspection, Testing and Maintenance of Water-based Fire Protection Systems	*Chapter 31F, 3108F*

Exported from UpCodes

30—18 Flammable and Combustible Liquids Code	415.6, 507.8.1.1.1, 507.8.1.1.2
30A—18 Code for Motor Fuel Dispensing Facilities and Repair Garages	406.2.9.2
31—16 Standard for the Installation of Oil-burning Equipment	2113.15

Exported from UpCodes

32—16	Standard for Dry Cleaning Plants, *as amended**	415.9.3, *2101.1.1*
	***NFPA 32, Amended Sections as follows:** ***Delete the following publications from Section 2.2:** ***2.2 NFPA Publications.** NFPA 10, *Standard for Portable Fire Extinguishers*, 2010 edition. NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*, 2011 edition. NFPA 70, *National Electrical Code®*, 2011 edition. NFPA *101®, Life Safety Code®*, 2009 edition. NFPA 5000®, *Building Construction and Safety Code®*, 2009 edition. ***Revise Section 4.4.1.1 as follows:** **4.4.1.1** General building and structure design and construction shall be in accordance with *California Building Code*. ***Delete language to Sections 4.4.1.2 and 4.4.1.3 and reserve section numbers.** **4.4.1.2 Reserved** **4.4.1.3 Reserved** ***Revise Section 4.4.4 as follows:** **4.4.4 Means of Egress**. Means of egress shall conform with the provisions of the *California Building Code*. ***Revise Section 4.6.2 as follows:** **4.6.2 Automatic Sprinkler Systems**. Where required by this standard, automatic sprinkler systems shall be installed in accordance with NFPA 13, *Standard for the Installation of Sprinkler Systems*, and periodically inspected, tested, and maintained in accordance with *California Code of Regulations, Title 19, Division 1, Chapter 5*. ***Revise Section 4.6.4 as follows:** **4.6.4 Portable Fire Extinguishers**. Suitable numbers and types of portable fire extinguishers shall be installed and maintained throughout the drycleaning plant in accordance with *California Code of Regulations, Title 19, Division 1, Chapter 3*. ***Revise Section 7.3.2 as follows:** **7.3.2 Electrical Installations**. Electrical equipment and wiring in a Type II drycleaning room shall comply with the provisions of *California Electrical Code*, for use in Class I, Division 2 hazardous locations.	
37—15	*Installation and Use of Stationary Combustion Engines and Gas Turbines*	

40—16	Standard for the Storage and Handling of Cellulose Nitrate Film	409.1

45—15	Standard on Fire Protection Laboratories Using Chemicals (2015 Edition)	

Exported from UpCodes

		428.3.7
54—15	*National Fuel Gas Code*	
58—17	Liquefied Petroleum Gas Code	415.9.2
61—17	Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Product Facilities	426.1
70—17	National Electrical Code	108.3, 406.2.7, 406.2.9, 412.5.7, 415.11.1.8, Table 509, 904.3.1, 907.6.1, 909.12.2, 909.16.3, 910.4.6, 1204.4.1, 2701.1, 2702.1.3, 3111.3
72—16	National Fire Alarm and Signaling Code, *as amended**	407.4.4.3, 407.4.4.5, 407.4.4.5.1, 901.6, 903.4.1, 904.3.5, 907.1.2, 907.2, 907.2.6, 907.2.9.3, 907.2.10, 907.2.12.2, 907.3, 907.3.3, 907.3.4, 907.5.2.1.2, 907.5.2.2, 907.5.2.2.5, 907.6, 907.6.1, 907.6.2, 907.6.6, 907.7, 907.7.1, 907.7.2, 911.1.6, 917.1, 2702.2.4, 3005.5, 3007.7, *3108F*
	NFPA 72, Amended Sections as follows: ***Revise Section 10.3.1 as follows:*** **10.3.1** Equipment constructed and installed in conformity with this Code shall be listed for the purpose for which it is used. *Fire alarm systems and components shall be California State Fire Marshal approved and listed in accordance with California Code of Regulations, Title 19, Division 1.* ***Revise Section 10.3.3 as follows:*** **10.3.3** All devices and appliances that receive their power from the initiating device circuit or signaling line circuit of a control unit shall be *California State Fire Marshal* listed for use with the control unit. ***Revise Section 10.7.1 as follows:*** **10.7.1** *Where approved by the authority having jurisdiction*, ECS priority signals when evaluated by stakeholders through risk analysis in accordance with 24.3.11 shall be permitted to take precedence over all other signals. ***Revise Section 12.3.8.1 as follows:*** **12.3.8.1** The outgoing and return (redundant) circuit conductors shall be	

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permitted in the same cable assembly (i.e., multiconductor cable), enclosure, or raceway only under the following conditions:

(1) For a distance not to exceed 10 ft (3.0 m) where the outgoing and return conductors enter or exit the initiating device, notification appliance, or control unit enclosures.

(2) Single drops installed in the raceway to individual devices or appliances.

(3) *In a single room not exceeding 1000 ft^2 (93 m^2) in area, a drop installed in the raceway to multiple devices or appliances that does not include any emergency control function devices.

(4) Where the vertically run conductors are contained in a 2-hour rated cable assembly, or enclosed (installed) in a 2-hour rated enclosure or a listed circuit integrity (C.I.) cable, which meets or exceeds a 2-hour fire-resistive rating.

Revise Section 14.4.6.1 as follows:

14.4.6.1 Testing. Household fire alarm systems shall be tested in *accordance with the manufacturer's published instructions* according to the methods of Table 14.4.3.2.

Revise Section 17.15 as follows:

17.15 Fire Extinguisher Electronic Monitoring Device. A fire extinguisher electronic monitoring device shall indicate those conditions for a specific fire extinguisher required by *California Code of Regulations, Title 19, Division 1, Chapter 1, Section 574.2 (c) and California Fire Code to afire alarm control unit*.

Revise Section 21.3.6 as follows:

21.3.6 Smoke detectors shall not be installed in unsprinklered elevator hoistways unless they are installed to activate the elevator hoistway smoke relief equipment *or where required by Chapter 30 of the California Building Code*.

Revise Section 12.3.7 as follows:

12.3.7 (4) Where the vertically run conductors are contained in a 2-hour rated cable assembly, or enclosed (installed) in a 2-hour rated enclosure or a listed circuit integrity (C.I.) cable, which meets or exceeds a 2-hour fire resistive rating.

Revise Section 23.8.5.1.2 as follows:

23.8.5.1.2 Where connected to a supervising station, fire alarm systems employing automatic fire detectors or waterflow detection devices shall include a manual fire alarm box to initiate a signal to the supervising station.

> ***Exception***: Fire alarm systems dedicated to elevator recall control, supervisory service and fire sprinkler monitoring *as permitted in section 21.3 of NFPA 72*.

Revise Section 23.8.5.4.1 as follows:

23.8.5.4.1 Systems equipped with alarm verification features shall be permitted under the following conditions:

(1) The alarm verification feature is not initially enabled unless conditions or occupant activities that are expected to cause nuisance alarms are anticipated in the area that is protected by the smoke detectors. Enabling of the alarm verification feature shall be protected by password or limited access.

(2) A smoke detector that is continuously subjected to a smoke concentration above alarm threshold does not delay the system functions of Sections 10.7 through 10.16, 23.8.1.1, or 21.2.1 by more than 30 seconds.

(3) Actuation of an alarm initiating device other than a smoke detector

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(3) Actuation of an alarm-initiating device other than a smoke detector causes the system functions of Sections 10.7 through 10.16, 23.8.1.1, or 21.2.1 without additional delay.

(4) The current status of the alarm verification feature is shown on the record of completion (*see Figure 7.8.2(a), Item 4.3*).

(5) *Operation of a patient room smoke detector in I-2 and R-2.1 occupancies shall not include an alarm verification feature.*

Revise Section 29.3.1 as follows:

29.3.1 All devices, combinations of devices, and equipment to be installed in conformity with this chapter shall be approved *and* listed *by the California State Fire Marshal* for the purposes for which they are intended.

Revise Section 29.5.2.1.1 as follows:

29.5.2.1.1* Smoke and Heat Alarms. Unless exempted by applicable laws, codes, or standards, smoke or heat alarms used to provide a fire-warning function, and when two or more alarms are installed within a dwelling unit, suite of rooms, or similar area, shall be arranged so that the operation of any smoke or heat alarm causes all alarms within these locations to sound.

Note: Exception to 29.5.2.1.1 not adopted by the SFM.

Add Section 29.7.2.1 as follows:

29.7.2.1 *The alarm verification feature shall not be used for household fire warning equipment.*

Add Section 29.7.6.7.1 as follows:

29.7.6.7.1 *The alarm verification feature shall not be used for household fire warning equipment.*

Revise Section 23.8.3.4 as follows:

29.8.3.4 Specific location requirements*. The installation of smoke alarms and smoke detectors shall comply with the following requirements:*

(1) Smoke alarms and smoke detectors shall not be located where ambient conditions, including humidity and temperature, are outside the limits specified by the manufacturer's published instructions.

(2) Smoke alarms and smoke detectors shall not be located within unfinished attics or garages or in other spaces where temperatures can fall below 40°F (4°C) or exceed 100°F (38°C).

(3) Where the mounting surface could become considerably warmer or cooler than the room, such as a poorly insulated ceiling below an unfinished attic or an exterior wall, smoke alarms and smoke detectors shall be mounted on an insidewall.

(4) Smoke alarms or smoke detectors shall be installed a minimum of 20 feet horizontal distance from a permanently installed cooking appliance.

> ***Exceptions****: Ionization smoke alarms with an alarm silencing switch or photoelectric smoke alarms shall be permitted to be installed 10 feet (3 m) or greater from a permanently installed cooking appliance.*
>
> *Photoelectric smoke alarms shall be permitted to be installed greater than 6 feet (1.8 m) from a permanently installed cooking appliance where the kitchen or cooking area and adjacent spaces have no clear interior partitions and the 10 ft distances would prohibit the placement of a smoke alarm or smoke detector required by other sections of the code.*
>
> *Smoke alarms listed for use in close proximity to a permanently installed cooking appliance.*

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(5) Effective January 1, 2016, smoke alarms and smoke detectors used in household fire alarm systems installed between 6 ft (1.8 m) and 20 ft (6.1 m) along a horizontal flow path from a stationary or fixed cooking appliance shall be listed for resistance to common nuisance sources from cooking.

(6) Installation near bathrooms. Smoke alarms shall be installed not less than a 3-foot (0.91 m) horizontal distance from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent placement of a smoke alarm required by other sections of the code.

(7) Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the supply registers of a forced air heating or cooling system and shall be installed outside of the direct airflow from those registers.

(8) Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the tip of the blade of a ceiling-suspended (paddle) fan.

(9) Where stairs lead to other occupied levels, a smoke alarm or smoke detector shall be located so that smoke rising in the stairway cannot be prevented from reaching the smoke alarm or smoke detector by an intervening door or obstruction.

(10) For stairways leading up from a basement, smoke alarms or smoke detectors shall be located on the basement ceiling near the entry to the stairs.

(11) For tray-shaped ceilings (coffered ceilings), smoke alarms and smoke detectors shall be installed on the highest portion of the ceiling or on the sloped portion of the ceiling within 12 in. (300 mm) vertically down from the highest point.

(12) Smoke alarms and detectors installed in rooms with joists or beams shall comply with the requirements of 17.7.3.2.4 of NFPA 72.

(13) Heat alarms and detectors installed in rooms with joists or beams shall comply with the requirements of 17.6.3 of NFPA 72.

80—16	Standard for Fire Doors and Other Opening Protectives	410.2.5, 509.4.2, 716.1, 716.2.5.1, 716.2.6.4, 716.2.9, 716.3.4.1, 716.3.5, 1010.1.4.3
82—14	Standard on Incinerators and Waste and Linen Handling Systems and Equipment	713.13
85—15	Boiler and Combustion System Hazards Code	426.1
92—15	Standard for Smoke Control Systems	909.7, 909.8
99—18	Health Care Facilities Code	

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407.11, 422.6, 425.1	
101—18 Life Safety Code 1029.6.2	
105—16 Standard for Smoke Door Assemblies and Other Opening Protectives 405.4.2, 710.5.2.2, 716.2.10, 909.20.4.1	
110—16 Standard for Emergency and Standby Power Systems 2702.1.3, *3111F*	
111—13 Standard on Stored Electrical Energy Emergency and Standby Power Systems 2702.1.3, *3111F*	
120—15 Standard for Fire Prevention and Control in Coal Mines 426.1	
130—14	Standard for Fixed Guideway Transit and Passenger Rail Systems — 443
	NFPA 130, Amended Sections as follows: ***Amend Section 2.2 and amend publications to read as follows:*** ***2.2 NFPA Publications.*** NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, *2013 California edition*. **Amend Section 3.3.44.2 and amend publications to read as follows:** **3.3.44.2* Open Station**. A station that is constructed such that it is directly open to the atmosphere and smoke and heat are allowed to disperse directly into the atmosphere. *The following enclosed areas in open stations are permitted:* 1. *Ticket/pass booths not exceeding 150 square feet (13.9 m^2) in area.* 2. *Mechanical and electrical spaces typically not used for human occupancy and necessary for the operation of a fixed guideway transit system. Such spaces shall be limited to two per level.* 3. *Restrooms not exceeding 150 square feet (13.9 m^2) in area. A maximum of four restrooms are permitted per level.* ***Add a new definition as 3.3.44.3 to read as follows:*** ***3.3.44.1.1 Underground Station**. A station or portion thereof that is located beneath the surface of the earth or of the water.* ***Amend Section 5.2.2.1 to read as follows:***

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5.2.2.1 Building construction for all new enclosed stations shall be not less than *Type IA, Type IB or Type IIA construction and shall not exceed in area or height the limits specified in the California Building Code Table 503*, for the station configuration or as determined by fire hazard analysis of potential fire exposure hazards to the structure.

Add Section 5.2.2.1.1 —5.2.2.1.3 to read as follows:

5.2.2.1.1 *Underground stations shall be a minimum Type IA or Type IB constructions.*

5.2.2.1.2 *Open stations may be of Type IIB construction and shall not exceed in area or height as required by Table 503 for Type IIA.*

5.2.2.1.3 *Open at grade stations may be of any construction type allowed by the California Building Code.*

Delete Section 5.2.2.2.

Amend Section 5.2.4.3 to read as follows:

5.2.4.3 Ancillary Spaces. Fire resistance ratings of separations between ancillary occupancies shall be established as required by the *California Building Code*.

Amend Section 5.2.4.3.1 to read as follows:

5.2.4.3.1 *The following areas shall be separated by a two-hourfire barrier:*

1. *Electrical control rooms, auxiliary electrical rooms and associated battery rooms*
2. *Trash rooms*
3. *Train control rooms and associated battery rooms*
4. *Fan rooms*
5. *Emergency generator rooms*

Amend Section 5.2.4.5 to read as follows:

5.2.4.5* Separation Between System and Nonsystem Occupancies. All station public areas shall be fire separated from adjacent nonsystem occupancies *by a one hour fire barrier, unless otherwise required by other provisions of the California Building Code*.

Amend Section 5.3.1.1 to read as follows:

5.3.1.1 The provisions for means of egress for a station shall comply with Chapter *10 of the California Building Code*, except as herein modified.

Amend Section 5.3.2.1 to read as follows:

5.3.2.1* The occupant load for a station shall be based on the train load of trains simultaneously entering the station on all tracks in normal traffic direction plus the simultaneous entraining load awaiting trains.

(1) The train load shall consider only one train at any one track.

(2) The basis for calculating train and entraining loads shall be the peak period ridership figures as projected for design of a new system or as updated for an operating system.

(3) *Exiting shall be provided for occupant loads recalculated upon increase in service and/ or every five years.*

Amend Section 5.3.3.5 to read as follows:

5.3.3.5 Travel Distance. The maximum travel distance on the platform to a point at which a means of egress route leaves the platform shall not exceed *91 440 mm (300 feet)*.

Amend Section 5.3.3.7 to read as follows:

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5.3.3.7 Alternate Egress. At least two means of egress remote from each other shall be provided from each station platform as follows:

(1) *A means of egress used as a public circulation route shall be permitted to provide more than 50 percent of the required egress capacity from a station platform or other location.

(2) Means of egress from separate platforms shall be permitted to converge.

(3) Where means of egress routes from separate platforms converge, the subsequent capacity of the egress route shall be sufficient to maintain the required evacuation time from the incident platform.

(4) *Enclosed station platforms shall have a minimum of oneexit within 2.5 times the least width of the enclosed station platform up to a maximum of 50 feet (insert mm) from each end.*

(5) *Routes from platform ends into the underground guideway shall not be considered as exits for calculating exiting requirements.*

Amend Section 5.3.11.1 to read as follows:

5.3.11.1 Illumination of the means of egress in stations, including escalators that are considered a means of egress, shall be in accordance with *Chapter 10* of the *California Building Code*.

Amend Section 5.3.11.2 to read as follows:

5.3.11.2 Means of egress, including escalators considered as means of egress, shall be provided with a system of emergency lighting in accordance with *Chapter 10* of the *California Building Code*.

Amend Section 5.4.1.1 to read as follows:

5.4.1.1 Enclosed stations shall be provided with a fire command center in accordance with *Section 911.1.1 through 911.5 of the California Building Code*.

Amend Section 5.4.4.1 to read as follows:

5.4.4.1* An automatic sprinkler protection system shall be provided *where required by Section 903 of the California Building Code*.

Delete Section 5.4.4.2.

Amend Section 5.4.5.1 to read as follows:

5.4.5.1* Class I standpipes shall be installed *where required by Chapter 9 of the California Building Code* in accordance with NFPA 14 except as modified herein.

Amend Section 7.3.2.1 to read as follows:

7.3.2.1 The fan inlet airflow hot temperature shall be determined by an engineering analysis, however, this temperature shall not be less than 482°C (250°F). *Ventilation fans and related components shall be capable of withstanding the maximum anticipated plus/minus pressure transients induced by train operations*.

Add Section 7.6.1.1 to read as follows:

***7.6.1.1** Ventilation of stations shall not terminate atgrade on any vehicle roadway.*

Amend Section 7.7.1 to read as follows:

7.7.1 Operation of the emergency ventilation system components shall be *capable of automatic and manual initiation in accordance with 909.12.3 of the California Building Code*.

Amend Section 7.8.1 to read as follows:

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	Amend Section 7.8.1 to read as follows: **7.8.1** The design of the power for the emergencyventilation system shall comply with the requirements of Article 700 of *the California Electrical Code and Section 909 of the California Building Code*.

170—18 Standard for Fire Safety and Emergency Symbols	1025.2.6.1

211—16 Standard for Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	2112.5

221—18 Standard for High Challenge Fire Walls, Fire Walls and Fire Barrier Walls	706.2

252—17 Standard Methods of Fire Tests of Door Assemblies	Table 716.1(1), 716.1.1, 716.1.2.2.1, 716.2.1.1, 716.2.1.2, 716.2.2.1, 716.2.2.2, 716.2.2.3.1, 716.2.5.1.1

253—15 Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	406.2.4, 424.2, 804.2, 804.3

257—17 Standard for Fire Test for Window and Glass Block Assemblies	Table 716.1(1), 716.1.1, 716.1.2.2.2, T716.2.1.3, 716.3.1.1, 716.3.1.2, 716.3.2.1.3, 716.3.4

259—18 Standard Test Method for Potential Heat of Building Materials	2603.4.1.10, 2603.5.3

265—15 Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Wall Coverings on Full Height Panels and Walls	803.5.1, 803.5.1.1

268—17 Standard Test Method for Determining Ignitability of Exterior Wall Assemblies Using a Radiant Heat Energy Source	

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	1405.1.1.1, 1405.1.1.1.1, 1405.1.1.1.2, 2603.5.7
275—17 Standard Method of Fire Tests for the Evaluation of Thermal Barriers	1406.10.2, 1408.10.2, 2603.4
276—15 Standard Method of Fire Tests for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-deck Roofing Components	1508.1, 2603.3, 2603.4.1.5
285—17 Standard Fire Test Method for the Evaluation of Fire Propagation Characteristics of Exterior Nonload-bearing Wall Assemblies Containing Combustible Components	718.2.6, 1402.5, 1406.10.4, 1408.10.4, 1510.6.2, 2603.5.5
286—15 Standard Methods of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	402.6.4.4, 803.1.1, 803.1.1.1, 803.11, 803.12, 803.13, 1406.10.3, 2603.7, 2603.9, 2604.2.4, 2614.4, 3105.3
288—17 Standard Methods of Fire Tests of Horizontal Fire Door Assemblies Installed in Horizontal in Fire-resistance-rated Floor Systems	712.1.13.1
289—18 Standard Method of Fire Test for Individual Fuel Packages	402.6.2, 402.6.4.5, 424.2, 806.4
409—16 Standard for Aircraft Hangars	412.3.6, Table 412.3.6, 412.3.6.1, 412.5.5
418—16 Standard for Heliports	412.7.4
484—18 Standard for Combustible Metals	426.1
502—14	

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Standard for Road Tunnels, Bridges, and Other Limited Access Highways	
429	
652—16	
Standard on the Fundamentals of Combustible Dust	
426.1	
654—17	
Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids	
426.1	
655—17	
Standard for the Prevention of Sulfur Fires and Explosions	
426.1	
664—17	
Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities	
426.1	
701—15	
Standard Methods of Fire Tests for Flame Propagation of Textiles and Films	
410.2.6, 424.2, 806.4, 3102.3, 3102.3.1, 3102.6.1.1, 3105.3	
704—17	
Standard System for the Identification of the Hazards of Materials for Emergency Response	
202, 415.5.2	
720—15	
Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment	
915.4.1, 915.6, 915.7	
750—15	
Standard on Water Mist Fire Protection Systems	
202, 904.11.1.1, 904.12	
1124—17	
Code for the Manufacture, Transportation and Storage *and Retail Sales* of Fireworks and Pyrotechnic Articles	

Exported from UpCodes

415.6.1.1

2001—15	Standard on Clean Agent Fire Extinguishing Systems, *as amended**	904.10
	NFPA 2001, Amended Sections as follows: ***Add Sections 4.3.5.1.1 and 4.3.5.2.1 to read as follows:*** ***4.3.5.1.1** Alarms signals from the fire extinguishing system shall not interfere with the building fire alarm signal.* ***4.3.5.2.1** The lens on visual appliances shall be "red" in color.* ***Exception**: Other lens colors are permitted where approved by the enforcing agency.*	

2010—15

Standard for Fixed Aerosol Fire-extinguishing Systems

904.14

PCI

MNL 124—11

Design for Fire Resistance of Precast Prestressed Concrete

Precast Prestressed Concrete Institut
200 West Adams Street, Suite 2100
Chicago, IL 60606-6938

722.2.3.1

MNL 128—01

Recommended Practice for Glass Fiber Reinforced Concrete Panels

1903.3

MNL 120—17

PCI Design Handbook 8th Edition

1905A.1.1, 1905A.1.2

PTI

PTI DC35.1—14

Recommendations for Prestressed Rock and Soil Anchors

Post-Tensioning Institute
38800 Country Club Drive
Farmington Hills, MI 4833

1810A.3.10.4, 1811A.2, 1812A.4, 1812A.5, 1810.3.10.4.1, 1811.2, 1812.4, 1812.5,1813.2

PTI DC—10.5-12

Standard Requirements for Design and Analysis of Shallow Concrete Foundations on Expansive Soils

1808.6.2

RMI

Rack Manufacturers Institute
8720 Red Oak Boulevard, Suite 20
Charlotte, NC 28217

ANSI/MH16.1—12

Exported from UpCodes

Specification for Design, Testing and Utilization of Industrial Steel Storage Racks

2209.1

ANSI/MH16.3—16

Specification for the Design, Testing and Utilization of Industrial Steel Cantilevered Storage Racks

2209.2

SBCA

Structural Building Components Associatio
6300 Enterprise Lane
Madison, WI 53719

ANSI/FS 100-12

Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies

2603.10

SDI

Steel Deck Institute
2661 Clearview Road #
Allison Park, PA 15101

SDI NC —2017

Standard for Noncomposite Steel Floor Deck

2210.1.1.1

SDI RD—2017

Standard for Steel Roof Deck

2210.1.1.2

SDI-C—2017

Standard for Composite Steel Floor Deck—Slabs

2210.1.1.3

SDI-QA/QC—2017

Standard for Quality Control and Quality Assurance for Installation of Steel Deck

1705.2.2

12-3

SFM

State of California
Department of Forestry and Fire Protectio
Office of the State Fire Marshal
P.O. Box 944246
Sacramento, CA 94246-2460

Releasing Systems for Security Bars in Dwellings

1029.4

12-7-3

Fire-testing Furnaces

NA

12-7A-1

Exported from UpCodes

Exterior Wall Siding and Sheathing	
703A.7, 707A.2	
12-7A-2	
Exterior Window	
703A.7, 708A.2.1	
12-7A-3	
Under Eave	
703A.7, 707A.8	
12-7A-4	
Decking	
703A.7, 709A.3	
12-7A-4A	
Decking Alternate Method A	
703A.7, 709A.3	
12-7A-5	
Ignition Resistant Building Material	
703A.7, 709A.3	
12-8-100	
Room Fire Tests for Wall and Ceiling Materials	
NA	
12-10-1	
Power Operated Exit Doors	
NA	
12-10-2	
Single Point Latching or Locking Devices	
NA	
12-10-3	
Emergency Exit and Panic Hardware	
NA	

(The Office of the State Fire Marshal standards referred to above are found in the California Code of Regulations, Title 24, Part 12.)

SJI

SJI 100—15

44th Edition
Standard
Specification

Load Tables and Weight Tables for Steel Joists and Joist Girders K-Series, LH-Series, DHL-Series, Joist Girders

Steel Joist Institute
234 W. Cheves Stree
Florence, SC 29501

Exported from UpCodes

1604.3.3, 2203.2, 2207.1

SJI 200—15

Standard Specification for Composite Steel Joists, CJ-Series

1604.3.3, 2203.2, 2207.1

SPRI

Single-Ply Roofing Institute
465 Waverly Oaks Road, Suite 42
Waltham, MA 02452

ANSI/SPRI/FM 4435-ES-1—11

Wind Test Design Standard for Edge Systems Used with Low Slope Roofing Systems

1504.5

ANSI/SPRI RP-4—13

Wind Design Guide for Ballasted Single-ply Roofing Systems

1504.4

ANSI/SPRI VF1—10

External Fire Design Standard for Vegetative Roofs

1505.10

SRCC

Solar Rating & Certification Corporatio
3060 Saturn Street, Suite 100
Brea, CA 92821

ICC 900/SRCC 300—2015

Solar Thermal System Standard

3111.2.1

ICC 901/SRCC 100—2015

Solar Thermal Collector Standard

3111.2.1

TIA

222-H—2016

Structural Standards for Antenna Supporting Structures and Antennas

Telecommunications Industry Associatio
1320 N. Courthouse Road #200
Arlington, VA 22201-3834

1609.1.1, 3108.1, 3108.2

TMS

216—2013

Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies

The Masonry Society
105 South Sunset Street, Suite C
Longmont CO80501

Table 721.1(2), 722.1

Exported from UpCodes

302—2012 Standard Method for Determining the Sound Transmission Class Rating for Masonry Walls 1207.2.1		
402—2016 Building Code for Masonry Structures 1404.6, 1404.6.2, 1404.10, 1604.3.4, 1705.4, 1705.4.1, 1807.1.6.3.2, 1808.9, 2101.2, 2106.1, 2107.1, 2107.2, 2107.3, 2108.1, 2108.2, 2108.3, 2109.1, 2109.1.1, 2109.2, 2110.1, 2114.1, 2114.4, *1411.2.1, 2106A.1.1, 2107A.5, 2107A.6, 2115.7, 2115.8, 2107.4, 2107.5, 2107.6, 2105A.3, 2106A.1.1, 2115.9, 2115.10*		
403—2017 Direct Design Handbook for Masonry Structures 2101.2		
404—2016 Standard for the Design of Architectural Cast Stone 2102.2		
504—2016 Standard for the Fabrication of Architectural Cast Stone 2103.1		
602—2016 Specification for Masonry Structures 1404.6.1, 1705.4, 1705A.4, 1807.1.6.3, 2103.1, 2103.2.1, 2103.3, 2103A.3.1, 2103.4, 2104.1, *2104A.1.3.1.1, 2105A.1.3.1.2, 2104A.1.3.1.1, 2104A.1.3.1.2.1,* 2105.1, *2105.3, 2105A.3, 2105.5, 2105A.5, 2105A.6, 2105.6, 2106.6*		
604—2016 Standard for the Installation of Architectural Cast Stone 2104.1		
TPI	TPI 1—2014 National Design Standard for Metal-plate-connected Wood Truss Construction 2303.4.6, 2306.1	Truss Plate Institute 218 N. Lee Street, Suite 31 Alexandria, VA 22314
UBC	*UBC* *Standard 15-2*	*International Code Council, Inc.* *500 New Jersey Avenue, NW 6th Floo* *Washington, DC 20001*

Exported from UpCodes

Test Standard for Determining the Fire Retardancy of Roof-Covering Materials *1505.6*		
UBC Standard 15-3 *Wood Shakes* *1505.6*		
UBC Standard 15-4 *Wood Shingles* *1505.6*		
UL	9—2009 Fire Tests of Window Assemblies—with Revisions through February 2015 Table 716.1(1), 716.1.1, 716.1.2.2.2, 716.2.1.3, 716.3.1.1, 716.3.1.2, 716.3.2.1.3, 716.3.4, 1013.5	UL LLC 333 Pfingsten Road Northbrook IL60062-209
10A—2009 Tin Clad Fire Doors—with Revisions through December 2013 716.2.1		
10B—2008 Fire Tests of Door Assemblies—with Revisions through February 2015 Table 716.1(1), 716.1.1, 716.1.2.2.1, 716.2.1.2, 716.2.2.2, 716.2.2.3.1, 716.2.5.1.1		
10C—2009 Positive Pressure Fire Tests of Door Assemblies—with Revisions through February 2015 Table 716.1(1), 716.1.1, 716.1.2.2.1, 716.2.1.1, 716.2.2.1, 716.2.2.2, 716.2.2.3.1, 716.2.5.1.1, 1010.1.10.1		
13—96 *Power-limited Circuit Cables*		
14B—2008 Sliding Hardware for Standard Horizontally Mounted Tin Clad Fire Doors—with Revisions through May 2013 716.2.1		
14C—06 Swinging Hardware for Standard Tin Clad Fire Doors Mounted Singly and in Pairs—with Revisions through May 2013 716.2.1		

Exported from UpCodes

38—99	*Manually Actuated Signaling Boxes—with Revisions through February 2, 2005, as amended.**	
	Amend Section 14.1.5 as follows:** **14.1.5** A signaling box having a glass panel, disc, rod or similar part that must be broken to operate it for a signal or for access to its actuating means shall satisfactorily complete five part-breaking operations using the means provided with the box, without jamming of the mechanism or other interference by broken particles. It shall be practicable to remove and replace the broken parts. A signaling box shall not have a glass panel, disc, rod or similar part requiring a striking action by grasping a tool to operate it for a signal. The force required to activate controls shall be no greater than 5 pounds (22 N) of force. ***Add Appendix B chapter to UL 38 (1999) as follows:** ***Appendix B, ***14.1.5 Operation**. Controls and operating mechanisms shall be operable with one hand and shall not require tight grasping, pinching or twisting of the wrist.*	

55A—04	Materials for Built-up Roof Coverings	1507.10.2
103—2010	Factory-built Chimneys, for Residential Type and Building Heating Appliances—with Revisions through July 2012	718.2.5.1
127—2011	Factory-built Fireplaces—with Revisions through May 2015	718.2.5.1, 2111.12
193—04	*Alarm Valves for Fire-Protection Service*	
199—95	*Automatic Sprinklers for Fire Protection Service—with Revisions through August 19, 2005*	
199E—04	Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers	904.12.4.1
217—06	Single and Multiple Station Smoke Alarms—with Revisions through October 2015	907.2.10
228—97		

Exported from UpCodes

Door Closers/Holders, with or without Integral Smoke Detectors—with Revisions through January 26, 2006	
260—04	
Dry Pipe and Deluge Valves for Fire Protection Service	
262—04	
Gate Valves for Fire Protection Service	
263—11	
Fire Tests of Building Construction and Materials—with Revisions through June 2015	703.2, 703.2.1, 703.2.3, 703.2.5, 703.3, 703.4, 703.6, 704.12, 705.7, 705.8.5, 707.6, 712.1.13.2, 714.4.1, 714.5.1, 715.1, Table 716.1(1), Table 716.1(3), 716.1.2.3, 716.2.5.1.1, 716.2.5.4, 716.3.2.1.1, 717.3.1, 717.5.2, 717.5.3, 717.6.1, 717.6.2, Table 721.1(1), 2103.1, 2603.5.1
268—09	
Smoke Detectors for Fire Alarm Systems	407.9, 907.2.6.2, 907.2.10.7
268A—09	
Smoke Detectors for Duct Application—with Revisions through October 22, 2003	
294—1999	
Access Control System Units—with Revisions through February 2015	1010.1.9.7, 1010.1.9.8.1, 1010.1.9.9, 1010.1.9.10
300—05(R2010)	
Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment—with Revisions through December 2014	904.12
300A—06	
Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces	904.13.1.1
305—2012	
Panic Hardware—with Revisions through August 2014	1010.1.10.1
312—04	

Exported from UpCodes

Check Valves for Fire-Protection Service	
325—02 Door, Drapery, Gate, Louver and Window Operations and Systems—with Revisions through May 2015	406.2.1, 3110.3
346—05 *Waterflow Indicators for Fire Protective Signaling Systems*	
464—03 *Audible Signal Appliances—with Revisions through October 10, 2003*	
497B—04 *Protectors for Data Communication and Fire Alarm Circuits*	
521—99 *Heat Detectors for Fire Protective Signaling Systems—with Revisions through July 20, 2005*	
539—00 *Single- and Multiple-Station Heat Detectors—with Revisions through August 15, 2005*	
555—2006 Fire Dampers—with Revisions through May 2014	717.3.1
555C—2006 Ceiling Dampers—with Revisions through December 2014	717.3.1
555S—99 Smoke Dampers—with Revisions through February 2014	717.3.1
580—2006 Test for Uplift Resistance of Roof Assemblies—with Revisions through October 2013	1504.3.1, 1504.3.2
632—00	

Exported from UpCodes

Electrically Actuated Transmitters	
641—2010 Type L Low-temperature Venting Systems— with Revisions through June 2013	2113.11.1.4
710B—2011 Recirculating Systems—with Revisions through August 2014	904.12
723—2008 Test for Surface Burning Characteristics of Building Materials—with Revisions through August 2013	202, 402.6.4.4, 406.7.2, 703.5.2, 720.1, 720.4, 803.1.2, 803.5.2, 803.10, 803.11, 803.12, 803.13, 806.7, 1402.5, 1403.12.1, 1406.9, 1406.10.1, 1408.9, 1408.10.1, 1510.6.2, 1510.6.3, 2303.2, 2603.3, 2603.4.1.13, 2603.5.4, 2603.5.5, 2603.7, 2604.2.4, 2606.4, 2612.3, 2614.3, 3105.3
753—04 *Alarm Accessories for Automatic Water* *Supply Valves for Fire Protection Service*	
790—04 Standard Test Methods for Fire Tests of Roof Coverings—with Revisions through July 2014	1505.1, 2603.6, 2610.2, 2610.3
793—08 Automatically Operated Roof Vents for Smoke and Heat—with Revisions through September 2011	910.3.1
813—96 *Commercial Audio Equipment—with* *Revisions through December 7, 1999*	
857—13 *Busways*	*1705A.13.3.1*

Exported from UpCodes

864—03	Control Units and Accessories for Fire Alarm Systems, *as amended**—with Revisions through December 2014	909.12
	***Amend No. 55.1 as follows:** **RETARD-RESET-RESTART PERIOD — MAXIMUM 30 SECONDS** —No alarm obtained from control unit. Maximum permissible time is 30 seconds. ***Amend Section 55.2.2 as follows:** Where an alarm verification feature is provided, the maximum retard-reset-restart period before an alarm signal can be confirmed and indicated at the control unit, including any control unit reset time and the power-up time for the detector to become operational for alarm, shall not exceed 30 seconds. (The balance of the section text is to remain unchanged). ***Add Section 55.2.9 as follows:** Smoke detectors connected to an alarm verification feature shall not be used as releasing devices. **Exception**: Smoke detectors which operate their releasing function immediately upon alarm actuation independent of alarm verification feature. ***Amend Section 89.1.10 as follows:** The existing text of this section is to remain as printed with one editorial amendment as follows: **THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 30 SECONDS.** (The balance of the section text is to remain unchanged).	

924—06 Safety Emergency Lighting and Power Equipment—with Revisions through April 2014	1013.5
1040—96 Fire Test of Insulated Wall Construction—with Revisions through October 2012	1406.10.3, 1408.10.3, 2603.9
1256—02 Fire Test of Roof Deck Construction—with Revisions through July 2013	1508.1, 2603.3, 2603.4.1.5
1479—03 Fire Tests of Penetration Firestops—with Revisions through June 2015	202, 714.4.1.2, 714.4.2, 714.5.1.2, 714.5.4
1482—2011 Solid-fuel Type Room Heaters—with Revisions through August 2015	2112.2, 2112.5

Exported from UpCodes

1703—02 Flat-plate Photovoltaic Modules and Panels— with Revisions through October 2015	1505.9, 1507.17.6, 1507.18.5, 1510.7.2, 3111.3.1
1715—97 Fire Test of Interior Finish Material—with Revisions through January 2013	1406.10.3, 1408.10.3, 2603.9, 2614.4
1741—2010 Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources—with Revisions through January 2015	3111.3.1
1777—2007 Chimney Liners—with Revisions through October 2015	2113.11.1, 2113.19
1784—01 Air Leakage Tests of Door Assemblies—with Revisions through February 2015	405.4.3, 710.5.2.2, 710.5.2.2.1, 716.2.1.4, 716.2.9.1, 716.2.9.3, 3006.3, 3007.6.3, 3008.6.3
1897—12 Uplift Tests for Roof Covering Systems—with Revisions through September 2015	1504.3.1, 1504.3.3, 1507.18.7
1975—06 Fire Tests for Foamed Plastics Used for Decorative Purposes	402.6.2, 402.6.4.5, 424.2
1994—04 Luminous Egress Path Marking Systems— with Revisions through May 2015	411.6, 1008.2.1, 1025.2.1, 1025.2.3, 1025.2.4, 1025.2.5, 1025.4
2034—2017 Single and Multiple station Carbon Monoxide Alarms	915.4.2, 915.4.4
2075—2013 Standard for Gas and Vapor Detectors and Sensors	915.5.1, 915.5.3

Exported from UpCodes

2079—04 Tests for Fire Resistance of Building Joint Systems—with Revisions through August 2015 202, 715.3, 715.6		
2196—2001 Tests for Fire Resistive Cables—with Revisions through March 2012 909.20.6.1, 913.2.2, 2702.3, 3007.8.1, 3008.8.2		
2200—2012 Stationary Engine Generator Assemblies—with Revisions through July 2015 2702.1.1		
2202—2009 Electric Vehicle (EV) Charging System Equipment 406.2.7		
2594—2013 Electric Vehicle Supply Equipment 406.2.7		
2703—2014 Outline of Investigation for Mounting Systems, Mounting Devices, Clamping/Retention Devices and Ground Lugs for Use with Flat-plate Photovoltaic Modules and Panels 1505.9		
ULC		Underwriters Laboratories of Canad 13775 Commerce Parkway Richmond, BC V6V 2V4
CAN/ULC S 102.2—2010 Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings and Miscellaneous Materials and Assemblies —with 2000 Revisions 720.2, 720.3, 720.4		
USC	18 USC Part 1, Ch.40 Importation, Manufacture, Distribution and Storage of Explosive Materials 202	United States Code c/o Superintendent of Document U.S. Government Printing Office 732 North Capitol Street NW Washington, DC 20401
AITC 104—03 Typical Construction Details		

Exported from UpCodes

WCLIB

West Coast Lumber Inspection Burea
P.O. Box 23145
Portland, OR 97281

2306.1

AITC 110—01

Standard Appearance Grades for Structural Glued Laminated Timber

2306.1

AITC 111—05

Recommended Practice for Protection of Structural Glued Laminated Timber During Transit, Storage and Erection

2303.1.3.1

AITC 113—10

Standard for Dimensions of Structural Glued Laminated Timber

2306.1

AITC 119—96

Standard Specifications for Structural Glued Laminated Timber of Hardwood Species

2306.1

AITC 200—09

Manufacturing Quality Control Systems Manual for Structural Glued Laminated Timber

2306.1

AITC 404—05

Standard for Radially Reinforcing Curved Glued Laminated Timber Members to Resist Radial Tension

2303.1.3.1

WDMA

Window and Door Manufacturers Associatio
2025 M Street NW, Suite 800
Washington, DC 20036-3309

AAMA/WDMA/CSA 101/I.S.2/A440—17

Specifications for Windows, Doors and Unit Skylights

1709.5.1, 2405.5

WRI

Wire Reinforcement Institute, In
942 Main Street, Suite 300
Hartford, CT 06103

WRI/CRSI—81

Design of Slab-on-ground Foundations—with 1996 Update

Exported from UpCodes

1808.6.2

Exported from UpCodes