



Tentative Interim Amendment

NFPA 80

Standard for Fire Doors and Other Opening Protectives

2010 Edition

Reference: Chapter 2, Annex D, Annex L

TIA 10-1

(SC 09-8-20/TIA Log #950)

Note: Text of the TIA issued and incorporated into the text of Chapter 2, Annex D, and Annex L therefore no separate publication is necessary.

1. *Revise Chapter 2 to read as follows:*

2.3 Other Publications.

2.3.1 ASME Publications. American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990.

~~ASME A17.1/CSA B44-07, Safety Code for Elevators and Escalators, 2004 including Addenda ASME A17.1a-2005 and ASME A17.1S-2005~~ 2007.

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

~~ASTM A 36, Standard Specification for Carbon Structural Steel, 2005.~~ ASTM A36 / A36M – 08.

~~ASTM D 4157, Standard Test Method for Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method), 2002.~~ 2007.

~~ASTM D 5034, Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test), 2001.~~ 2008.

~~ASTM D 6193, Standard Practice for Stitches and Seams, 1997 (2004).~~

2.3.3 CSA Publications. ~~Canadian Standards Association, 500 Spectrum Way, Suite 100, Mississauga, ON L4W 5N6, Canada.~~

~~CSA B44, Safety Code for Elevators, 2004.~~

2.3.43 BHMA Publications. Builders Hardware Manufacturers Association, 335 Lexington Avenue, 17th Floor, New York, NY 10017.

~~ANSI/BHMA A156.1, Standard for Butts and Hinges, 2000~~ 2006.

ANSI/BHMA A156.4, *Standard for Door Controls (Closers)*, 2000.

ANSI/BHMA A156.17, *Standard for Self Closing Hinges & Pivots*, 2004.

2.3.54 GSA Publications. U.S. General Services Administration, 1800 F Street, N.W., Washington, DC 20405.

Federal Specification A-A-1923A, *Shield Expansion (Lag, Machine and Externally Threaded Wedge)*, 1995.

Federal Specification A-A-1924A, *Shield, Expansion (Self Drilling Tubular Expansion Shell Bolt)*, 1995.

Federal Specification A-A-55614, *Shield, Expansion (Non-Drilling Expansion Anchors)*, 1995.

2.3.65 SMACNA Publications. Sheet Metal and Air Conditioning Contractors' National Association, 4201 Lafayette Center Drive, Chantilly, VA 20151-1209.

Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems, 2002.

2.3.76 UL Publications. Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 6062-2096.

UL 9, *Standard for Fire Tests of Window Assemblies*, 2000.

UL 10A, *Standard for Tin-Clad Fire Doors*, 1998.

UL 14C, *Swing Hardware for Tin-Clad Doors Mounted Singly and in Pairs*, ~~1999~~ 2006.

UL 33, *Standard for Heat Responsive Links for Fire-Protection Services*, 2003.

UL 555, *Standard for Fire Dampers*, ~~1996~~ 2006.

2. Revise D.2 and D.10 as follows.

D.2 The hourly designation indicates the duration of the fire test exposure and is known as the fire protection rating. Fire protection ratings of fire doors meeting this standard should be as determined and reported by a testing agency in accordance with NFPA 252, *Standard Methods of Fire Tests of Door Assemblies*. (See ~~ASTM E 2074, Standard Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side-Hinged and Pivoted Swinging Door Assemblies~~; UL 10B, *Standard for Safety Fire Tests of Door Assemblies*; UL 10C, *Standard for Positive Pressure Fire Tests of Door Assemblies*; and CAN4-S104-M80, *Standard Method for Fire Test of Door Assemblies*.)

D.10 The hourly designation indicates the duration of the fire test exposure and is known as the fire protection rating. Fire protection ratings of windows meeting this standard should be as determined and reported by a testing agency in accordance with NFPA 257, *Standard on Fire Test for Window and Glass Block Assemblies*. (See ~~ASTM E 2010, Standard Test Method for Positive Pressure Fire Tests of Window Assemblies~~; UL 9, *Standard for Safety Fire Tests of Window Assemblies*; and CAN4-S106-M80, *Standard Method for Fire Test of Window and Glass Block Assemblies*.)

3. Revise Annex L to read as follows:

L.1 Referenced Publications. The documents or portions thereof listed in this annex are referenced within the informational sections of this standard and are not part of the requirements of this document unless also listed in Chapter 2 for other reasons.

L.1.1 NFPA Publications. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 72®, *National Fire Alarm and Signaling Code*, ~~2007~~ 2010 edition.

NFPA 80A, *Recommended Practice for Protection of Buildings from Exterior Fire Exposures*, 2007 edition.

NFPA 82, *Standard on Incinerators and Waste and Linen Handling Systems and Equipment*, ~~2004~~ 2009 edition.

NFPA 101®, *Life Safety Code*®, ~~2006~~ 2009 edition.

NFPA 105, *Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives*, ~~2007-2010~~ edition.

NFPA 232, *Standard for the Protection of Records*, 2007 edition.

NFPA 251, *Standard Methods of Tests of Fire Resistance of Building Construction and Materials*, 2006 edition.

NFPA 252, *Standard Methods of Fire Tests of Door Assemblies*, ~~2003~~ 2008 edition.

NFPA 257, *Standard on Fire Test for Window and Glass Block Assemblies*, 2007 edition.

NFPA 288, *Standard Methods of Fire Tests of Floor Fire Door Assemblies Installed Horizontally in Fire Resistance-Rated Floor Systems*, 2007 edition.

~~*Fire Protection Handbook*, 19th, 2002, Section 12, Chap 5, “Confinement of Fire in Buildings,” pp. 12-103 to 12-108, “Protection of Openings.”~~

Fire Protection Handbook, 20th, 2008, Section 18, Chap 1, “Confinement of Fire in Buildings,” pp. 18-15 to 18-121, “Protection of Openings.”

SFPE Handbook of Fire Protection Engineering, 3rd 4th edition, ~~2002~~ 2008.

L.1.2 Other Publications.

L.1.2.1 AMCA Publications. Air Movement & Control Association International, Inc., 30 W. University Drive, Arlington Heights, IL 60004.

AMCA 503, *Fire, Ceiling (Radiation), Smoke and Fire/Smoke Dampers Application Manual*, ~~2003~~ 2008.

L.1.2.2 ASME Publications. American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990.

ASME A17.1/CSA B44, *Safety Code for Elevators and Escalators*, 2007.

ASME A17.1/CSA B44, *Handbook on Safety Code for Elevators and Escalators*, ~~2004~~ 2007.

L.1.2.3 ASTM Publications. ASTM International, 100 Barr Harbor Drive, P. O. Box C700, West Conshohocken, PA 19428-2959.

ASTM D 5034, *Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)*, 2001.

ASTM E 90, *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements*, ~~2002~~ 2004.

ASTM E 413, *Classification for Rating Sound Insulation*, 2004.

~~ASTM E 2010, *Standard Test Method for Positive Pressure Fire Tests of Window Assemblies*, 2001.~~

~~ASTM E 2074, *Standard Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side Hinged and Pivoted Swinging Door Assemblies*, 2000e1.~~

~~L.1.2.4 CSA Publications.~~ ~~Canadian Standards Association, 500 Spectrum Way, Suite 100, Mississauga, ON L4W 5N6.~~

~~CSA B44, *Safety Code for Elevators*, 2004.~~

L.1.2.54 ISO Publications. International Organization for Standardization, 1, rue de Varembé, Case postale 56, CH-1211 Geneve 20, Switzerland.

ISO 3009, *Fire Resistance Tests — Glazed Elements*, 1976/Amd 1:1984.

L.1.2.65 NAAMM/HMMA Publications. National Association of Architectural Metal Manufacturers/Hollow Metal Manufacturers Association, 8 South Michigan Avenue, Suite 1000, Chicago, IL 60603.

NAAMM/HMMA-862, *Guide Specifications for Commercial Security Hollow Metal Doors and Frames*, 2003.

NAAMM/HMMA-863, *Guide Specifications for Detention Security Hollow Metal Doors and Frames*, 5th ed., 2005.

NAAMM/HMMA-866, *Guide Specifications for Stainless Steel Hollow Metal Doors and Frames*, 2001.

L.1.2.76 SMACNA Publications. Sheet Metal and Air Conditioning Contractors' National Association, 4201 Lafayette Center Drive, Chantilly, VA 20151-1209.

Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems, 2002.

L.1.2.87 UL Publications. Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 9, *Standard for Safety Fire Tests of Window Assemblies*, 2000.

UL 10B, *Standard for Safety Fire Tests of Door Assemblies*, ~~1997~~ 2008.

UL 10C, *Standard for Positive Pressure Fire Tests of Door Assemblies*, 1998.

UL 752, *Standard for Safety Bullet-Resisting Equipment*, 2005.

Fire Resistance Directory, ~~2005~~ 2008.

L.1.2.98 ULC Publications. Underwriters' Laboratories of Canada, 7 Underwriters Road, Toronto, Ontario M1R 3B4, Canada.

CAN4-S104-M80, *Standard Method for Fire Test of Door Assemblies*, 1988.

CAN4-S106-M80, *Standard Method for Fire Test of Window and Glass Block Assemblies*, 1980.

L.1.2.109 U.S. Government Publication. U.S. Government Printing Office, Washington, DC 20402.

Title 16, Code of Federal Regulations, Part 1201, “Standard for Architectural Glazing,” January 6, 1977.

L.1.2.110 Additional Publications.

Law, Margaret, “Heat Radiation from Fires and Building Separation,” Fire Research Technical Paper No. 5, London, 1963.

Law, Margaret, “Safe Distances from Wired Glass Screening a Fire,” *Institution of Fire Engineers Quarterly*, London, 1969.

Nelson, Harold E., “Radiant Energy Transfer in Fire Protection Engineering Problem Solving,” *Fire Technology*, Vol. 4, No. 3, August 1968, pp. 196–205.

L.2 Informational References. The following documents or portions thereof are listed here as informational resources only. They are not a part of the requirements of this document.

L.2.1 NFPA Publications. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 82, *Standard on Incinerators and Waste and Linen Handling Systems and Equipment*, ~~2004~~ 2009 edition.

NFPA 232, *Standard for the Protection of Records*, 2007 edition.

L.2.2 ANSI Publications. American National Standards Institute, 25 West 43rd Street, 4th floor, New York, NY 10036.

ANSI A133.1, *Tin-Clad Fire Doors Mounted Singly and in Pairs*, 1993.

ANSI Z97.1, *Safety Performance Specifications and Methods of Test for Safety Glazing Materials Used in Buildings*, 2004.

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(Note: For further information on NFPA Codes and Standards, please see www.nfpa.org/codelist)