



Department of Commerce

Division of Industrial Compliance

John R. Kasich, Governor
Jacqueline T. Williams, Director

The Ohio Board of Building Standards

May 30, 2017

RE: TRI-ANNUAL RENEWAL NOTICE of Conformity Assessment Bodies, Accreditation Bodies and Industry Trade Association Certification Programs listed by the Ohio Board of Building Standards (Board).

This notification is a reminder that the tri-annual update of your company listing on the Board's lists of conformity assessment bodies is due by July 1, 2017.

Application forms and listings are found in the Codes tab under the Recognized Conformity Assessment Bodies section and may be accessed on the Board's website located at <http://com.ohio.gov/dico/bbs/default.aspx>

The following are direct links to the applications:

http://com.ohio.gov/documents/dico_210.pdf or

http://com.ohio.gov/documents/dico_AppforAccreditationBodyRecognitionandcriteria.pdf

Please note, the application includes the Ohio Administrative Code section 4101:7-6-01 (Criteria for Board Recognition of Accreditation Bodies, Conformity Assessment Bodies, and Industry Trade Association Certification Programs) for reference. It also includes the referenced standards chapters from the Ohio building codes to assist you in filling out section two of the application. These do not need to be submitted as part of your application for renewal to the Board.

After July 31, 2017, only those bodies who have renewed will be listed by the Board as having complied with the recognition criteria needed for the submission of reports submitted for code compliance to a building official in Ohio for project approval.

Please verify your accreditations against the Board's current list(s) posted on their website. Also identify on the renewal application any accreditation changes from your initial application so that the Board may recognize the new or changed accreditation status for their updated lists.

If you have any questions or concerns regarding this matter, please contact the Board. Thank you.

Robert Johnson

Assistant Architect Administrator-Ohio Board of Building Standards

APPLICATION

FOR

Recognition for Conformity Assessment Bodies



Board of Building Standards

6606 Tussing Road, P.O. Box 4009

Reynoldsburg, Ohio 43068-9009

(614) 644-2613 Fax: (614) 644-3147

dic.bbs@com.state.oh.us

<http://www.com.state.oh.us/dico/bbs/default.aspx>

Conformity Assessment Bodies are recognized by the Ohio Board of Building Standards pursuant to sections 3781.10(F), 3781.11(A) and 3781.12 of the Revised Code and Administrative Code 4101:1-01, Section 114 of the Ohio Building Code and Residential Code of Ohio.

New Application. (Please check one)

Renewal Application (Please note differences from initial Application.)

1. APPLICANT:

Company: _____
(Organization / Company Name)

Contact : _____

Address: _____
(Include Room Number, Suite, etc.)

City: _____ Zip: _____

State/Province: _____

Telephone: _____ Fax: _____

Website: _____
(Web Search Address)

E-mail Address: _____

2. INFORMATION:

Parent of Affiliate Organization: _____

Address: _____

City: _____ State/Province: _____ Zip: _____

Location of Facilities For Which Recognition is Requested (only one address per application):

Address: _____

City: _____ State/Province: _____ Zip: _____

Name and Title of Contact Person*: _____

Phone Number: _____ Fax Number: _____

***Note: The person above is responsible for coordinating agency participation in recognition program.**

List all tests and standards applicable to the construction codes (i.e. OBC, OMC, OPC, etc.; attach additional sheet if needed).

3. QUALIFICATIONS: (ACCREDITATION MUST BE SECURED FROM A BOARD RECOGNIZED ACCREDITATION BODY)

Accreditation body name:

Certificate Number:

(Attach accreditation certificate and scope of accreditation letter)

4. AGENCY INDEPENDENCE:	YES	NO
Is your agency owned, operated, or controlled by any producer, supplier, or vendor?		
Does your agency have any managerial affiliations with any producer, supplier, or vendor?		
Does your agency have any stock options or securities investments in the product lines being tested or inspected?		
Is the employment security of personnel free of influence from any producer, supplier, or vendor?		
Does your organization publish a list test and standards found in the building codes referenced standards regularly? What is the Web Address for the list? _____		

5. BODY RECOGNITION TYPE: (Check applicable type and list applicable accreditation criteria below)		
TYPE	Check below	Please list applicable accreditation criteria (ANS /ISO / IEC 17025; ISO / IEC 17020 etc)
Testing Laboratories:		
Product Certification Bodies: Includes Evaluation Services (ES) and Listing Agencies (LA). Indicate type in check box.		
Inspection Bodies:		
Field Evaluation Bodies:		
Fabricator Inspection Programs/Agencies:		
Special Inspection Agencies:		
Calibration Laboratories:		
Other:		

6. CERTIFICATION

I, the undersigned, representing the agency in this application, affirm that the information given in this application is accurate and complete.

Applicant's Signature and Title

Date

Subscribed and duly sworn before me according to law, by the above named applicant this _____ day
of _____ in the year _____ at _____,
County of _____ and State of _____.

SEAL

Notary Public: _____

Commission Expires: _____

7. FEE: There is no fee associated with this application for recognition.

All applications are subject to review and recognition by the Ohio Board of Building Standards.

4101:1-1-01 Administration.

**Section 114
Products and materials**

114.1 General. Any material, product, assembly or method of construction used in a building or structure shall be approved by the building official. The provisions of this section describe the product approval process intended by the board of building standards in accordance with Section 3781.10 (C) of the Revised Code.

114.2 Definitions. The following words and terms shall, for the purposes of this section, have the meanings shown herein:

Accreditation. The formal recognition of a conformity assessment body's adherence and operation under a documented quality system whereby a third party (Accreditation Body) attests to technical competence and the specific scope of accreditation of the conformity assessment body .

Accreditation body. An authoritative body that is an established, independent, internationally recognized, third-party organization that performs accreditation to ascribe initial recognition and monitors, on an cyclical basis, the competency, integrity, and performance of conformity assessment bodies in accordance with established standards.

Assembly. A preassembled grouping of materials, products and/or components designed to act as a whole. This does not include industrialized units regulated by section 113.

Calibration laboratory. An established, independent, nationally recognized and accredited, third-party organization that regularly provides calibration services such as, but not limited to, tolerance testing to ensure the accuracy of measuring equipment used in construction.

Conformity assessment body. A body that performs conformity assessment services and can be an object of accreditation, such as a testing laboratory, inspection body, product certification body.

Evaluation service. An established, independent, nationally recognized and accredited, third-party conformity assessment body that is accredited as a product certification body and performs technical evaluations of building materials, products, and methods of construction where code requirements are not clear or the innovative products do not have national consensus standards. The evaluation of the product results in the issuance of a research report establishing the code compliance and conditions of its use based upon multiple sources of information including test reports, test data, performance data, or acceptance criteria, and can be approved for installation by the building official in accordance with the rules of the board.

Fabricator inspection agency. An established, independent, nationally recognized and accredited, third-party conformity assessment body regularly engaged in fabrication of construction materials and methods of construction.

Field evaluation body. An established, independent, nationally recognized and accredited, third-party conformity assessment body regularly engaged in furnishing field inspection, observation, testing, or reporting services for construction materials, products, and methods of construction.

Industry trade association certification program. A certification program operated by an established and nationally recognized organization, founded and funded by businesses that operate in a specific industry, where the main focus is to monitor quality assurance among associated members.

Insignia. A mark or label prescribed in accordance with board procedures.

Inspection body. An established, independent, nationally recognized and accredited, third-party conformity assessment body regularly engaged in furnishing inspection, observation, testing, or reporting services for construction materials, products, and methods of construction. Such services include, but are not limited to geotechnical inspections, environmental inspections, mechanical and metallurgical analysis, non-destructive testing and evaluation, chemical analysis, and structural and product testing.

Listing agency. An established, independent, nationally recognized and accredited, third-party conformity assessment body that is accredited as a product certification body and conducts tests on materials, products, or methods of construction to certify products that meet the criteria for compliance with nationally recognized codes and standards. The product certification body allows its insignia of conformity to be placed on a material or product by the manufacturer, identifying that the material or product has been certified by the product certification body. The product certification body maintains a list or directory of all of the materials and products that they have certified and the conditions of their use.

Material. A manufactured form or substance designed to act as a whole.

Method of construction. A procedure or system intended to result in a finished building, structure or portion thereof.

Product. A material or device designed and manufactured to perform a predetermined function. Appliances, assemblies and equipment are also considered products.

Product certification body. An established, independent, nationally recognized and accredited, third-party conformity assessment body regularly engaged in conducting evaluation services, inspections and tests on materials and products to certify compliance with nationally recognized codes and standards. Product Certification Bodies are sub-classified as either Evaluation Services or Listing Agencies.

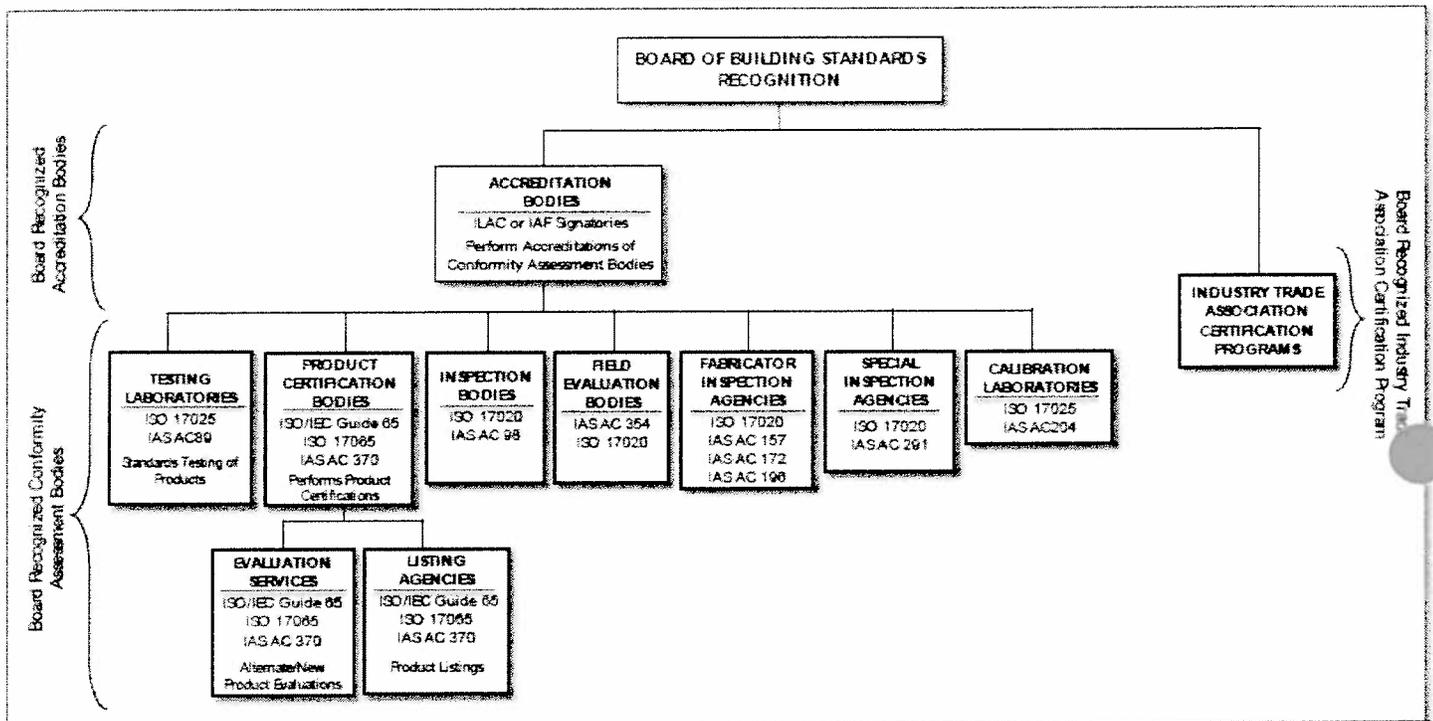
Recognition. An acceptance by the board of building standards of an accreditation body, a conformity assessment body, or an industry trade association certification program in accordance with the rules of the board of building standards.

Special inspection agency. An established, independent, nationally recognized and accredited, third-party conformity assessment body regularly engaged in performing special inspections as required by Chapter 17.

Testing laboratory. An established, independent, nationally recognized and accredited, third-party conformity assessment body

regularly engaged in conducting tests of materials, products, or methods of construction to determine compliance with a specification or testing standard. The testing laboratory issues a report documenting the test results.

Figure 114.2
ORGANIZATION OF BOARD RECOGNIZED BODIES AND CERTIFICATION PROGRAMS



ILAC – International Laboratory Accreditation Cooperation
IAF – International Accreditation Forum
ISO – International Organization for Standardization
IAS – International Accreditation Service
IEC – International Electrotechnical Commission

114.3 Building official approval process. The building official shall approve the use of products in accordance with Sections 114.3.1 through 114.3.3.

114.3.1 Materials, products, assemblies and methods of construction prescribed in the code.

114.3.1.1 Testing laboratories. When test reports are required to be submitted or when the rules of the Board require materials, products,

assemblies and methods of construction to conform to specific referenced standards, the building official shall verify that the proposed material, product, assembly, and method of construction has been tested by a testing laboratory recognized by the board and published on the list titled "Recognized Conformity Assessment Bodies" found on the board's website at <http://www.com.ohio.gov/dico/bbs>.

The building official shall verify that the testing laboratory is accredited to perform the specific tests prescribed in the code by verifying the testing laboratory's "scope of accreditation" found on the testing laboratory's website.

Exceptions:

1. Acceptance, performance, and operational testing reports submitted in accordance with Section 108.8 are permitted to be prepared and submitted by the individual performing the acceptance, performance, and operational tests. Board recognition is not required for persons conducting acceptance, performance, or operational tests.
2. Special inspection reports submitted in accordance with Section 1704.1.2 are permitted to be prepared and submitted by the special inspector defined in Section 1702.1 and qualified in accordance with Section 1704.1. Board recognition is not required for all special inspectors.

114.3.1.2 Listing agencies. When the rules of the Board require materials, products, assemblies and methods of construction to be marked or listed and labeled in accordance with a specific referenced standard, the building official shall verify that the proposed material, product, assembly, and method of construction has been listed and labeled by a listing agency recognized by the board and published on the list titled "Recognized Conformity Assessment Bodies" found on the board's website at <http://www.com.ohio.gov/dico/bbs>.

Building officials are authorized to approve listed and labeled materials, products, assemblies and methods of construction after verifying all of the following additional information:

1. The product is listed on the product certification body's website

directory.

2. The listing is current.
3. The product is proposed to be installed/used in accordance with the listing.
4. When used as an assembly, the assembly is proposed to be installed/used in compliance with this code.
5. The extent of the listing does not include in its scope, elements of design, construction or installation otherwise in conflict with the provisions of this code such as fire-resistance and structural design.

114.3.2 Alternative materials, products, assemblies and methods of construction not prescribed in the code. The provisions of this code are not intended to prevent the installation of any material or to prohibit any material, product, assembly or method of construction not specifically prescribed by this code, provided that any such alternative shall have a valid research report or listing from an evaluation service recognized by the board and published on a list titled "Recognized Conformity Assessment Bodies" found on the board's website at <http://www.com.ohio.gov/dico/bbs>.

The alternative material, product, assembly, or method of construction shall be deemed to be approved provided it complies with the conditions listed in the research report or listing found on the evaluation service's website.

Exceptions:

1. Alternative materials, products, assemblies, or methods of construction submitted pursuant to section 106.5.
2. Industrialized units shall be approved and constructed in accordance with section 113.1 of this chapter.

114.3.3 Used materials and products. The use of used materials and products which meet the requirements of this code for new materials and products is permitted. Used products and materials shall not be reused unless approved by the building official.

114.4 Process for board-recognition of "Accreditation Bodies," "Conformity

Assessment Bodies,” and “Industry Trade Association Certification Programs.” All accreditation bodies, conformity assessment bodies, and industry trade association certification programs shall be recognized by the board in accordance with division 4101:7 of the Administrative Code.

4101:7-6-01 Criteria for Board recognition of Accreditation Bodies, Conformity Assessment Bodies and Industry Trade Association certification programs.

As authorized by paragraph (C) of Section 3781.10 of the Revised Code and as prescribed in Section 114 of rules 4101:1-1-01 and 4101:8-1-01 of the Administrative Code, the board of building standards has adopted rules for the recognition of accreditation bodies, conformity assessment bodies, and industry trade association certification programs as specified in paragraphs (A) through (C) of this rule.

(A) **General.** Each specific board-recognized body shall comply with the following:

- (1) **Initial application for recognition.** Any accreditation body, conformity assessment body, or industry trade association certification program shall apply to the board, on board prescribed forms, to become recognized.
- (2) **Maintaining recognition.** Each recognized accreditation body, conformity assessment body, and industry trade association certification program shall renew with the board every three years to verify and ensure that their contact information, accreditation status, and scope of services are current and published on their website.
- (3) **Fee.** A fee is not required to make initial application or maintain recognition by the board.

(B) **Board to maintain list of Recognized Bodies.** A list of board recognized accreditation bodies, conformity assessment bodies, and industry trade association certification programs are located on the board's website at <http://www.com.ohio.gov/dico/BBS.aspx> and labeled as "Recognized Accreditation Bodies", "Recognized Conformity Assessment Bodies", and "Recognized Industry Trade Association Certification Programs".

(C) **Criteria for Recognition.** Each specific board-recognized body shall be categorized by type as defined in Section 114 of rules 4101:1-1-01 and 4101:8-1-01 of the Administrative Code and shall meet the prescribed requirements for recognition in accordance with paragraphs (C)(1), (C)(2), and (C)(3) of this rule.

Board-recognition of accreditation bodies, conformity assessment bodies, and industry trade association certification programs that test, evaluate, inspect, or certify products shall be limited to those products within the scope of the Ohio building codes.

- (1) **Accreditation Body.** Recognition shall be based upon the following requirements:
 - (a) Recognized accreditation bodies shall be independent and their personnel

shall be free from all conflicts of interest relative to the bodies being evaluated and accredited.

- (b) Recognized accreditation bodies shall be a signatory to an international cooperation or an international mutual recognition arrangement of accreditation bodies that perform peer reviews to ensure the competence of the accreditation bodies.
 - (c) Recognized accreditation bodies cannot self-certify.
 - (d) Recognized accreditation bodies shall maintain conformity with the current version of ISO/IEC 17011 Conformity Assessment – General Requirements for Bodies providing Assessment and Accreditation of Conformity Assessment Bodies and supplementary documents.
 - (e) Recognized accreditation bodies shall ensure that all accredited laboratories comply with appropriate laboratory standards (i.e. ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories).
 - (f) Changes to accreditation bodies' standing shall be reported to the board and also noted on each renewal application. Forms shall be accessed through the board's website.
- (2) **Conformity Assessment Body.** All recognized conformity assessment bodies shall comply with the following general and specific requirements:

(a) **General requirements.**

- (i) Recognized conformity assessment bodies shall be accredited and shall maintain their accreditations from a board recognized accrediting body.
- (ii) Recognized conformity assessment bodies shall be independent and their personnel shall be free from all conflicts of interest relative to the materials, assemblies, or products being tested, inspected, or evaluated.
- (iii) Board recognition shall be limited to those services within the current scope of a conformity assessment body's accreditation.
- (iv) Changes to the accreditation certificate issued by a recognized national accreditation body shall be reported to the board and also shall be noted

on each renewal application. Forms shall be accessed through the board's website.

(b) **Specific requirements.**

(i) **Testing Laboratory.** Recognition shall be based upon the following requirements:

(a) Accreditation shall be based upon compliance with ISO/IEC Guide 17025 for General requirements for the competence of Testing and Calibration Laboratories, or IAS-AC89 Accreditation Criteria for Testing Laboratories.

(b) Board recognition shall be limited to those tests listed in each recognized testing laboratory's current scope of accreditation.

(ii) **Product Certification Body.** Recognition shall be based upon accreditation through compliance with ISO/IEC Guide 65, General Requirements for Bodies Operating Product Certification Systems, ISO/IEC 17065 Conformity Assessment - Requirements for Bodies Certifying Products, Processes and Services, or IAS-AC370 Accreditation Criteria for Product Certification Agencies.

(a) **Product certification body types.** The board will recognize the following two types of product certification bodies.

(i) **Listing Agency.** Recognition shall be based upon the following requirements:

(A) Accreditation shall be based upon compliance with ISO/IEC Guide 65, General Requirements for Bodies Operating Product Certification Systems, ISO/IEC 17065 Conformity Assessment - Requirements for Bodies Certifying Products, Processes and Services, or IAS-AC370 Accreditation Criteria for Product Certification Agencies.

(B) A list or directory of certified products shall be kept current on the approved listing agency website.

- (ii) **Evaluation Services.** Recognition shall be based upon the following requirements:
- (A) Accreditation shall be based upon compliance with ISO/IEC Guide 65, General Requirements for Bodies Operating Product Certification Systems, ISO/IEC 17065 Conformity Assessment - Requirements for Bodies Certifying Products, Processes and Services, or IAS-AC370 Accreditation Criteria for Product Certification Agencies.
 - (B) Board recognized evaluation services cannot self-accredit.
- (iii) **Inspection Body.** Recognition shall be based upon accreditation through compliance with ISO/IEC Guide 17020 General Criteria for the operation of various types of Bodies performing Inspection or IAS-AC98 Accreditation Criteria For Inspection Agencies.
- (iv) **Field Evaluation Bodies.** Recognition shall be based upon accreditation through compliance with ISO/IEC Guide 17020 General Criteria for the operation of various types of Bodies performing Inspection or IAS-AC 354-Accreditation criteria for field evaluation of unlisted electrical equipment.
- (v) **Special Inspection Agencies.** Recognition shall be based upon accreditation through compliance with ISO/IEC Guide 17020 General Criteria for the operation of various types of Bodies performing Inspection or IAS-AC 291 Accreditation criteria for Special Inspection Agencies.
- (vi) **Fabricator Inspection Programs.** Recognition shall be based upon accreditation compliance with ISO/IEC Guide 17020 General Criteria for the operation of various types of Bodies performing Inspection, IAS-AC 157, 172, or 196 Accreditation Criteria for Fabricator Inspection Programs for Special Inspection Agencies.
- (vii) **Calibration Laboratories.** Recognition shall be based upon accreditation based upon compliance with ISO/IEC Guide 17025 for General requirements for the competence of Testing and Calibration Laboratories or IAS-AC 204 Accreditation Criteria for Calibration Laboratories.

- (3) **Industry Trade Association Certification Program.** Recognition shall be based upon the following requirements:
- (a) Industry trade associations having a recognized certification program shall utilize independent third party auditors whose personnel are free from conflicts of interest relative to the materials, assemblies, products or quality management system procedures being audited.
 - (b) Industry trade associations shall submit the description of their certification program which indicates how it operates and how third-party auditing is performed and evaluations are made.
 - (c) Industry trade associations' certification program auditors shall produce a record that provides the means to effectively evaluate compliance and performance to the quality assurance program relative to the elements and requirements of the industry standard.
 - (d) Changes to an industry trade associations' certification program shall be reported to the board and also noted on renewal applications.

CHAPTER 35

REFERENCED STANDARDS

3501.1 General. This chapter lists the standards that are referenced in various sections of the building code. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title. The application of the referenced standards shall be as specified in Section 102.5.

3501.2 Referenced codes. When indicated in this code, the following codes refer to provisions in the listed chapters of the administrative code:

REFERENCED CODE	OHIO ADMINISTRATIVE CODE CHAPTERS
Building Code	4101:1-1 to 4101:1-35
Energy Code	4101:1-13
Fire Code	1301:7-1 to 1301:7-7
Mechanical Code	4101:2-1 to 4101:2-15
Ohio Boiler and Pressure Vessel Rules	4101:4-1 to 4101:4-10
Ohio Elevator Code	4101:5-1 to 4101:5-3
Residential Code of Ohio for One-, Two- and Three-Family Dwellings	4101:8-1 to 4101:8-44
Plumbing Code	4101:3-1 to 4101:3-13

3501.3 Building code referenced standards.

Standard reference number	Title	Referenced in code section number
AA	Aluminum Association 1525 Wilson Boulevard, Suite 600 Arlington, VA 22209	
ADMI—10	Aluminum Design Manual: Part 1-A Specification for Aluminum Structures, Allowable Stress Design; and Part 1-B—Aluminum Structures, Load and Resistance Factor Design	
ASM 35—00	Aluminum Sheet Metal Work in Building Construction (Fourth Edition)	

Standard reference number	Title	Referenced in code section number
AAMA	American Architectural Manufacturers Association 1827 Waldon Office Square, Suite 550 Schaumburg, IL 60173	
1402—09	Standard Specifications for Aluminum Siding, Soffit and Fascia	
AAMA/WDMA/CSA 101/LS.2/A440—08	North American Fenestration Standard/Specifications for Windows, Doors and Skylights	

Standard reference number	Title	Referenced in code section number
ACI	American Concrete Institute 38800 Country Club Drive Farmington Hills, MI 48331	
216.1—07	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies	
318—08	Building Code Requirements for Structural Concrete	
530—08	Building Code Requirements for Masonry Structures	
530.1—08	Specifications for Masonry Structures	

REFERENCED STANDARDS

AF&PA American Forest & Paper Association
1111 19th St, NW Suite 800
Washington, DC 20036

Standard reference number	Title	Referenced in code section number
WCD No. 4—03	Wood Construction Data—Plank and Beam Framing for Residential Buildings	
NDS—05	National Design Specification (NDS) for Wood Construction with 2005 Supplement	
AF&PA—93	Span Tables for Joists and Rafters	
ANSI/AF&PA PWF—07	Permanent Wood Foundation Design Specification	
ANSI/AF&PA SDPWS—08	Special Design Provisions for Wind and Seismic	

AISC American Institute of Steel Construction
One East Wacker Drive, Suite 700
Chicago, IL 60601-18021

Standard reference number	Title	Referenced in code section number
341—05	Seismic Provisions for Structural Steel Buildings, including Supplement No. 1 dated 2005	
360—05	Specification for Structural Steel Buildings	

AISI American Iron and Steel Institute
1140 Connecticut Avenue, 705
Suite 705
Washington, DC 20036

Standard reference number	Title	Referenced in code section number
S100—07	North American Specification for the Design of Cold-formed Steel Structural Members	
S200—08	North American Standard for Cold-formed Steel Framing—General Provisions	
S210—08	North American Standard for Cold-formed Steel Framing—Floor and Roof System Design	
S211—08	North American Standard for Cold-formed Steel Framing—Wall Stud Design	
S212—08	North American Standard for Cold-formed Steel Framing—Header Design	
S213—08	North American Standard for Cold-formed Steel Framing—Lateral Design	
S214—08	North American Standard for Cold-formed Steel Framing—Truss Design, with Supplement 2, dated 2008	

AITC American Institute of Timber Construction
Suite 140
7012 S. Revere Parkway
Englewood, CO 80112

Standard reference number	Title	Referenced in code section number
AITC Technical Note 7—96	Calculation of Fire Resistance of Glued Laminated Timbers	
AITC 104—03	Typical Construction Details	
AITC 110—01	Standard Appearance Grades for Structural Glued Laminated Timber	
AITC 113—01	Standard for Dimensions of Structural Glued Laminated Timber	
AITC 117—04	Standard Specifications for Structural Glued Laminated Timber of Softwood Species	
AITC 119—96	Standard Specifications for Structural Glued Laminated Timber of Hardwood Species	
AITC 200—09	Manufacturing Quality Control Systems Manual for Structural Glued Laminated Timber	
ANSI/AITC A 190.1—07	Structural Glued Laminated Timber	

ALI

Automotive Lift Institute
P.O. Box 85
Courtland, NY 13045

Standard reference number	Title	Referenced in code section number
ALI ALCTV—2007	Standard for Automobile Lifts—Safety Requirements for Construction, Testing and Validation (ANSI)	

ANSI

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

Standard reference number	Title	Referenced in code section number
A13.1—07 (Reaffirmed 2002)	Scheme for the Identification of Piping Systems	
A108.1A—09	Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar	
A108.1B—09	Installation of Ceramic Tile, quarry Tile on a Cured Portland Cement Mortar Setting Bed with Dry-set or Latex-portland Mortar	
A108.4—09	Installation of Ceramic Tile with Organic Adhesives or Water-cleanable Tile-setting Epoxy Adhesive	
A108.5—09	Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex-portland Cement Mortar	
A108.6—09	Installation of Ceramic Tile with Chemical-resistant, Water Cleanable Tile-setting and -grouting Epoxy	
A108.8—09	Installation of Ceramic Tile with Chemical-resistant Furan Resin Mortar and Grout	
A108.9—09	Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout	
A108.10—09	Installation of Grout in Tilework	
A118.1—10.1	American National Standard Specifications for Dry-set Portland Cement Mortar	
A118.3—10.1	American National Standard Specifications for Chemical-resistant, Water Cleanable Tile-setting and -grouting Epoxy and Water Cleanable Tile-setting Epoxy Adhesive	
A118.4—10.1	American National Standard Specifications for Latex-portland Cement Mortar	
A118.5—10.1	American National Standard Specifications for Chemical Resistant Furan Mortar and Grouts for Tile Installation	
A118.6—10.1	American National Standard Specifications for Cement Grouts for Tile Installation	
A118.8—10.1	American National Standard Specifications for Modified Epoxy Emulsion Mortar/Grout	
A136.1—10.1	American National Standard Specifications for Organic Adhesives for Installation of Ceramic Tile	
A137.1—08	American National Standard Specifications for Ceramic Tile	
A208.1—09	Particleboard	
Z 97.1—09	Safety Glazing Materials Used in Buildings—Safety Performance Specifications and Methods of Test	

APA

APA - Engineered Wood Association
7011 South 19th
Tacoma, WA 98466

Standard reference number	Title	Referenced in code section number
APA PDS—08	Panel Design Specification	
APA PDS Supplement 1—90	Design and Fabrication of Plywood Curved Panels (revised 1995)	
APA PDS Supplement 2—92	Design and Fabrication of Plywood-lumber Beams (revised 1998)	
APA PDS Supplement 3—96	Design and Fabrication of Plywood Stressed-skin Panels (revised 1996)	
APA PDS Supplement 4—93	Design and Fabrication of Plywood Sandwich Panels (revised 1993)	
APA PDS Supplement 5—95	Design and Fabrication of All-plywood Beams (revised 1995)	
EWS R540—07	Builders Tips: Proper Storage and Handling of Glulam Beams	
EWS S475—07	Glued Laminated Beam Design Tables	
EWS S560—10	Field Notching and Drilling of Glued Laminated Timber Beams	
EWS T300—07	Glulam Connection Details	
EWS X440—08	Product Guide—Glulam	
EWS X450—01	Glulam in Residential Construction—Western Edition	

REFERENCED STANDARDS

APSP		The Association of Pool & Spa Professionals 2111 Eisenhower Avenue Alexandria, VA 22314
Standard reference number	Title	Referenced in code section number
ANSI/APSP 7—06	Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs and Catch Basins	

ASABE		American Society of Agricultural and Biological Engineers 2950 Niles Road St. Joseph, MI 49085
Standard reference number	Title	Referenced in code section number
EP 484.2—98	Diaphragm Design of Metal-clad, Post-frame Rectangular Buildings	
EP 486.1—99	Shallow-post Foundation Design	
EP 559—03	Design Requirements and Bending Properties for Mechanically Laminated Columns	

ASCE/SEI		American Society of Civil Engineers Structural Engineering Institute 1801 Alexander Bell Drive Reston, VA 20191-4400
Standard reference number	Title	Referenced in code section number
3—91	Structural Design of Composite Slabs	
5—08	Building Code Requirements for Masonry Structures	
6—08	Specification for Masonry Structures	
7—05	Minimum Design Loads for Buildings and Other Structures including Supplements No. 1 and 2, excluding Chapter 14 and Appendix 11A	
8—02	Standard Specification for the Design of Cold-formed Stainless Steel Structural Members	
19—10	Structural Applications of Steel Cables for Buildings	
24—05	Flood Resistant Design and Construction	
29—05	Standard Calculation Methods for Structural Fire Protection	
32—01	Design and Construction of Frost Protected Shallow Foundations	

ASHRAE		American Society of Heating, Refrigerating and Air-conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329-2305
Standard reference number	Title	Referenced in code section number
ASHRAE 90.1—2010	Energy Standard for Buildings Except Low-rise Residential Buildings (as modified in Chapter 13 of this code including Addenda ap, cf, and de applicable to computer rooms and data centers and Addenda dd)	

ASME		American Society of Mechanical Engineers Three Park Avenue New York, NY 10016-5990
Standard reference number	Title	Referenced in code section number
A17.1/CSA B44—2010	Safety Code for Elevators and Escalators	
A18.1—2008	Safety Standard for Platform Lifts and Stairway Chairlifts	
A90.1—2009	Safety Standard for Belt Manlifts	
B16.18—2001 (Reaffirmed 2005)	Cast Copper Alloy Solder Joint Pressure Fittings	
B16.22—2001 (Reaffirmed 2005)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	
B20.1—2009	Safety Standard for Conveyors and Related Equipment	
B31.3—2008	Process Piping	



ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Standard reference number	Title	Referenced in code section number
A 36/A 36M—08	Specification for Carbon Structural Steel	
A 153/A 153M—09	Specification for Zinc Coating (Hot-dip) on Iron and Steel Hardware	
A 240/A 240M—10a	Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications	
A 252—10	Specification for Welded and Seamless Steel Pipe Piles	
A 283/A 283M—03 (2007)	Specification for Low and Intermediate Tensile Strength Carbon Steel Plates	
A 307—07b	Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength	
A 416/A 416M—10	Specification for Steel Strand, Uncoated Seven-wire for Prestressed Concrete	
A 463/A 463M—09a	Standard Specification for Steel Sheet, Aluminum-coated, by the Hot-dip Process	
A 572/A 572M—07	Specification for High-strength Low-alloy Columbium-vanadium Structural Steel	
A 588/A 588M—10	Specification for High-strength Low-alloy Structural Steel with 50 ksi (345 MPa) Minimum Yield Point to 4 inches (100 mm) Thick	
A 615/A 615M—09b	Specification for Deformed and Plain Billet-steel Bars for Concrete Reinforcement	
A 653/A 653M—09a	Specification for Steel Sheet, Zinc-coated Galvanized or Zinc-iron Alloy-coated Galvannealed by the Hot-dip Process	
A 690/A 690M—07	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	
A 706/A 706M—09b	Specification for Low-alloy Steel Deformed and Plain Bars for Concrete Reinforcement	
A 722/A 722M—07	Specification for Uncoated High-strength Steel Bar for Prestressing Concrete	
A 755/A 755M—03 (2008)	Specification for Steel Sheet, Metallic-coated by the Hot-dip Process and Prepared by the Coil-coating Process for Exterior Exposed Building Products	
A 792/A 792M—09a	Specification for Steel Sheet, 55% Aluminum-zinc Alloy-coated by the Hot-dip Process	
A 875/A 875M—09a	Standard Specification for Steel Sheet Zinc-5 percent, Aluminum Alloy-coated by the Hot-dip Process	
A 913/A 913M—07	Specification for High-strength Low-alloy Steel Shapes of Structural Quality, Produced by Quenching and Self-tempering Process (QST)	
A 924/A 924M—10	Standard Specification for General Requirements for Steel Sheet, Metallic-coated by the Hot-dip Process	
A 992/A 992M—06a	Standard Specification for Structural Shapes	
B 42—10	Specification for Seamless Copper Pipe, Standard Sizes	
B 43—09	Specification for Seamless Red Brass Pipe, Standard Sizes	
B 68—02	Specification for Seamless Copper Tube, Bright Annealed (Metric)	
B 88—09	Specification for Seamless Copper Water Tube	
B 101—07	Specification for Lead-coated Copper Sheet and Strip for Building Construction	
B 209—07	Specification for Aluminum and Aluminum Alloy Steel and Plate	
B 251—10	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	
B 280—08	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	
B 370—09	Specification for Cold-rolled Copper Sheet and Strip for Building Construction	
B 695—04 (2009)	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel	
C 5—10	Specification for Quicklime for Structural Purposes	
C 22/C 22M—00 (2005)e01	Specification for Gypsum	
C 27—98 (2008)	Specification for Standard Classification of Fireclay and High-alumina Refractory Brick	
C 28/C 28M—10	Specification for Gypsum Plasters	
C 31/C 31M—10	Practice for Making and Curing Concrete Test Specimens in the Field	
C 33—08	Specification for Concrete Aggregates	
C 34—10	Specification for Structural Clay Load-bearing Wall Tile	
C 35—01 (2009)	Specification for Inorganic Aggregates for Use in Gypsum Plaster	
C 36/C 36M—03	Specification for Gypsum Wallboard	
C 37/C 37M—01	Specification for Gypsum Lath	
C 55—09	Specification for Concrete Building Brick	
C 56—10	Specification for Structural Clay Nonload Bearing Tile	
C 59/C 59M—00 (2006)	Specification for Gypsum Casting and Molding Plaster	
C 61/C 61M—00 (2006)	Specification for Gypsum Keene's Cement	
C 62—10	Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)	
C 67—09	Test Methods of Sampling and Testing Brick and Structural Clay Tile	
C 73—05	Specification for Calcium Silicate Face Brick (Sand-lime Brick)	
C 79—04a	Specification for Treated Core and Nontreated Core Gypsum Sheathing Board	
C 90—09	Specification for Loadbearing Concrete Masonry Units	
C 91—05	Specification for Masonry Cement	

REFERENCED STANDARDS

ASTM—continued

C 94/C 94M—10	Specification for Ready-mixed Concrete
C 126—10	Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick and Solid Masonry Units
C 140—10	Test Method Sampling and Testing Concrete Masonry Units and Related Units
C 150—09	Specification for Portland Cement
C 172—10	Practice for Sampling Freshly Mixed Concrete
C 199—84 (2005)	Test Method for Pier Test for Refractory Mortars
C 206—03 (2009)	Specification for Finishing Hydrated Lime
C 208—08a	Specification for Cellulosic Fiber Insulating Board
C 212—10	Specification for Structural Clay Facing Tile
C 216—10	Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)
C 270—10	Specification for Mortar for Unit Masonry
C 315—07	Specification for Clay Flue Liners and Chimney Pots
C 317/C 317M—00 (2005)	Specification for Gypsum Concrete
C 330—09	Specification for Lightweight Aggregates for Structural Concrete
C 331—05	Specification for Lightweight Aggregates for Concrete Masonry Units
C 406—10	Specification for Roofing Slate
C 442/C 442M—04	Specification for Gypsum Backing Board and Coreboard and Gypsum Shaftliner Board
C 472—99 (2009)	Specification for Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete
C 473—10	Test Method for Physical Testing of Gypsum Panel Products
C 474—05	Test Methods for Joint Treatment Materials for Gypsum Board Construction
C 475—02 (2007)	Specification for Joint Compound and Joint Tape for Finishing Gypsum Wallboard
C 503—10	Specification for Marble Dimension Stone (Exterior)
C 514—04 (2009)e1	Specification for Nails for the Application of Gypsum Board
C 516—08	Specifications for Vermiculite Loose Fill Thermal Insulation
C 547—07e1	Specification for Mineral Fiber Pipe Insulation
C 549—06	Specification for Perlite Loose Fill Insulation
C 552—07	Standard Specification for Cellular Glass Thermal Insulation
C 557—03 (2009)e01	Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing
C 568—10	Specification for Limestone Dimension Stone
C 578—10	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation
C 587—04 (2009)	Specification for Gypsum Veneer Plaster
C 588/C 588M—01	Specification for Gypsum Base for Veneer Plasters
C 595—10	Specification for Blended Hydraulic Cements
C 615—10	Specification for Granite Dimension Stone
C 616—10	Specification for Quartz Dimension Stone
C 629—10	Specification for Slate Dimension Stone
C 630/C 630M—03	Specification for Water-resistant Gypsum Backing Board
C 631—09	Specification for Bonding Compounds for Interior Gypsum Plastering
C 635/C 636M—08	Specification for the Manufacture, Performance and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
C 636/C 636M—08	Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels
C 645—09a	Specification for Nonstructural Steel Framing Members
C 652—10	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)
C 728—05 (2010)	Standard Specification for Perlite Thermal Insulation Board
C 744—10	Specification for Prefaced Concrete and Calcium Silicate Masonry Units
C 754—09a	Specification for Installation of Steel Framing Members to Receive Screw-attached Gypsum Panel Products
C 836/C 836M—10	Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
C 840—08	Specification for Application and Finishing of Gypsum Board
C 841—03 (2008)e1	Specification for Installation of Interior Lathing and Furring
C 842—05	Specification for Application of Interior Gypsum Plaster
C 843—99 (2006)	Specification for Application of Gypsum Veneer Plaster
C 844—10	Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster
C 847—10a	Specification for Metal Lath
C 887—05 (2010)	Specification for Packaged, Dry Combined Materials for Surface Bonding Mortar
C 897—05 (2009)	Specification for Aggregate for Job-mixed Portland Cement-based Plaster
C 920—10	Standard for Specification for Elastomeric Joint Sealants
C 926—06	Specification for Application of Portland Cement-based Plaster

ASTM—continued

C 931/C 931M—04	Specification for Exterior Gypsum Soffit Board
C 932—06	Specification for Surface-applied Bonding Compounds Agents for Exterior Plastering
C 933—09	Specification for Welded Wire Lath
C 946—10	Specification for Practice for Construction of Dry-stacked, Surface-bonded Walls
C 954—10	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
C 955—09a	Standard Specification for Load-bearing Transverse and Axial Steel Studs, Runners Tracks, and Bracing or Bridging, for Screw Application of Gypsum Panel Products and Metal Plaster Bases
C 956—04 (2010)	Specification for Installation of Cast-in-place Reinforced Gypsum Concrete
C 957—10	Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane with Integral Wearing Surface
C 960—04	Specification for Predecorated Gypsum Board
C 1002—07	Specification for Steel Self-piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs
C 1007—08a	Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories
C 1019—09	Test Method of Sampling and Testing Grout
C 1029—10	Specification for Spray-applied Rigid Cellular Polyurethane Thermal Insulation
C 1032—06	Specification for Woven Wire Plaster Base
C 1047—10a	Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base
C 1063—08	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-based Plaster
C 1088—10	Specification for Thin Veneer Brick Units Made from Clay or Shale
C 1167—03 (2009)	Specification for Clay Roof Tiles
C 1177/C 1177M—08	Specification for Glass Mat Gypsum Substrate for Use as Sheathing
C 1178/C 1178M—08	Specification for Coated Mat Water-resistant Gypsum Backing Panel
C 1186—08	Specification for Flat Nonasbestos Fiber Cement Sheets
C 1261—10	Specification for Firebox Brick for Residential Fireplaces
C 1278/C 1278M—07a	Specification for Fiber-reinforced Gypsum Panels
C 1280—09	Specification for Application of Gypsum Sheathing
C 1283—07a	Practice for Installing Clay Flue Lining
C 1288—99 (2010)	Standard Specification for Discrete Nonasbestos Fiber-cement Interior Substrate Sheets
C 1289—10	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board
C 1314—10	Test Method for Compressive Strength of Masonry Prisms
C 1325—08b	Standard Specification for Nonasbestos Fiber-mat Reinforced Cement Interior Substrate Sheets
C 1328—05	Specification for Plastic (Stucco Cement)
C 1386—07	Specification for Precast Autoclaved Aerated Concrete (AAC) Wall Construction Units
C 1395/C 1395M—06a	Specification for Gypsum Ceiling Board
C 1396—09a	Specification for Gypsum Board
C 1405—10	Standard Specification for Glazed Brick (Single Fired, Solid Brick Units)
C 1492—03 (2009)	Standard Specification for Concrete Roof Tile
C 1629/C 1629M—06	Standard Classification for Abuse-resistant Nondecorated Interior Gypsum Panel Products and Fiber-reinforced Cement Panels
C 1658/C 1658M—06	Standard Specification for Glass Mat Gypsum Panels
D 25—99 (2005)	Specification for Round Timber Piles
D 41—05 (2010)	Specification for Asphalt Primer Used in Roofing, Dampproofing and Waterproofing
D 43—00 (2006)	Specification for Coal Tar Primer Used in Roofing, Dampproofing and Waterproofing
D 56—05	Test Method for Flash Point By Tag Closed Tester
D 86—10a	Test Method for Distillation of Petroleum Products at Atmospheric Pressure
D 93—10	Test Method for Flash Point By Pensky-Martens Closed Cup Tester
D 225—07	Specification for Asphalt Shingles (Organic Felt) Surfaced with Mineral Granules
D 226/D 226M—09	Specification for Asphalt-saturated Organic Felt Used in Roofing and Waterproofing
D 227—03	Specification for Coal-tar-saturated Organic Felt Used in Roofing and Waterproofing
D 312—00 (2006)	Specification for Asphalt Used in Roofing
D 422—63 (2007)	Test Method for Particle-size Analysis of Soils
D 448—08	Standard Classification for Sizes of Aggregate for Road and Bridge Construction
D 450—07	Specification for Coal-tar Pitch Used in Roofing, Dampproofing and Waterproofing
D 635—10	Test Method for Rate of Burning and/or Extent and Time of Burning of Self-supporting Plastics in a Horizontal Position
D 1143/D 1143M—07e1	Test Method for Piles Under Static Axial Compressive Load
D 1227—95 (2007)	Specification for Emulsified Asphalt Used as a Protective Coating for Roofing

REFERENCED STANDARDS

ASTM—continued

D 1557—09	Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort [56,000 ft-lb/ft ³ (2,700 KN m/m ³)]
D 1586—08a	Specification for Penetration Test and Split-barrel Sampling of Soils
D 1761—06	Test Method for Mechanical Fasteners in Wood
D 1863—05	Specification for Mineral Aggregate Used on Built-up Roofs
D 1929—96 (2001)e01	Test Method for Determining Ignition Properties of Plastics
D 1970—09	Specification for Self-adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roof Underlayment for Ice Dam Protection
D 2166—06	Test Method for Unconfined Compressive Strength of Cohesive Soil
D 2178—04	Specification for Asphalt Glass Felt Used in Roofing and Waterproofing
D 2216—10	Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
D 2487—10	Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
D 2626—04	Specification for Asphalt Saturated and Coated Organic Felt Base Sheet Used in Roofing
D 2822—05	Specification for Asphalt Roof Cement
D 2823—05	Specification for Asphalt Roof Coatings
D 2843—10	Test for Density of Smoke from the Burning or Decomposition of Plastics
D 2850—03a (2007)	Test Method for Unconsolidated, Undrained Triaxial Compression Test on Cohesive Soils
D 2898—10	Test Methods for Accelerated Weathering of Fire-retardant-treated Wood for Fire Testing
D 3019—08	Specification for Lap Cement Used with Asphalt Roll Roofing, Nonfibered, Asbestos Fibered and Nonasbestos Fibered
D 3161—09	Test Method for a Wind Resistance of Asphalt Shingles (Fan Induced Method)
D 3200—74 (2005)	Standard Specification and Test Method for Establishing Recommended Design Stresses for Round Timber Construction Poles
D 3201—08ae1	Test Method for Hygroscopic Properties of Fire-retardant-treated Wood and Wood-based Products
D 3278—96 (2004)e01	Test Methods for Flash Point of Liquids by Small Scale Closed-cup Apparatus
D 3462/D 3462M—10a	Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules
D 3468—99 (2006)e01	Specification for Liquid-applied Neoprene and Chlorosulfonated Polyethylene Used in Roofing and Waterproofing
D 3679—09a	Specification for Rigid Poly [Vinyl Chloride (PVC) Siding]
D 3689—07	Method for Testing Individual Piles Under Static Axial Tensile Load
D 3737—09	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)
D 3746—85 (2008)	Test Method for Impact Resistance of Bituminous Roofing Systems
D 3747—79 (2007)	Specification for Emulsified Asphalt Adhesive for Adhering Roof Insulation
D 3909—97b (2004)e01	Specification for Asphalt Roll Roofing (Glass Felt) Surfaced with Mineral Granules
D 3957—09	Standard Practices for Establishing Stress Grades for Structural Members Used in Log Buildings
D 4022—07	Specification for Coal Tar Roof Cement, Asbestos Containing
D 4272—09	Test Method for Total Energy Impact of Plastic Films by Dart Drop
D 4318—10	Test Methods for Liquid Limit, Plastic Limit and Plasticity Index of Soils
D 4434/D 4434 M—09	Specification for Poly (Vinyl Chloride) Sheet Roofing
D 4479—07	Specification for Asphalt Roof Coatings—Asbestos-free
D 4586—07	Specification for Asphalt Roof Cement—Asbestos-free
D 4601—04	Specification for Asphalt-coated Glass Fiber Base Sheet Used in Roofing
D 4637/D 463 M—10	Specification for EPDM Sheet Used in Single-ply Roof Membrane
D 4829—08a	Test Method for Expansion Index of Soils
D 4869—05e01	Specification for Asphalt-saturated (Organic Felt) Underlayment Used in Steep Slope Roofing
D 4897/D 4897 M—01 (2009)	Specification for Asphalt-coated Glass Fiber Venting Base Sheet Used in Roofing
D 4945—08	Test Method for High-strain Dynamic Testing of Piles
D 4990—97a (2005)e01	Specification for Coal Tar Glass Felt Used in Roofing and Waterproofing
D 5019—07a	Specification for Reinforced Nonvulcanized Polymeric Sheet Used in Roofing Membrane
D 5055—10	Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-joists
D 5456—10	Specification for Evaluation of Structural Composite Lumber Products
D 5516—09	Test Method of Evaluating the Flexural Properties of Fire-retardant-treated Softwood Plywood Exposed to the Elevated Temperatures
D 5643—06	Specification for Coal Tar Roof Cement, Asbestos-free
D 5664—10	Test Methods for Evaluating the Effects of Fire-retardant Treatment and Elevated Temperatures on Strength Properties of Fire-retardant-treated Lumber
D 5665—99a (2006)	Specification for Thermoplastic Fabrics Used in Cold-applied Roofing and Waterproofing
D 5726—98 (2005)	Specification for Thermoplastic Fabrics Used in Hot-applied Roofing and Waterproofing
D 6083—05e01	Specification for Liquid Applied Acrylic Coating Used in Roofing
D 6162—00a (2008)	Specification for Styrene-butadiene-styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements

ASTM—continued

D 6163—00 (2008)	Specification for Styrene-butadiene-styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements
D 6164—05e1	Specification for Styrene-butadiene-styrene (SBS) Modified Bituminous Sheet Metal Materials Using Polyester Reinforcements
D 6222—08	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcements
D 6223/D 6223M—02 (2009)e1	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements
D 6298—05e1	Specification for Fiberglass Reinforced Styrene-butadiene-styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface
D 6305—08	Practice for Calculating Bending Strength Design Adjustment Factors for Fire-retardant-treated Plywood Roof Sheathing
D 6380—03 (2009)	Standard Specification for Asphalt Roll Roofing (Organic) Felt
D 6509/D 6509M—09	Standard Specification for Atactic Polypropylene (APP) Modified Bituminous base Sheet Materials Using Glass Fiber Reinforcements
D 6694—08	Standard Specification for Liquid-applied Silicone Coating Used in Spray Polyurethane Foam Roofing
D 6754/D 6754M—10	Standard Specification for Ketone Ethylene Ester Based Sheet Roofing
D 6757—07	Standard Specification for Inorganic Underlayment for Use with Steep Slope Roofing Products
D 6841—08	Standard Practice for Calculating Design Value Treatment Adjustment Factors for Fire-retardant-treated Lumber
D 6878—08e1	Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing
D 6947—07	Standard Specification for Liquid Applied Moisture Cured Polyurethane Coating Used in Spray Polyurethane Foam Roofing System
D 7158—08d	Standard Test Method for Wind Resistance of Sealed Asphalt Shingles (Uplift Force/Uplift Resistance Method)
E 84—10b	Test Methods for Surface Burning Characteristics of Building Materials
E 90—09	Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
E 96/E 96M—05	Test Method for Water Vapor Transmission of Materials
E 108—10a	Test Methods for Fire Tests of Roof Coverings
E 119—10b	Test Methods for Fire Tests of Building Construction and Materials
E 136—09b	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C
E 330—02 (2010)	Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference
E 331—00 (2009)	Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference
E 492—09	Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-ceiling Assemblies Using the Tapping Machine
E 605—93 (2006)	Test Method for Thickness and Density of Sprayed Fire-resistive Material (SFRM) Applied to Structural Members
E 681—09	Test Methods for Concentration Limits of Flammability of Chemical Vapors and Gases
E 736—00 (2006)	Test Method for Cohesion/Adhesion of Sprayed Fire-resistive Materials Applied to Structural Members
E 814—10	Test Method of Fire Tests of Through-penetration Firestops
E 970—10	Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source
E 1300—09a	Practice for Determining Load Resistance of Glass in Buildings
E 1354—10a	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
E 1592—05	Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference
E 1602—03 (2010)e1	Guide for Construction of Solid Fuel-burning Masonry Heaters
E 1886—05	Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missiles and Exposed to Cyclic Pressure Differentials
E 1966—07	Test Method for Fire-resistant Joint Systems
E 1996—09	Specification for Performance of Exterior Windows, Glazed Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
E 2072—10	Standard Specification for Photoluminescent (Phosphorescent) Safety Markings
E 2273—03	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies
E 2307—10	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barrier Systems Using Intermediate-scale, Multistory Test Apparatus
E 2404—10	Standard Practice for Specimen Preparation and Mounting of Textile, Paper or Vinyl Wall or Ceiling Coverings to Assess Surface Burning Characteristics
E 2568—09e1	Standard Specification for PB Exterior Insulation and Finish Systems (EIFS)
E 2570—07	Standard Test Method for Evaluating Water-resistive Barrier (WRB) Coatings Used Under Exterior Insulation and Finish Systems (EIFS) for EIFS with Drainage
E 2573—07a	Standard Practice for Specimen Preparation and Mounting of Site-fabricated Stretch Systems to Assess Surface Burning Characteristics
F 547—06	Terminology of Nails for Use with Wood and Wood-based Materials
F 1346—91 (2003)	Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs

REFERENCED STANDARDS

ASTM—continued

F 1667—10	Specification for Driven Fasteners: Nails, Spikes and Staples
F 2006—10	Standard/Safety Specification for Window Fall Prevention Devices for Nonemergency Escape (Egress) and Rescue (Ingress) Windows
F 2090—10	Specification for Window Fall Prevention Devices with Emergency Escape (Egress) Release Mechanisms
F 2200—05	Standard Specification for Automated Vehicular Gate Construction
G 152—06	Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials
G 154—06	Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
G 155—05a	Practice for Operating Xenon Arc Light Apparatus for Exposure of Nonmetallic Materials

AWCI

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

Standard reference number	Title	Referenced in code section number
12-B—05	Technical Manual 12-B Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-resistive Materials; an Annotated Guide, <i>Second</i> Edition	

AWPA

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

Standard reference number	Title	Referenced in code section number
C1—03	All Timber Products—Preservative Treatment by Pressure Processes	
M4—06	Standard for the Care of Preservative-treated Wood Products	
U1—10	USE CATEGORY SYSTEM: User Specification for Treated Wood Except Section 6, Commodity Specification H	

AWS

American Welding Society
550 N.W. LeJeune Road
Miami, FL 33126

Standard reference number	Title	Referenced in code section number
D1.1—10	Structural Welding Code—Steel	
D1.3—08	Structural Welding Code—Sheet Steel	
D1.4—05	Structural Welding Code—Reinforcing Steel	

BHMA

Builders Hardware Manufacturers' Association
355 Lexington Avenue, 17th Floor
New York, NY 10017-6603

Standard reference number	Title	Referenced in code section number
A 156.10—05	Power Operated Pedestrian Doors	
A 156.19—07	Standard for Power Assist and Low Energy Operated Doors	

CGSB

Canadian General Standards Board
Place du Portage 111, 6B1
11 Laurier Street
Gatineau, Quebec, Canada K1A 1G6

Standard reference number	Title	Referenced in code section number
37-GP-52M (1984)	Roofing and Waterproofing Membrane, Sheet Applied, Elastomeric	
37-GP-56M (1985)	Membrane, Modified, Bituminous, Prefabricated and Reinforced for Roofing—with December 1985 Amendment	
CAN/CGSB 37.54—95	Polyvinyl Chloride Roofing and Waterproofing Membrane	

CPA

Composite Panel Association
19465 Deerfield Avenue, Suite 306
Leesburg, VA 20176

Standard reference number	Title	Referenced in code section number
ANSI A135.4—2004	Basic Hardboard	
ANSI A135.5—2004	Prefinished Hardboard Paneling	
ANSI A135.6—2006	Hardboard Siding	

CPSC

Consumer Product Safety Commission
4330 East West Highway
Bethesda, MD 20814-4408

Standard reference number	Title	Referenced in code section number
16 CFR Part 1201(1977)	Safety Standard for Architectural Glazing Material	
16 CFR Part 1209 (1979)	Interim Safety Standard for Cellulose Insulation	
16 CFR Part 1301 (1977)	<i>Ban of Unstable Refuse Bins</i>	
16 CFR Part 1404 (1979)	Cellulose Insulation	
16 CFR Part 1500 (1991)	Hazardous Substances and Articles; Administration and Enforcement Regulations	
16 CFR Part 1500.44 (2001)	Method for Determining Extremely Flammable and Flammable Solids	
16 CFR Part 1507 (2001)	Fireworks Devices	
16 CFR Part 1630 (2000)	Standard for the Surface Flammability of Carpets and Rugs	

CSA

Canadian Standards Association
5060 Spectrum Way
Mississauga, Ontario Canada L4W 5N6

Standard reference number	Title	Referenced in code section number
101/I.S.2/A440—08	Specifications for Windows, Doors and Unit Skylights	

CSSB

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

Standard reference number	Title	Referenced in code section number
CSSB—97	Grading and Packing Rules for Western Red Cedar Shakes and Western Red Shingles of the Cedar Shake and Shingle Bureau	

DASMA

Door and Access Systems Manufacturers Association International
1300 Summer Avenue
Cleveland, OH 44115-2851

Standard reference number	Title	Referenced in code section number
ANSI/DASMA 107—1997 (R2004)	Room Fire Test Standard for Garage Doors Using Foam Plastic Insulation	
108—05	Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference	
115—05	Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure	

REFERENCED STANDARDS

DOC

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

Standard reference number	Title	Referenced in code section number
PS-1—07	Structural Plywood	
PS-2—04	Performance Standard for Wood-based Structural-use Panels	
PS 20—05	American Softwood Lumber Standard	

DOL

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

Standard reference number	Title	Referenced in code section number
29 CFR Part 1910.1000 (1974)	Air Contaminants	

DOTn

U.S. Department of Transportation
c/o Superintendent of Documents
1200 New Jersey Avenue, SE
Washington, DC 20402-9325

Standard reference number	Title	Referenced in code section number
49 CFR Parts 100-185-2005	Hazardous Materials Regulations	
49 CFR Parts 173.137 (2005)	Shippers—General Requirements for Shipments and Packaging—Class 8—Assignment of Packing Group	
49 CFR—1998	Specification of Transportation of Explosive and Other Dangerous Articles, UN 0335, UN 0336 Shipping Containers	

EN

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

Standard reference number	Title	Referenced in code section number
EN 1081-98	Resilient Floor Coverings—Determination of the Electrical Resistance	

FEMA

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

Standard reference number	Title	Referenced in code section number
FIA-TB11—01	Crawlspace Construction for Buildings Located in Special Flood Hazard Areas	

FM

Factory Mutual Global Research
Standards Laboratories Department
1301 Atwood Avenue, P.O. Box 7500
Johnston, RI 02919

Standard reference number	Title	Referenced in code section number
4450 (1989)	Approval Standard for Class 1 Insulated Steel Deck Roofs—with Supplements through July 1992	
4470 (2010)	Approval Standard for Class 1 Roof Covers	
4474 (04)	Evaluating the Simulated Wind Uplift Resistance of Roof Assemblies Using Static Positive and/or Negative Differential Pressures	
4880 (2010)	American National Standard for Evaluating Insulated Wall or Wall and Roof/Ceiling Assemblies, Plastic Interior Finish Materials, Plastic Exterior Building Panels, Wall/Ceiling Coating Systems, Interior and Exterior Finish Systems	

GA

Gypsum Association
810 First Street N.E. #510
Washington, DC 20002-4268

Standard reference number	Title	Referenced in code section number
GA 216—10	Application and Finishing of Gypsum Panel Products	
GA 600—09	Fire-resistance Design Manual, 18th Edition	

HPVA

Hardwood Plywood Veneer Association
1825 Michael Faraday Drive
Reston, VA 20190

Standard reference number	Title	Referenced in code section number
HP-1—2009	Standard for Hardwood and Decorative Plywood	

HUD

U.S. Department of Housing and Urban Development
451 7th Street, SW
Washington, DC 20410

Standard reference number	Title	Referenced in code section number
HUD 24 CFR Part 3280 (1994)	Manufactured Home Construction and Safety Standards	

ICC

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

Standard reference number	Title	Referenced in code section number
ICC/ANSI A117.1—09	Accessible and Usable Buildings and Facilities	
ICC 300—07	ICC Standard on Bleachers, Folding and Telescopic Seating and Grandstands	
ICC 400—07	Standard on Design and Construction of Log Structures	
ICC 500—08	ICC/NSSA Standard on the Design and Construction of Storm Shelters	
ICC 600—08	Standard for Residential Construction in High Wind Regions	
IEBC—09	International Existing Building Code*	
IECC—12	International Energy Conservation Code* (<i>adoption includes Chapters 2 through 5 of both the commercial provisions and the residential provisions, but only Section 101 of Chapter 1 and as further modified in Chapter 13 of this code</i>)	
IFGC—09	International Fuel Gas Code* (including ICC Emergency Amendment changing IFGC Section 406.7)	
SBCCI SSTD 11—99	Test Standard for Determining Wind Resistance of Concrete or Clay Roof Tiles	

REFERENCED STANDARDS

Standard reference number	Title	Referenced
		in code section number
ISO 8115—86	Cotton Bales—Dimensions and Density	

Standard reference number	Title	Referenced
		in code section number
FP 1001—07	Guide Specifications for Design of Metal Flag Poles	

Standard reference number	Title	Referenced
		in code section number
TEK 5—08	Details for Concrete Masonry Fire Walls	

Standard reference number	Title	Referenced
		in code section number
10—10	Portable Fire Extinguishers	
11—10	Low Expansion Foam	
12—08	Carbon Dioxide Extinguishing Systems	
12A—04	Halon 1301 Fire Extinguishing Systems	
13—10	Installation of Sprinkler Systems (including TIA 10-2)	
13D—10	Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes (including TIA 10-2)	
13R—10	Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height (including TIA 10-2)	
14—10	Installation of Standpipe and Hose System	
16—07	Installation of Foam-water Sprinkler and Foam-water Spray Systems	
17—09	Dry Chemical Extinguishing Systems	
17A—09	Wet Chemical Extinguishing Systems	
20—10	Installation of Stationary Pumps for Fire Protection	
30—15	Flammable and Combustible Liquids Code	
31—11	Installation of Oil-burning Equipment	
32—07	Dry Cleaning Plants	
37—10	Installation and Use of Stationary Combustion Engines and Gas Turbines	
40—11	Storage and Handling of Cellulose Nitrate Film	
58—11	Liquefied Petroleum Gas Code	
61—08	Prevention of Fires and Dust Explosions in Agricultural and Food Product Facilities	
70—14	National Electrical Code	
72—10	National Fire Alarm and Signaling Code (including TIA 10-4 and TIA 10-5)	
80—10	Fire Doors and Other Opening Protectives	
85—07	Boiler and Combustion System Hazards Code (Note: NFPA 8503 has been incorporated into NFPA 85)	
92B—09	Smoke Management Systems in Malls, Atria and Large Spaces	
99—05	Standard for Health Care Facilities	
105—10	Standard for the Installation of Smoke Door Assemblies	
110—10	Emergency and Standby Power Systems	
111—10	Stored Electrical Energy Emergency and Standby Power Systems	

NFPA—continued

120—10	Coal Preparation Plants
170—09	Standard for Fire Safety and Emergency Symbols
211—10	Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances
221—09	<i>Standard for High challenge Fire Walls, Fire Walls, and Fire Barrier Walls</i>
252—08	Standard Methods of Fire Tests of Door Assemblies
253—06	Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
257—07	Standard for Fire Test for Window and Glass Block Assemblies
259—08	Test Method for Potential Heat of Building Materials
265—07	Method of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Wall Coverings on Full Height Panels and Walls
268—07	Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source
285—06	Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Nonload-bearing Wall Assemblies Containing Combustible Components
286—06	Standard Method of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
288—07	Standard Method of Fire Tests of Floor Fire Door Assemblies Installed Horizontally in Fire-resistance-rated Floor Systems
409—11	Aircraft Hangars
418—06	Standard for Heliports
484—09	Combustible Metals
654—06	Prevention of Fire & Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids
655—07	Prevention of Sulfur Fires and Explosions
664—07	Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities
701—10	Standard Methods of Fire Tests for Flame-propagation of Textiles and Films
704—07	Standard System for the Identification of the Hazards of Materials for Emergency Response
1124—06	Manufacture, Transportation and Storage of Fireworks and Pyrotechnic Articles
2001—08	Clean Agent Fire Extinguishing Systems

PCI

Precast Prestressed Concrete Institute
209 W. Jackson Boulevard, Suite 500
Chicago, IL 60606-6938

Standard reference number	Title	Referenced in code section number
MNL 124—89	Design for Fire Resistance of Precast Prestressed Concrete	
MNL 128—01	Recommended Practice for Glass Fiber Reinforced Concrete Panels	

PTI

Post-Tensioning Institute
8601 North Black Canyon Highway, Suite 103
Phoenix, AZ 85021

Standard reference number	Title	Referenced in code section number
PTI—2008	Standard Requirements for Analysis of Shallow Concrete Foundations on Expansive Soils, Third Edition	
PTI—2008	Standard Requirements for Design of Shallow Post-tensioned Concrete Foundation on Expansive Soils, Second Edition	

RMI

Rack Manufacturers Institute
8720 Red Oak Boulevard, Suite 201
Charlotte, NC 28217

Standard reference number	Title	Referenced in code section number
ANSI/MH16.1—08	Specification for Design, Testing and Utilization of Industrial Steel Storage Racks	

REFERENCED STANDARDS

SDI		Steel Deck Institute P. O. Box 25 Fox River Grove, IL 60021
Standard reference number	Title	Referenced in code section number
ANSI/NC1.0—06	Standard for Noncomposite Steel Floor Deck	
ANSI/RD1.0—06	Standard for Steel Roof Deck	

SJI		Steel Joist Institute 1173B London Links Drive Forest, VA 24551
Standard reference number	Title	Referenced in code section number
CJ-1.0—06	Standard Specification for Composite Steel Joists, CJ-series	
JG-1.1—05	Standard Specification for Joist Girders	
K-1.1—05	Standard Specification for Open Web Steel Joists, K-series	
LH/DLH-1.1—05	Standard Specification for Longspan Steel Joists, LH-series and Deep Longspan Steel Joists, DLH-series	

SPRI		Single-Ply Roofing Institute 411 Waverly Oaks Road, Suite 331B Waltham, MA 02452
Standard reference number	Title	Referenced in code section number
SPRI/ANSI/ES-1—03	Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems	
RP-4—02	Wind Design Guide for Ballasted Single-ply Roofing Systems	

TIA		Telecommunications Industry Association 2500 Wilson Boulevard Arlington, VA 22201-3834
Standard reference number	Title	Referenced in code section number
TIA-222-G—09	Structural Standards for Steel Antenna Towers and Antenna Supporting Structures including-Addendum 1, 222-G-1, Dated 2007	

TMS		The Masonry Society 3970 Broadway, Unit 201-D Boulder, CO 80304-1135
Standard reference number	Title	Referenced in code section number
0216—07	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies	
0302—07	Standard Method for Determining the Sound Transmission Class Rating for Masonry Walls	
402—08	Building Code Requirements for Masonry Structures	
602—08	Specification for Masonry Structures	

TPI		Truss Plate Institute 218 N. Lee Street, Suite 312 Alexandria, VA 22314
Standard reference number	Title	Referenced in code section number
TPI 1—2007	National Design Standards for Metal-plate-connected Wood Truss Construction	

REFERENCED STANDARDS

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096

Standard reference number	Title	Referenced in code section number
9—09	Fire Tests of Window Assemblies—with Revisions through April 2005	
10A—09	Tin Clad Fire Doors—with Revisions through March 2003	
10B—08	Fire Tests of Door Assemblies—with Revisions through October 2001	
10C—09	Positive Pressure Fire Tests of Door Assemblies—with Revisions through November 2001	
14B—08	Sliding Hardware for Standard Horizontally-mounted Tin Clad Fire Doors—with Revisions through July 2000	
14C—06	Swinging Hardware for Standard Tin Clad Fire Doors Mounted Singly and in Pairs	
103—10	Factory-built Chimneys, for Residential Type and Building Heating Appliances—with Revisions through June 2006	
127—08	Factory-built Fireplaces—with Revisions through November 2006	
199E—04	Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers	
217—06	Single and Multiple Station Smoke Alarms—with Revisions through August 2005	
263—03	Standard for Fire Test of Building Construction and Materials	
268—09	Smoke Detectors for Fire Protective Signaling Systems—with Revisions through January 1999	
300—05	Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Areas	
300A—06	<i>Extinguishing system units for residential range top cooking surfaces</i>	
305—97	Panic Hardware	
325—02	Door, Drapery, Gate, Louver and Window Operations and Systems—with Revisions through February 2006	
555—2006	Fire Dampers	
555C—2006	Ceiling Dampers	
555S—99	Smoke Dampers—with Revisions through July 2006	
580—2006	Test for Uplift Resistance of Roof Assemblies	
641—95	Type L Low-temperature Venting Systems—with Revisions through August 2005	
710B—04	Recirculating Systems—with Revisions through April 2006	
723—08	Standard for Test for Surface Burning Characteristics of Building Materials—with Revisions through May 2005	
790—04	Standard Test Methods for Fire Tests of Roof Coverings	
793—08	Standards for Automatically Operated Roof Vents for Smoke and Heat—with Revisions through April 2004	
864—03	Standards for Control Units and Accessories for Fire Alarm Systems—with Revisions through March 2006	
924—06	Standard for Safety Emergency Lighting and Power Equipment	
1040—96	Fire Test of Insulated Wall Construction—with Revisions through June 2001	
1256—02	Fire Test of Roof Deck Construction—with Revisions through January 2007	
1479—03	Fire Tests of Through-penetration Firestops—with Revisions through April 2007	
1482—10	Solid-fuel-type Room Heater—with Revisions through November 2006	
1715—97	Fire Test of Interior Finish Material—with Revisions through March 2004	
1777—07	Chimney Liners	
1784—01	Air Leakage Tests of Door Assemblies—with Revisions through December 2004	
1897—04	Uplift Tests for Roof Covering Systems	
1975—06	Fire Test of Foamed Plastics Used for Decorative Purposes	
1994—04	Standard for Luminous Egress Path Marking Systems—with Revisions through February 2005	
2017—08	Standards for General-purpose Signaling Devices and Systems—with Revisions through August 2005	
2079—04	Tests for Fire Resistance of Building Joint Systems—with Revisions through March 2006	
2200—12	Stationary Engine Generator Assemblies—with Revisions through July 2004	

ULC

Underwriters Laboratories of Canada
7 Underwriters Road
Toronto, Ontario, Canada M1R3B4

Standard reference number	Title	Referenced in code section number
CAN/ULC S102.2—2010	Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings and Miscellaneous Materials and Assemblies—with 2000 Revisions	

REFERENCED STANDARDS

USC		United States Code c/o Superintendent of Documents U.S. Government Printing Office Washington, DC 20402-9325
Standard reference number	Title	Referenced in code section number
10 USC Sections 18233(A)(1) and 18237—1994		
18 USC Part 1, Ch.40	Importation, Manufacture, Distribution and Storage of Explosive Materials	

WDMA		Window and Door Manufacturers Association 1400 East Touhy Avenue #470 Des Plaines, IL 60018
Standard reference number	Title	Referenced in code section number
AAMA/WDMA/CSA 101/I.S.2/A440—08	Specifications for Windows, Doors and Unit Skylights	

WRI		Wire Reinforcement Institute, Inc. 942 Main Street, Suite 300 Hartford, CT 06103
Standard reference number	Title	Referenced in code section number
WRI/CRSI—81	Design of Slab-on-ground Foundations—with 1996 Update	

CHAPTER 15
REFERENCED STANDARDS

1501.1 General. This chapter lists the *codes and 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 *the* title. The application of the referenced standards shall be as specified in Section 102.5 of the building code.

1501.2 Referenced codes. When indicated in the OMC, the following codes refer to provisions in the listed chapters of the Administrative Code:

Referenced Code	Ohio Administrative Code Chapters
Building Code	4101:1-1 to 4101:1-35
Fire Code	1301:7-1 to 1301:7-7
Ohio Boiler and Pressure Vessel Rules	4101:4-1 to 4101:4-10
Plumbing Code	4101:3-1 to 4101:3-13

1501.3 Referenced standards.

ACCA		Air Conditioning Contractors of America 2800 Shirlington Road, Suite 300 Arlington, VA 22206
Standard Reference Number	Title	Referenced in code section number
Manual D—95	Residential Duct Systems	
183—2007	Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings	

AHRI		Air-Conditioning, Heating and Refrigeration Institute 4100 North Fairfax Drive, Suite 200 Arlington, VA 22203
Standard Reference Number	Title	Referenced in code section number
700—06	Purity Specifications for Fluorocarbon and Other Refrigerants	

ANSI		American National Standards Institute 11 West 42nd Street New York, NY 10036
Standard Reference Number	Title	Referenced in code section number
Z21.8—1994 (R2002)	Installation of Domestic Gas Conversion Burners	

ASHRAE		American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329
Standard Reference Number	Title	Referenced in code section number
Handbook—2009	ASHRAE Fundamentals Handbook—2005	
15—2010	Safety Standard for Refrigeration Systems	
34—2010	Designation and Safety Classification of Refrigerants	
62.1—2010	Ventilation for Acceptable Indoor Air Quality	
62.2—2010	Ventilation for Acceptable Indoor Air Quality in Low-rise Residential Buildings	
170—2008	Ventilation of Health Care Facilities (with addendums a through h—2011)	

REFERENCED STANDARDS

ASME

American Society of Mechanical Engineers
 Three Park Avenue
 New York, NY 10016-5990

Standard Reference Number	Title	Referenced in code section number
B1.20.1—1983 (R2006)	Pipe Threads, General Purpose (Inch)	
B16.3—2006	Malleable Iron Threaded Fittings, Classes 150 & 300	
B16.5—2009	Pipe Flanges and Flanged Fittings NPS 1/2 through NPS 24—	
B16.9—2007	Factory Made Wrought Steel Butt-welding Fittings	
B16.11—2009	Forged Fittings, Socket-welding and Threaded	
B16.15—2006	Cast Bronze Threaded Fittings	
B16.18—2001 (Reaffirmed 2005)	Cast Copper Alloy Solder Joint Pressure Fittings	
B16.22—2001 (Reaffirmed 2005)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	
B16.23—2002 (Reaffirmed 2006)	Cast Copper Alloy Solder Joint Drainage Fittings DWV	
B16.24—2006	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500	
B16.26—2006	Cast Copper Alloy Fittings for Flared Copper Tubes	
B16.28—1994	Wrought Steel Butt-welding Short Radius Elbows and Returns	
B16.29—2007	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings-DWV	
B31.9—2010	Building Services Piping	
BPVC—2010	Boiler & Pressure Vessel Code	
BPVC Section IX—2010	Welding and Brazing Qualifications	
CSD-1—2009	Controls and Safety Devices for Automatically Fired Boilers	

ASSE

American Society of Sanitary Engineering
 901 Canterbury, Suite A
 Westlake, OH 44145

Standard Reference Number	Title	Referenced in code section number
1017—09	Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems	

ASTM

ASTM International
 100 Barr Harbor Drive
 West Conshohocken, PA 19428

Standard Reference Number	Title	Referenced in code section number
A 53/A 53M—10	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless	
A 106/A 106M—10	Specification for Seamless Carbon Steel Pipe for High-Temperature Service	
A 126—04 (2009)	Specification for Gray Iron Castings for Valves, Flanges and Pipe Fittings	
A 254—97 (2007)	Specification for Copper Brazed Steel Tubing	
A 420/A 420M—10	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service	
A 539—99	Specification for Electric-Resistance-Welded Coiled Steel Tubing for Gas and Fuel Oil Lines	
B 32—08	Specification for Solder Metal	
B 42—10	Specification for Seamless Copper Pipe, Standard Sizes	
B 43—09	Specification for Seamless Red Brass Pipe, Standard Sizes	
B 68—02	Specification for Seamless Copper Tube, Bright Annealed	
B 75—02	Specification for Seamless Copper Tube	
B 88—09	Specification for Seamless Copper Water Tube	
B 135—10	Specification for Seamless Brass Tube	
B 251—10	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	
B 280—08	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	
B 302—07	Specification for Threadless Copper Pipe, Standard Sizes	
B 813—10	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	
C 315—07	Specification for Clay Flue Liners and Chimney Pots	
C 411—05	Test Method for Hot-surface Performance of High-temperature Thermal Insulation	
D 56—05 (2010)	Test Method for Flash Point by Tag Closed Tester	

ASTM—continued

D 93—10a	Test Method for Flash Point of Pensky-Martens Closed Cup Tester
D 1527—99(2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80
D 1693—08	Test Method for Environmental Stress-Cracking of Ethylene Plastics
D 1785—06	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe, Schedules 40, 80 and 120
D 2235—04	Specifications for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings
D 2241—09	Specification for Poly (Vinyl Chloride)(PVC) Pressure-rated Pipe (SDR-Series)
D 2282—99(2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (SDR-PR)
D 2412—10	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-plate Loading
D 2447—03	Specification for Polyethylene (PE) Plastic Pipe, Schedules 40 and 80, Based on Outside Diameter
D 2466—06	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 40
D 2467—06	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 80
D 2468—96a	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40
D 2513—09a	Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings
D 2564—04(2009)e01	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems
D 2657—07	Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings
D 2683—10	Specification for Socket-type Polyethylene Fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing
D 2837—08	Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products
D 2846/D 2846M—09b	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems
D 2996—01(2007)e01	Specification for Filament-wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe
D 3035—08	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter
D 3278—96(2004)e01	Test Methods for Flash Point of Liquids by Small Scale Closed-cup Apparatus
D 3261—10a	Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing
D 3309—96a(2002)	Specification for Polybutylene (PB) Plastic Hot and Cold Water Distribution Systems
D 3350—10	Specification for Polyethylene Plastics Pipe and Fittings Materials
E 84—10b	Test Method for Surface Burning Characteristics of Building Materials
E 119—10b	Test Method for Fire Tests of Building Construction and Materials
E 136—09b	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C
E 814—10	Test Method for Fire Tests of Through-penetration Fire Stops
E 1509—04	Specification for Room Heaters, Pellet Fuel-burning Type
E 2231—09	Standard Practice For Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics
E 2336—04(2009)	Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems
F 438—09	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40
F 439—09	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
F 441/F 441M—09	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80
F 442/F 442M—09	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)
F 493—10	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings
F 876—10	Specification for Crosslinked Polyethylene (PEX) Tubing
F 877—07	Specification for Crosslinked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems
F 1055—98(2006)	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Fittings
F 1281—07	Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe
F 1282—10	Standard Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe
F 1476—07	Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications
F 1924—05	Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing
F 1974—09	Standard Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure Pipe
F 2389—10	Specification for Pressure-Rated Polypropylene Piping Systems
F 2623—08	Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDR 9 Tubing

American Welding Society
 550 N.W. LeJeune Road
 P.O. Box 351040
 Miami, FL 33135

AWS

Standard Reference Number	Title	Referenced in code section number
A5.8—2004	Specifications for Filler Metals for Brazing and Braze Welding	

REFERENCED STANDARDS

AWWA

American Water Work Association
6666 West Quincy Avenue
Denver, CO 80235

Standard Reference Number	Title	Referenced in code section number
C110/A21.10—08	Standard for Ductile Iron & Gray Iron Fittings, 2 inches Through 48 inches for Water	
C115/A21.15—05	Standard for Flanged Ductile-iron Pipe with Ductile Iron or Grey-iron Threaded Flanges	
C151/A21.51—09	Standard for Ductile-Iron Pipe, Centrifugally Cast for Water	
C153/A21.53—06	Standard for Ductile-Iron Compact Fittings for Water Service	

CSA

Canadian Standards Association
5060 Spectrum Way
Mississauga, Ontario, Canada L4W 5N6

Standard Reference Number	Title	Referenced in code section number
B137.9-M91 CAN/CSA	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-Pipe Systems	
B137.10—05	Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure-Pipe Systems	
ANSI CSA America FC1—04	Stationary Fuel Cell Power Systems	

DOL

Department of Labor
Occupational Safety and Health Administration
c/o Superintendent of Documents
US Government Printing Office
Washington, DC 20402-9325

Standard Reference Number	Title	Referenced in code section number
29 CFR Part 1910.1000 (1974)	Air Contaminants	
29 CFR Part 1910.1025	Toxic and Hazardous Substances	

FS

Federal Specifications*
General Services Administration
7th & D Streets
Specification Section, Room 6039
Washington, DC 20407

Standard Reference Number	Title	Referenced in code section number
WW-P-325B (1976)	Pipe, Bends, Traps, Caps and Plugs; Lead (for Industrial Pressure and Soil and Waste Applications)	
*Standards are available from the Supt. of Documents, U.S. Government Printing Office, Washington, DC 20402-9325.		

ICC

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

Standard Reference Number	Title	Referenced in code section number
IFGC—09	International Fuel Gas Code (including ICC Emergency Amendment changing IFGC Section 406.7)	

IIAR

International Institute of Ammonia Refrigeration
1110 North Glebe Road
Arlington, VA 22201

Standard Reference Number	Title	Referenced in code section number
2—99 (with Addendum A-2005)	Addendum A to Equipment, Design, and Installation of Ammonia Mechanical Refrigerating Systems	

MSS

Manufacturers Standardization Society of the Valve & Fittings Industry, Inc.
127 Park Street, N.E.
Vienna, VA 22180

Standard Reference Number	Title	Referenced in code section number
SP-69—2003	Pipe Hangers and Supports—Selection and Application	

NAIMA

North American Insulation Manufacturers Association
44 Canal Center Plaza, Suite 310
Alexandria, VA 22314

Standard Reference Number	Title	Referenced in code section number
AH116—02	Fibrous Glass Duct Construction Standards	

NFPA

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

Standard Reference Number	Title	Referenced in code section number
30—15	<i>Flammable and Combustible Liquids Code</i>	
30A—08	Code for Motor Fuel-dispensing Facilities and Repair Garages	
31—11	Installation of Oil-burning Equipment	
37—10	Stationary Combustion Engines and Gas Turbines	
58—11	Liquefied Petroleum Gas Code	
69—08	Explosion Prevention Systems	
70—14	National Electrical Code	
72—10	National Fire Alarm and Signaling Code (including TIA 10-4 and TIA 10-5)	
75—09	<i>Protection of Information Technology Equipment</i>	
82—09	Incinerators and Waste and Linen Handling Systems and Equipment	
85—07	<i>Boiler and Combustion Systems Hazards Code</i>	
91—10	Exhaust Systems for Air Conveying of Vapors, Gases, and Noncombustible Particulate Solids	
92B—09	Smoke Management Systems in Malls, Atria and Large Spaces	
96—14	<i>Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations</i>	
211—10	Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	
262—07	Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-handling Spaces	
704—07	Identification of the Hazards of Materials for Emergency Response	
853—10	Installation of Stationary Fuel Power Plants	

SMACNA

Sheet Metal & Air Conditioning Contractors National Assoc., Inc.
4201 Lafayette Center Drive
Chantilly, VA 20151-1209

Standard Reference Number	Title	Referenced in code section number
SMACNA/ANSI—2005	HVAC Duct Construction Standards—Metal and Flexible (2005)	
SMACNA—03	Fibrous Glass Duct Construction Standards	

REFERENCED STANDARDS

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096

Standard Reference Number	Title	Referenced in code section number
17—08	Vent or Chimney Connector Dampers for Oil-fired Appliances—with Revisions through September 1999	
103—10	Factory-built Chimneys, Residential Type and Building Heating Appliance—with Revisions through June 2006	
127—08	Factory-built Fireplaces—with Revisions through November 2006	
174—04	Household Electric Storage Tank Water Heaters—with Revisions through May 2006	
181—05	Factory-made Air Ducts and Air Connectors—with Revisions through December 1998	
181A—05	Closure Systems for Use with Rigid Air Ducts and Air Connectors—with Revisions through December 1998	
181B—05	Closure Systems for Use with Flexible Air Ducts and Air Connectors—with Revisions through December 1998	
207—01	Refrigerant-containing Components and Accessories, Nonelectrical—with Revisions through November 2004	
263—03	Standard for Fire Test of Building Construction and Materials	
268—09	Smoke Detectors for Fire Prevention Signaling Systems—with Revisions through October 2003	
268A—08	Smoke Detectors for Duct Applications—with Revisions through April 2006	
343—08	Pumps for Oil-Burning Appliances—with Revisions through May 2006	
391—10	Solid-fuel and Combination-fuel Central and Supplementary Furnaces	
412—04	Refrigeration Unit Coolers—with Revisions through February 2007	
471—10	Commercial Refrigerators and Freezers—with Revisions through March 2006	
508—99	Industrial Control Equipment—with Revisions through July 2005	
536—97	Flexible Metallic Hose—with Revisions through June 2003	
555—06	Fire Dampers—with Revisions through January 2002	
555C—06	Ceiling Dampers	
555S—99	Smoke Dampers—with Revisions through July 2006	
586—09	High-efficiency, Particulate, Air Filter Units—with Revisions through August 2004	
641—95	Type L Low-temperature Venting Systems—with Revisions through August 2005	
710—95	Exhaust Hoods for Commercial Cooking Equipment—with Revisions through February 2007	
710B—04	Recirculating Systems	
723—08	Standard for Test for Surface Burning Characteristics of Building Materials—with Revisions through May 2005	
726—95	Oil-fired Boiler Assemblies—with Revisions through March 2006	
727—06	Oil-fired Central Furnaces	
729—03	Oil-fired Floor Furnaces—with Revisions through January 1999	
730—03	Oil-fired Wall Furnaces—with Revisions through January 1999	
731—95	Oil-fired Unit Heaters—with Revisions through February 2006	
732—95	Oil-fired Storage Tank Water Heaters—with Revisions through February 2005	
737—07	Fireplace Stoves—with Revisions through January 2000	
762—03	Outline of Investigation for Power Ventilators for Restaurant Exhaust Appliances	
791—06	Residential Incinerators	
834—04	Heating, Water Supply and Power Boilers Electric—with Revisions through March 2006	
858—05	Household Electric Ranges—with Revisions through April 2006	
867—00	Electrostatic Air Cleaners—with Revisions through May 2004	
875—09	Electric Dry Bath Heater—with Revisions through March 2006	
896—93	Oil-burning Stoves—with Revisions through May 2004	
900—04	Air Filter Units	
923—08	Microwave Cooking Appliances—with Revisions through February 2006	
959—01	Medium Heat Appliance Factory-built Chimneys—with Revisions through September 2006	
1240—05	Electric Commercial Clothes	
1261—01	Electric Water Heaters for Pools and Tubs—with Revisions through June 2004	
1453—04	Electric Booster and Commercial Storage Tank Water Heaters—with Revisions through May 2006	
1479—03	Fire Tests of Through-penetration Firestops—with Revisions through April 2007	
1482—10	Solid-fuel Type Room Heaters—with Revisions through November 2006	
1777—07	Chimney Liners	
1812—09	Standard for Ducted Heat Recovery Ventilators—with Revisions through January 2006	
1815—09	Standard for Nonducted Heat Recovery Ventilators—with Revisions through January 2006	
1820—04	Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics	
1887—04	Fire Tests of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics	
1978—05	Grease Ducts	
1995—05	Heating and Cooling Equipment	
2043—08	Fire Test for Heat and Visible Smoke Release for Discrete Products and their Accessories Installed in Air-handling Spaces	

UL—continued

2085—10	<i>Protected Above-Ground Tanks for Flammable and Combustible Liquids</i>	█
2158—97	Electric Clothes Dryers—with Revisions through May 2004	
2158A—2006	Outline of Investigation for Clothes Dryer Transition Duct	
2162—01	Outline of Investigation for Commercial Wood-fired Baking Ovens—Refractory Type	
2200—12	<i>Stationary Engine Generator Assemblies</i>	█
2221—10	Tests of Fire Resistive Grease Duct Enclosure Assemblies	

CHAPTER 13
REFERENCED STANDARDS

1301.1 General. This chapter lists the *codes and 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 *the* title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 102.5 of the building code.

1301.2 Referenced codes. When indicated in the "OPC," the following codes refer to provisions in the listed chapters of the Administrative Code:

Referenced Code	Ohio Administrative Code Chapters
Building Code	4101:1-1 to 4101:1-35
Fire Code	1301:7-1 to 1301:7-7
Mechanical Code	4101:2-1 to 4101:2-15
Ohio Boiler and Pressure Vessel Rules	4101:4-1 to 4101:4-10

1301.3 Referenced standards.

ANSI		American National Standards Institute 25 West 43rd Street, Fourth Floor New York, NY 10036
Standard Reference Number	Title	Referenced in code section number
A118.10—10	Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin Set Ceramic Tile and Dimension Stone Installation	
Z4.3—95 (R2005)	Minimum Requirements for Nonsewered Waste-disposal Systems <i>(Standard is developed by the Portable Sanitation Association International-PSAI)</i>	
Z21.22—99 (R2003)	Relief Valves for Hot Water Supply Systems with Addenda Z21.22a-2000 (R2003) and Z21.22b-2001 (R2003) <i>(Standard is developed by the Canadian Standards Association- CSA and is the same as CSA 4.4-M99)</i>	
Z124.1.2—05	Plastic Bathtub and Shower Units <i>(Standard is developed by IAPMO)</i>	
Z124.3—05	Plastic Lavatories <i>(Standard is developed by IAPMO)</i>	
Z124.4—06	Plastic Water Closet Bowls and Tanks <i>(Standard is developed by IAPMO)</i>	
Z124.6—07	Plastic Sinks <i>(Standard is developed by IAPMO)</i>	
Z124.9—04	Plastic Urinal Fixtures <i>(Standard is developed by IAPMO)</i>	

AHRI		Air-Conditioning, Heating, & Refrigeration Institute 4100 North Fairfax Drive, Suite 200 Arlington, VA 22203
Standard Reference Number	Title	Referenced in code section number
1010—02	Self-contained, Mechanically Refrigerated Drinking-Water Coolers	410.1

ASME		American Society of Mechanical Engineers Three Park Avenue New York, NY 10016-5990
Standard Reference Number	Title	Referenced in code section number
A112.1.2—2004	Air Gaps in Plumbing Systems	
A112.1.3—2000 (R2005)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances	
A112.3.1—2007	Stainless Steel Drainage Systems for Sanitary, DWV, Storm and Vacuum Applications Above and Below Ground	
A112.3.4—2000 (R2004)	Macerating Toilet Systems and Related Components Water Heater Relief Valve Drain Tubes	

REFERENCED STANDARDS

ASME—continued

A112.4.1—2009	Water Heater Relief Valve Drain Tubes
A112.4.2—2008	Water Closet Personal Hygiene Devices
A112.4.3—1999 (R2004)	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System
A112.6.1M—1997 (R2002)	Floor-affixed Supports for Off-the-floor Plumbing Fixtures for Public Use
A112.6.2—2000 (R2004)	Framing-affixed Supports for Off-the-floor Water Closets with Concealed Tanks
A112.6.3—2001 (R2007)	2001 Floor and Trench Drains
A112.6.7—2001 (Reaffirmed 2007)	Enameled and Epoxy-coated Cast-iron and PVC Plastic Sanitary Floor Sinks
A112.14.1—2003	Backwater Valves
A112.14.3—2000	Grease Interceptors
A112.14.4—2001 (R2007)	Grease Removal Devices
A112.18.1/CSA B125.1-2005	Plumbing Supply Fittings
A112.18.2/CSA B125.2-2005	Plumbing Waste Fittings
A112.18.3—2002	Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings
A112.18.6/CSA B125.6-2009	Flexible Water Connectors
A112.18.7—1999 (R2004)	Deck mounted Bath/Shower Transfer Valves with Integral Backflow Protection
A112.19.1/CSA B45.2-2008	Enameled Cast Iron Plumbing Fixtures
A112.19.2/CSA B45.1-2008	Vitreous China Plumbing Fixtures and Hydraulic Requirements for Water Closets and Urinals
A112.19.3/CSA B45.4-2008	Stainless Steel Plumbing Fixtures (Designed for Residential Use)
A112.19.4M—1994 (R2004)	Porcelain Enameled Formed Steel Plumbing Fixtures
A112.19.5/CSA B45.15-2005	Trim for Water-closet Bowls, Tanks and Urinals
A112.19.7/CSA B45.10-2006	Hydromassage Bathtub Appliances
A112.19.12—2006	Wall Mounted and Pedestal Mounted, Adjustable, Elevating, Tilting and Pivoting Lavatory, Sink and Shampoo Bowl Carrier Systems and Drain Systems
A112.19.15—2005	Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors
A112.19.19—2006	Vitreous China Nonwater Urinals
A112.21.2M—1983	Roof Drains
A112.36.2M—1991(R2002)	Cleanouts
B1.20.1—1983(R2006)	Pipe Threads, General Purpose (inch)
B16.3—2006	Malleable Iron Threaded Fittings Classes 150 and 300
B16.4—2006	Gray Iron Threaded Fittings Classes 125 and 250
B16.9—2007	Factory-made Wrought Steel Butt welding Fittings
B16.11—2009	Forged Fittings, Socket-welding and Threaded
B16.12—2009	Cast-iron Threaded Drainage Fittings
B16.15—2006	Cast Bronze Threaded Fittings
B16.18—2001 (R2005)	Cast Copper Alloy Solder Joint Pressure Fittings
B16.22—2001 (R2005)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
B16.23—2002 (R2006)	Cast Copper Alloy Solder Joint Drainage Fittings DWV
B16.26—2006	Cast Copper Alloy Fittings for Flared Copper Tubes
B16.28—1994	Wrought Steel Butt welding Short Radius Elbows and Returns
B16.29—2007	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings (DWV)
BPVC Section IX—2010	Welding and Brazing Qualifications

ASSE

American Society of Sanitary Engineering
901 Canterbury Road, Suite A
Westlake, OH 44145

Standard Reference Number	Title	Referenced in code section number
1001—08	Performance Requirements for Atmospheric Type Vacuum Breakers	
1002—08	Performance Requirements for Antisiphon Fill Valves (Ballcocks) for Gravity Water Closet Flush Tanks	
1003—09	Performance Requirements for Water Pressure Reducing Valves	
1004—08	Performance Requirements for Backflow Prevention Requirements for Commercial Dishwashing Machines	
1005—99	Performance Requirements for Water Heater Drain Valves	

ASSE—continued

1006—86	Performance Requirements for Residential Use Dishwashers
1007—86	Performance Requirements for Home Laundry Equipment
1008—06	Performance Requirements for Household Food Waste Disposer Units
1010—04	Performance Requirements for Water Hammer Arresters
1011—04	Performance Requirements for Hose Connection Vacuum Breakers
1012—09	Performance Requirements for Backflow Preventers with Intermediate Atmospheric Vent
1013—09	Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Fire Protection Principle Backflow Preventers
1015—09	Performance Requirements for Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies
1016—05	Performance Requirements for Individual Thermostatic, Pressure Balancing and Combination Control Valves for Individual Fixture Fittings
1017—09	Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems
1018—01	Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied
1019—04	Performance Requirements for Vacuum Breaker Wall Hydrants, Freeze Resistant, Automatic Draining Type
1020—04	Performance Requirements for Pressure Vacuum Breaker Assembly
1022—03	Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment
1024—04	Performance Requirements for Dual Check Valve Type Backflow Preventers (for Residential Supply Service or Individual Outlets)
1035—08	Performance Requirements for Laboratory Faucet Backflow Preventers
1037—90	Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures
1044—01	Performance Requirements for Trap Seal Primer Devices Drainage Types and Electronic Design Types
1047—09	Performance Requirements for Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies
1048—09	Performance Requirements for Double Check Detector Fire Protection Backflow Prevention Assemblies
1050—09	Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems
1051—09	Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems—fixture and Branch Devices
1052—04	Performance Requirements for Hose Connection Backflow Preventers
1055—09	Performance Requirements for Chemical Dispensing Systems
1056—01	Performance Requirements for Spill Resistant Vacuum Breaker
1060—06	Performance Requirements for Outdoor Enclosures for Backflow Prevention Assemblies
1061—06	Performance Requirements for Removable and Nonremovable Push Fit Fittings
1062—06	Performance Requirements for Temperature Actuated, Flow Reduction Valves to Individual Fixture Fittings
1066—97	Performance Requirements for Individual Pressure Balancing In-line Valves for Individual Fixture Fittings
1069—05	Performance Requirements for Automatic Temperature Control Mixing Valves
1070—04	Performance Requirements for Water-temperature Limiting Devices
1072—07	Performance Requirements for Barrier Type Floor Drain Trap Seal Protection Devices
1079—05	Dielectric Pipe Unions
5013—09	Performance Requirements for Testing Reduced Pressure Principle Backflow Prevention Assembly (RPA) and Reduced Pressure Fire Protection Principle Backflow Preventers (RFP)
5015—09	Performance Requirements for Testing Double Check Valve Backflow Prevention Assembly (DCVA)
5020—09	Performance Requirements for Testing Pressure Vacuum Breaker Assembly (PVBA)
5047—09	Performance Requirements for Testing Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies (RPDA)
5048—09	Performance Requirements for Testing Double Check Valve Detector Assembly (DCDA)
5052—09	Performance Requirements for Testing Hose Connection Backflow Preventers
5056—09	Performance Requirements for Testing Spill Resistant Vacuum Breaker

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Standard Reference Number	Title	Referenced in code section number
A 53/A 53M—10	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless	
A 74—09	Specification for Cast-iron Soil Pipe and Fittings	
A 312/A 312M—09	Specification for Seamless and Welded Austenitic Stainless Steel Pipes	
A 733—03 (2009)e1	Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples	
A 778—01 (2009)e1	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products	
A 888—09	Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application	

REFERENCED STANDARDS

ASTM—continued

B 32—08	Specification for Solder Metal
B 42—10	Specification for Seamless Copper Pipe, Standard Sizes
B 43—09	Specification for Seamless Red Brass Pipe, Standard Sizes
B 75—02	Specification for Seamless Copper Tube
B 88—09	Specification for Seamless Copper Water Tube
B 152/B 152M—09	Specification for Copper Sheet, Strip Plate and Rolled Bar
B 251—10	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube
B 302—07	Specification for Threadless Copper Pipe, Standard Sizes
B 306—09	Specification for Copper Drainage Tube (DWV)
B 447—07	Specification for Welded Copper Tube
B 687—99 (2005)e01	Specification for Brass, Copper and Chromium-plated Pipe Nipples
B 813—10	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube
B 828—02	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings
C 4—04 (2009)	Specification for Clay Drain Tile and Perforated Clay Drain Tile
C 14—07	Specification for Nonreinforced Concrete Sewer, Storm Drain and Culvert Pipe
C 76—10a	Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe
C 296—00 (2009)e1	Specification for Asbestos-cement Pressure Pipe
C 425—04 (2009)	Specification for Compression Joints for Vitrified Clay Pipe and Fittings
C 428—97 (2006)	Specification for Asbestos-cement Nonpressure Sewer Pipe
C 443—05ae1	Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets
C 508—00 (2009)e1	Specification for Asbestos-cement Underdrain Pipe
C 564—09a	Specification for Rubber Gaskets for Cast-iron Soil Pipe and Fittings
C 700—09	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated
C 1053—00 (2010)	Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications
C 1173—08	Specification for Flexible Transition Couplings for Underground Piping System
C 1277—09a	Specification for Shielded Coupling Joining Hubless Cast-iron Soil Pipe and Fittings
C 1440—08	Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste, and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems
C 1460—08	Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground
C 1461—08	Specification for Mechanical Couplings Using Thermoplastic Elastomeric (TPE) Gaskets for Joining Drain, Waste and Vent (DWV) Sewer, Sanitary and Storm Plumbing Systems for Above and Below Ground Use
C 1540—09a	Specification for Heavy Duty Shielded Couplings Joining Hubless Cast-iron Soil Pipe and Fittings
C 1563—08	Standard Test Method for Gaskets for Use in Connection with Hub and Spigot Cast Iron Soil Pipe and Fittings for Sanitary Drain, Waste, Vent and Storm Piping Applications.
D 1527—99 (2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80
D 1785—06	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120
D 1869—95 (2005)	Specification for Rubber Rings for Asbestos-cement Pipe
D 2235—04	Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings
D 2239—03	Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter
D 2241—09	Specification for Poly (Vinyl Chloride) (PVC) Pressure-rated Pipe (SDR-Series)
D 2282—(2005)99e01	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (SDR-PR)
D 2464—06	Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
D 2466—06	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40
D 2467—06	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
D 2468—96a	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40
D 2564—04e01	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems
D 2609—02	Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe
D 2657—07	Practice for Heat Fusion-joining of Polyolefin Pipe and Fitting
D 2661—08	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings
D 2665—09	Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
D 2672—96a (2009)	Specification for Joints for IPS PVC Pipe Using Solvent Cement
D 2683—10	Standard Specification for Socket-type Polyethylene fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing
D 2729—03	Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings
D 2737—03	Specification for Polyethylene (PE) Plastic Tubing
D 2751—05	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe and Fittings
D 2846/D 2846M—09b	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems
D 2855—96 (2010)	Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings
D 3034—08	Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings

ASTM—continued

D 3035—08	Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter
D 3139—98 (2005)	Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals
D 3212—07	Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
D 3261—10a	Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic fittings for Polyethylene (PE) Plastic Pipe and Tubing
D 3311—09a	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns
D 4068—09	Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-containment Membrane
D 4551—96 (2008)e1	Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-containment Membrane
F 405—05	Specification for Corrugated Polyethylene (PE) Tubing and Fittings
F 409—02 (2008)	Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings
F 437—09	Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
F 438—09	Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40
F 439—09	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
F 441/F 441M—09	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80
F 442/F 442M—09	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)
F 477—10	Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
F 493—10	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings
F 628—08	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core
F 656—10	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings
F 714—08	Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter
F 876—10	Specification for Cross-linked Polyethylene (PEX) Tubing
F 877—07	Specification for Cross-linked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems
F 891—10	Specification for Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core
F 1055—98(2006)	Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing
F 1281—07	Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe
F 1282—10	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe
F 1412—09	Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage
F 1488—09	Specification for Coextruded Composite Pipe
F 1673—10	Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems
F 1807—07	Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing
F 1866—07	Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings
F 1960—10	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for use with Cross-linked Polyethylene (PEX) Tubing
F 1974—09	Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure Pipe
F 1986—01(2006)	Specification for Multilayer Pipe, Type 2, Compression Fittings and Compression Joints for Hot and Cold Drinking Water Systems
F 2080—09	Specifications for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe
F 2098—08	Standard specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert Fittings
F 2159—10	Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing
F 2262—09	Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Tubing OD Controlled SDR9
F 2306/F 2306M—08	12" to 60" Annular Corrugated Profile-wall Polyethylene (PE) Pipe and Fittings for Gravity Flow Storm Sewer and Subsurface Drainage Applications
F 2389—10	Specification for Pressure-rated Polypropylene (PP) Piping Systems
F 2434—09	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX AL-PEX) Tubing
F 2735—09	Standard Specification for SDR9 Cross-linked Polyethylene (PEX) and Raised Temperature (PE-RT) Tubing
F 2769—09	Polyethylene or Raised Temperature (PE-RT) Plastic Hot and Cold Water Tubing and Distribution Systems



American Welding Society
550 N.W. LeJeune Road
Miami, FL 33126

Standard Reference Number	Title	Referenced in code section number
A5.8—04	Specifications for Filler Metals for Brazing and Braze Welding	

REFERENCED STANDARDS

AWWA

American Water Works Association
6666 West Quincy Avenue
Denver, CO 80235

Standard Reference Number	Title	Referenced in code section number
C104/A21.4—08	Standard for Cement-mortar Lining for Ductile-iron Pipe and Fittings for Water	
C110/A21.10—08	Standard for Ductile-iron and Gray-iron Fittings, 3 Inches through 48 Inches, for Water	
C111/A21.11—06	Standard for Rubber-gasket Joints for Ductile-iron Pressure Pipe and Fittings	
C115/A21.15—05	Standard for Flanged Ductile-iron Pipe with Ductile-iron or Gray-iron Threaded Flanges	
C151/A21.51—09	Standard for Ductile-iron Pipe, Centrifugally Cast for Water	
C153/A21.53—06	Standard for Ductile-iron Compact Fittings for Water Service	
C510—07	Double Check Valve Backflow Prevention Assembly	
C511—07	Reduced-pressure Principle Backflow Prevention Assembly	
C651—05	Disinfecting Water Mains	
C652—02	Disinfection of Water-storage Facilities	
C901—08	<i>Polyethylene (PE) Pressure Pipe and Tubing 1/2 Inch (13 mm) through 3 Inch (76 mm) for Water Service</i>	
C904—08	<i>Cross-linked Polyethylene (PEX) Pressure Pipe 1/2 Inch (13 mm) through 3 Inch (76 mm) for Water Service</i>	

CISPI

Cast Iron Soil Pipe Institute
5959 Shallowford Road, Suite 419
Chattanooga, TN 37421

Standard Reference Number	Title	Referenced in code section number
301—09	Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	
310—09	Specification for Coupling for Use in Connection with Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	

CSA

Canadian Standards Association
5060 Spectrum Way,
Mississauga, Ontario, Canada L4W 5N6

Standard Reference Number	Title	Referenced in code section number
B45.1/ASME A112.19.2—02 (R2008)	Ceramic Plumbing Fixtures	
B45.2/ASME A112.19.1—02 (R2008)	Enameled Cast-iron Plumbing Fixtures	
B45.3—02 (R2008)	Porcelain Enameled Steel Plumbing Fixtures	
B45.4/ASME A112.19.3—02 (R2008)	Stainless-steel Plumbing Fixtures	
B45.5—02 (R2008)	Plastic Plumbing Fixtures	
B45.9—99 (R2008)	Macerating Systems and Related Components	
B45.10/ASME A112.19.7—09	<i>Hydromassage Bathtub Appliances</i>	
B45.15/ASME A112.19.5—09	<i>Trim for Water-closet Bowls, Tanks, and Urinals</i>	
B64.1.2—07	Vacuum Breakers, Pressure Type (PVB)	
B64.2.1—07	Vacuum Breakers, Hose Connection Type (HCVB) with Manual Draining Feature	
B64.2.1.1—07	Vacuum Breakers, Hose Connection Dual Check Type (HCDVB)	
B64.4.1—07	Backflow Preventers, Reduced Pressure Principle Type for Fire Sprinklers (RPF)	
B64.5—07	Backflow Preventers, Double Check Type (DCVA)	
B64.5.1—07	Backflow Preventers, Double Check Type for Fire Systems (DCVAF)	
B64.6—07	Backflow Preventers, Dual Check Valve Type (DuC)	
B64.7—07	Vacuum Breakers, Laboratory Faucet Type (LFVB)	
B64.10/B64.10.1—07	Manual for the Selection and Installation of Backflow Prevention Devices/Manual for the Maintenance and Field Testing of Backflow Prevention Devices	
B79—08	Floor, Area and Shower Drains, and Cleanouts for Residential Construction	
B125—01	Plumbing Fittings	
B125.1/ASME A112.18.1—05	<i>Plumbing Supply Fittings</i>	
B125.2/ASME A112.18.2—05	<i>Plumbing Waste Fittings</i>	
B125.3—2005	Plumbing Fittings	
B125.6/ASME A112.18.6—09	<i>Flexible Water Connectors</i>	
B137.1—09	Polyethylene Pipe, Tubing and Fittings for Cold Water Pressure Services	
B137.2—09	PVC Injection-moulded Gasketed Fittings for Pressure Applications	

CSA—continued

B137.3—09	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications
B137.5—09	Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications—with Revisions through September 1992
B137.6—09	CPVC Pipe, Tubing and Fittings for Hot and Cold Water Distribution Systems—with Revisions through May 1986
B181.1—06	ABS Drain, Waste and Vent Pipe and Pipe Fittings
B181.2—06	PVC Drain, Waste, and Vent Pipe and Pipe Fittings—with Revisions through December 1993
B182.1—06	Plastic Drain and Sewer Pipe and Pipe Fittings
B182.2—06	PVC Sewer Pipe and Fittings (PSM Type)
B182.4—06	Profile PVC Sewer Pipe and Fittings
B182.6—06	Profile Polyethylene Sewer Pipe and Fittings for Leak-proof Sewer Applications
B182.8—06	Profile Polyethylene Storm Sewer and Drainage Pipe and Fittings
B356—05	<i>Water Pressure Reducing Valves for Domestic Water Systems</i>
B483.1—07	<i>Drinking Water Treatment Units</i>
CAN/CSA-A257.1M—09	Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings
CAN/CSA-A257.2M—09	Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings
CAN/CSA-A257.3M—09	Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets
CAN/CSA-B64.1.1—07	Vacuum Breakers, Atmospheric Type (AVB)
CAN/CSA-B64.2—07	Vacuum Breakers, Hose Connection Type (HCVB)
CAN/CSA-B64.2.2—07	Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature
CAN/CSA-B64.3—07	Backflow Preventers, Dual Check Valve Type with Atmospheric Port (DCAP)
CAN/CSA-B64.4—07	Backflow Preventers, Reduced Pressure Principle Type (RP)
CAN/CSA-B64.10—07	Manual for the Selection, Installation, Maintenance and Field Testing of Backflow Prevention Devices
CAN/CSA-B137.9—09	Polyethylene/Aluminum/Polyethylene Composite Pressure Pipe Systems
CAN/CSA-B137.10M—09	Cross-linked Polyethylene/Aluminum/Polyethylene Composite Pressure Pipe Systems
CAN/CSA-B181.3—06	Polyolefin Laboratory Drainage Systems
CAN/CSA-B182.4—06	Profile PVC Sewer Pipe and Fittings
CAN/CSA-B602—10	Mechanical Couplings for Drain, Waste and Vent Pipe and Sewer Pipe

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

ICC

Standard Reference Number	Title	Referenced in code section number
IFGC—09	<i>International Fuel Gas Code Code (including ICC Emergency Amendment changing IFGC Sections 406.7)</i>	

International Safety Equipment Association
 1901 N. Moore Street, Suite 808
 Arlington, VA 22209

ISEA

Standard Reference Number	Title	Referenced in code section number
Z358.1—09	Emergency Eyewash and Shower Equipment	

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

NFPA

Standard Reference Number	Title	Referenced in code section number
70—14	National Electric Code	
99C—05	Gas and Vacuum Systems	

REFERENCED STANDARDS

NSF

NSF International
789 Dixboro Road
Ann Arbor, MI 48105

Standard Reference Number	Title	Referenced in code section number
3—2009	Commercial Warewashing Equipment	
14—2010	Plastic Piping System Components and Related Materials	
18—2009	Manual Food and Beverage Dispensing Equipment	
42—2009	Drinking Water Treatment Units—Aesthetic Effects	
44—2009	Residential Cation Exchange Water Softeners	
53—2009e	Drinking Water Treatment Units—Health Effects	
58—2009	Reverse Osmosis Drinking Water Treatment Systems	
61—2010a	Drinking Water System Components—Health Effects	
62—2009	Drinking Water Distillation Systems	
372—2010	<i>Drinking Water System Components—Lead Content</i>	

PDI

Plumbing and Drainage Institute
800 Turnpike Street, Suite 300
North Andover, MA 01845

Standard Reference Number	Title	Referenced in code section number
G101 (2010)	Testing and Rating Procedure for Grease Interceptors with Appendix of Sizing and Installation Data	

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096

Standard Reference Number	Title	Referenced in code section number
UL508—99	Industrial Control Equipment with Revision through July 2005	

Part IX—Referenced Standards

**CHAPTER 44
REFERENCED STANDARDS**

4401.1 General. This chapter lists the standards that are referenced in various sections of this code. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title. The application of the referenced standards shall be as specified in Section 102.5.

4401.2 Referenced codes. When indicated in this code, the following codes refer to provisions in the listed chapters of the administrative code:

REFERENCED CODE	OHIO ADMINISTRATIVE CODE CHAPTERS
Building Code	4101:1-1 to 4101:1-35
Fire Code	1301:7-1 to 1301:7-7
Mechanical Code	4101:2-1 to 4101:2-15
Plumbing Code	4101:3-1 to 4101:3-13, codified and published as the 2011 Ohio Plumbing Code, effective 11-1-2011 (including update effective 07-01-2014), and as modified in Section 2501.1.1.

4401.3 Referenced standard list.

Standard reference number	Title	Referenced in code section number
<p>AAMA American Architectural Manufacturers Association 1827 Walden Office Square, Suite 550 Schaumburg, IL 60173</p>		
AAMA/WDMA/CSA 101/I.S.2/A440—08	North American Fenestration Standard/Specification for Windows, Doors and Skylights	
450—10	Voluntary Performance Rating Method for Mullled Fenestration Assemblies	
506—08	Voluntary Specifications for Hurricane Impact and Cycle Testing of Fenestration Products	
711—07	Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	

Standard reference number	Title	Referenced in code section number
<p>ACI American Concrete Institute 38800 Country Club Drive Farmington Hills, MI 48331</p>		
318—08	Building Code Requirements for Structural Concrete	
332—08	Code Requirements for Residential Concrete Construction	
530—08	Building Code Requirements for Masonry Structures	
530.1—08	Specification for Masonry Structures	

Standard reference number	Title	Referenced in code section number
<p>ACCA Air Conditioning Contractors of America 2800 Shirlington Road, Suite 300 Arlington, VA 22206</p>		
Manual D—09	Residential Duct Systems	
Manual J—04	Residential Load Calculation—Eighth Edition	
Manual S—04	Residential Equipment Selection	

REFERENCED STANDARDS

AFPA

American Forest and Paper Association
1111 19th Street, NW, Suite 800
Washington, DC 20036

Standard reference number	Title	Referenced in code section number
NDS—05	National Design Specification (NDS) for Wood Construction—with 2005 Supplement	
WFCM—01	Wood Frame Construction Manual for One- and Two-family Dwellings	
AFPA—93	Span Tables for Joists and Rafters	
PWF—07	Permanent Wood Foundation Design Specification	

AISI

American Iron and Steel Institute
1140 Connecticut Ave, Suite 705
Washington, DC 20036

Standard reference number	Title	Referenced in code section number
AISI S100—07	North American Specification for the Design of Cold-formed Steel Structural Members	
AISI S230—07	Standard for Cold-formed Steel Framing-prescriptive Method for One- and Two-family Dwellings	

AITC

American Institute of Timber Construction
7012 S. Revere Parkway, Suite 140
Centennial, CO 80112

Standard reference number	Title	Referenced in code section number
ANSI/AITC A 190.1—07	Structural Glued Laminated Timber	

ANSI

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

Standard reference number	Title	Referenced in code section number
A108.1A—09	Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar	
A108.1B—09	Installation of Ceramic Tile, Quarry Tile on a Cured Portland Cement Mortar Setting Bed with Dry-set or Latex-Portland Mortar	
A108.4—09	Installation of Ceramic Tile with Organic Adhesives or Water Cleanable Tile-setting Epoxy Adhesive	
A108.5—09	Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex-Portland Cement Mortar	
A108.6—09	Installation of Ceramic Tile with Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy	
A108.11—09	Interior Installation of Cementitious Backer Units	
A118.1—10.1	American National Standard Specifications for Dry-set Portland Cement Mortar	
A118.3—10.1	American National Standard Specifications for Chemical-resistant, Water-cleanable Tile-setting and Grouting Epoxy and Water-cleanable Tile-setting Epoxy Adhesive	
A118.10—10.1	Specification for Load Bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation	
A136.1—10.1	American National Standard Specifications for Organic Adhesives for Installation of Ceramic Tile	
A137.1—08	American National Standard Specifications for Ceramic Tile	
A208.1—09	Particleboard	
LC1—05	Interior Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing—with Addenda LC 1a-1999 and LC 1b-2001	
LC4—07	Press-connect Copper and Copper Alloy Fittings for use in Fuel Gas Distribution Systems	
Z21.1—05	Household Cooking Gas Appliances—with Addenda Z21.1a-2003 and Z21.1b-2003	
Z21.5.1—06	Gas Clothes Dryers—Volume I—Type I Clothes Dryers—with Addenda Z21.5.1a-2003	
Z21.8—94 (R2002)	Installation of Domestic Gas Conversion Burners	
Z21.10.1—09	Gas Water Heaters—Volume I—Storage Water Heaters with Input Ratings of 75,000 Btu per hour or Less	
Z21.10.3—07	Gas Water Heaters—Volume III—Storage Water Heaters with Input Ratings above 75,000 Btu per hour, Circulating and Instantaneous Water Heaters—with Addenda Z21.10.3a-2003 and Z21.10.3b-2004	
Z21.11.2—07	Gas-fired Room Heaters—Volume II—Unvented Room Heaters—with Addenda Z21.11.2a-2003	
Z21.13—10	Gas-fired Low-Pressure Steam and Hot Water Boilers	
Z21.15—09	Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves—with Addenda Z21.15a-2001 (R2003)	

Z21.24—06	Connectors for Gas Appliances
Z21.40.1—96 (R2002)	Gas-fired, Heat-activated Air Conditioning and Heat Pump Appliances—with Z21.40.1a-97 (R2002)
Z21.40.2—96 (R2002)	Gas-fired, Work-activated Air Conditioning and Heat Pump Appliances (Internal Combustion)—with Z21.40.2a-1997 (R2002)
Z21.42—04	Gas-fired Illuminating Appliances
Z21.47—06	Gas-fired Central Furnaces
Z21.50—07	Vented Gas Fireplaces—with Addenda Z21.50a-2003
Z21.56—06	Gas-fired Pool Heaters—with Addenda Z21.56a-2004 and Z21.56b—2004
Z21.58—08	Outdoor Cooking Gas Appliances—with Addenda Z21.58a-1998 (R2002) and Z21.58b-2002
Z21.60—03	Decorative Gas Appliances for Installation in Solid Fuel-burning Fireplaces—with Addenda Z21.60a-2003
Z21.75/CSA 6.27—07	Connectors for Outdoor Gas Appliances
Z21.80—03	Line Pressure Regulators
Z21.83—98	Fuel Cell Power Plants
Z21.84—02	Manually Listed, Natural Gas Decorative Gas Appliances for Installation in Solid Fuel-burning Fireplaces—with Addenda Z21.84a -2003
Z21.86—08	Gas-fired Vented Space Heating Appliances
Z21.88—09	Vented Gas Fireplace Heaters—with Addenda A21.88a-2003 and Z21.88b—2004
Z21.91—07	Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters
Z83.6—90 (R1998)	Gas-fired Infrared Heaters
Z83.8—09	Gas-fired Unit Heaters and Gas-fired Duct Furnaces—with Addenda Z83.8a-2003
Z97.1—09	Safety Glazing Materials Used in Buildings—Safety Performance Specifications and Methods of Test

APA

APA—The Engineered Wood Association
7011 South 19th
Tacoma, WA 98466

Standard reference number	Title	Referenced in code section number
APA E30—07	Engineered Wood Construction Guide	

ASCE/SEI

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

Standard reference number	Title	Referenced in code section number
5—08	Building Code Requirements for Masonry Structures	
6—08	Specification for Masonry Structures	
7—05	Minimum Design Loads for Buildings and Other Structures	
24—05	Flood-resistant Design and Construction	
32—01	Design and Construction of Frost-protected Shallow Foundations	

ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329

Standard reference number	Title	Referenced in code section number
34—10	Designation and Safety Classification of Refrigerants	
ASHRAE—09	ASHRAE Fundamentals Handbook—2009	

REFERENCED STANDARDS



American Society of Mechanical Engineers
 Three Park Avenue
 New York, NY 10016-5990

Standard reference number	Title	Referenced in code section number
A 17.1/CSA B44—2010	Safety Code for Elevators and Escalators	
A 18.1—2008	Safety Standard for Platforms and Stairway Chair Lifts	
B 1.20.1—1983 (R2006)	Pipe Threads, General Purpose (Inch)	
B 16.33—2002 (R2007)	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2)	
B 16.44—02	Manually Operated Metallic Gas Valves For Use in Above-ground Piping Systems up to 5 psi	
B 36.10M—2004	Welded and Seamless Wrought-steel Pipe	
BPVC—2010	ASME Boiler and Pressure Vessel Code	
CSD-1—09	Controls and Safety Devices for Automatically Fired Boilers	



ASTM International
 100 Barr Harbor Drive
 West Conshohocken, PA 19428

Standard reference number	Title	Referenced in code section number
A 36/A 36M—08	Specification for Carbon Structural Steel	
A 53/A 53M—10a	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless	
A 82/A 82M—07	Specification for Steel Wire, Plain, for Concrete Reinforcement	
A 106/A 106M—10	Specification for Seamless Carbon Steel Pipe for High Temperature Service	
A 153/A 153M—09	Specification for Zinc Coating (Hot Dip) on Iron and Steel Hardware	
A 167—09	Specification for Stainless and Heat-resisting Chromium-nickel Steel Plate, Sheet and Strip	
A 240/A 240M—10a	Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications	
A 254—07	Specification for Copper Brazed Steel Tubing	
A 307—07b	Specification for Carbon Steel Bolts and Studs, 6000 psi Tensile Strength	
A 463/A 463M—09a	Standard Specification for Steel Sheet, Aluminum-coated by the Hot-dip Process	
A 510—08	Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel	
A 539—99	Specification for Electric-resistance-welded Coiled Steel Tubing for Gas and Fuel Oil Lines	
A 615/A 615M—09b	Specification for Deformed and Plain Billet-steel Bars for Concrete Reinforcement	
A 641/A 641M—09b	Specification for Zinc-coated (Galvanized) Carbon Steel Wire	
A 653/A 653M—09a	Specification for Steel Sheet, Zinc-coated (Galvanized) or Zinc-iron Alloy-coated (Galvanized) by the Hot-dip Process	
A 706/A 706M—09b	Specification for Low-alloy Steel Deformed and Plain Bars for Concrete Reinforcement	
A 755/A 755M—03 (2008)	Specification for Steel Sheet, Metallic Coated by the Hot-dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products	
A 778—01 (2009)e1	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products	
A 792/A 792M—09a	Specification for Steel Sheet, 55% Aluminum-zinc Alloy-coated by the Hot-dip Process	
A 875/A 875M—09a	Specification for Steel Sheet, Zinc-5%, Aluminum Alloy-coated by the Hot-dip Process	
A 924/A 924M—10	Standard Specification for General Requirements for Steel Sheet, Metallic-coated by the Hot-Dip Process	
A 951—06	Specification for Steel Wire Masonry Joint Reinforcement	
A 996/A 996M—09b	Specifications for Rail-steel and Axel-steel Deformed Bars for Concrete Reinforcement	
A 1003/A 1003M—10	Standard Specification for Steel Sheet, Carbon, Metallic and Nonmetallic-coated for Cold-formed Framing Members	
B 42—10	Specification for Seamless Copper Pipe, Standard Sizes	
B 43—09	Specification for Seamless Red Brass Pipe, Standard Sizes	
B 75—02	Specification for Seamless Copper Tube	
B 88—09	Specification for Seamless Copper Water Tube	
B 101—07	Specification for Lead-coated Copper Sheet and Strip for Building Construction	
B 135—10	Specification for Seamless Brass Tube	
B 209—07	Specification for Aluminum and Aluminum-alloy Sheet and Plate	
B 227—10	Specification for Hard-drawn Copper-clad Steel Wire	
B 251—10	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	
B 302—07	Specification for Threadless Copper Pipe, Standard Sizes	
B 306—09	Specification for Copper Drainage Tube (DWV)	
B 370—09	Specification for Copper Sheet and Strip for Building Construction	
B 447—07	Specification for Welded Copper Tube	
B 695—04 (2009)	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel	

ASTM—continued

B 813—10	Specification for Liquid and Paste Fluxes for Soldering Applications of Copper and Copper Alloy Tube
C 5—10	Specification for Quicklime for Structural Purposes
C 27—98 (2008)	Specification for Standard Classification of Fireclay and High-alumina Refractory Brick
C 28/C 28M—10	Specification for Gypsum Plasters
C 33—08	Specification for Concrete Aggregates
C 34—08	Specification for Structural Clay Load-bearing Wall Tile
C 36/C 36M—03	Specification for Gypsum Wallboard
C 37/C 37M—01	Specification for Gypsum Lath
C 55—09	Specification for Concrete Building Brick
C 59/C 59M—00 (2006)	Specification for Gypsum Casting and Molding Plaster
C 61/C 61M—00 (2006)	Specification for Gypsum Keene's Cement
C 62—10	Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)
C 73—05	Specification for Calcium Silicate Face Brick (Sand Lime Brick)
C 79—04a	Specification for Treated Core and Nontreated Core Gypsum Sheathing Board
C 90—09	Specification for Load-bearing Concrete Masonry Units
C 91—05	Specification for Masonry Cement
C 94/C 94M—10	Specification for Ready-mixed Concrete
C 129—06	Specification for Nonload-bearing Concrete Masonry Units
C 143/C 143M—10a	Test Method for Slump or Hydraulic Cement Concrete
C 145—85	Specification for Solid Load-bearing Concrete Masonry Units
C 150—09	Specification for Portland Cement
C 199—84 (2005)	Test Method for Pier Test for Refractory Mortar
C 203—05a	Standard Test Methods for Breaking Load and Flexural Properties of Block-type Thermal Insulation
C 207—06	Specification for Hydrated Lime for Masonry Purposes
C 208—08a	Specification for Cellulosic Fiber Insulating Board
C 216—10	Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)
C 270—10	Specification for Mortar for Unit Masonry
C 272—01 (2007)	Standard Test Method for Water Absorption of Core Materials for Structural Sandwich Constructions
C 273—07a	Standard Test Method for Shear Properties of Sandwich Core Materials
C 315—07	Specification for Clay Flue Liners and Chimney Pots
C 406—10	Specifications for Roofing Slate
C 411—05	Test Method for Hot-surface Performance of High-temperature Thermal Insulation
C 475/C 475—02 (2007)	Specification for Joint Compound and Joint Tape for Finishing Gypsum Wallboard
C 476—10	Specification for Grout for Masonry
C 514—04 (2009)e1	Specification for Nails for the Application of Gypsum Wallboard
C 552—07	Standard Specification for Cellular Glass Thermal Insulation
C 557—03 (2009)e1	Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing
C 578—10	Specification for Rigid, Cellular Polystyrene Thermal Insulation
C 587—04 (2009)	Specification for Gypsum Veneer Plaster
C 588/C 588M—03e1	Specification for Gypsum Base for Veneer Plasters
C 595—10	Specification for Blended Hydraulic Cements
C 630/C 630M—03	Specification for Water-resistant Gypsum Backing Board
C 631—09	Specification for Bonding Compounds for Interior Gypsum Plastering
C 645—09a	Specification for Nonstructural Steel Framing Members
C 652—10	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)
C 685—10	Specification for Concrete Made by Volumetric Batching and Continuous Mixing
C 728—05 (2010)	Standard Specification for Perlite Thermal Insulation Board
C 836/C 836M—10	Specification for High Solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
C 843—99 (2006)	Specification for Application of Gypsum Veneer Plaster
C 844—10	Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster
C 847—10a	Specification for Metal Lath
C 887—05 (2010)	Specification for Packaged, Dry, Combined Materials for Surface Bonding Mortar
C 897—05 (2009)	Specification for Aggregate for Job-mixed Portland Cement-based Plasters
C 920—10	Standard Specification for Elastomeric Joint Sealants
C 926—06	Specification for Application of Portland Cement-based Plaster
C 931/C 931M—04	Specification for Exterior Gypsum Soffit Board
C 933—09	Specification for Welded Wire Lath
C 954—10	Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness

REFERENCED STANDARDS

ASTM—continued

C 955—09a	Specification for Load-bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases
C 957—10	Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Integral Wearing Surface
C 960—04	Specification for Predecorated Gypsum Board
C 1002—07	Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases
C 1029—10	Specification for Spray-applied Rigid Cellular Polyurethane Thermal Insulation
C 1032—06	Specification for Woven Wire Plaster Base
C 1047—10a	Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base
C 1063—08	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-based Plaster
C 1107—08	Standard Specification for Packaged Dry, Hydraulic-cement Grout (Nonshrink)
C 1116—10	Standard Specification for Fiber-reinforced Concrete and Shotcrete
C 1167—03 (2009)	Specification for Clay Roof Tiles
C 1177/C 1177M—08	Specification for Glass Mat Gypsum Substrate for Use as Sheathing
C 1178/C 1178M—08	Specification for Glass Mat Water-resistant Gypsum Backing Panel
C 1186—08	Specification for Flat Nonasbestos Fiber Cement Sheets
C 1261—10	Specification for Firebox Brick for Residential Fireplaces
C 1278/C 1278M—07a	Specification for Fiber-reinforced Gypsum Panels
C 1283—07a	Practice for Installing Clay Flue Lining
C 1288—99 (2010)	Standard Specification for Discrete Nonasbestos Fiber-cement Interior Substrate Sheets
C 1289—10	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board
C 1325—08b	Standard Specification for Nonasbestos Fiber-mat Reinforced Cement Interior Substrate Sheets
C 1328—05	Specification for Plastic (Stucco) Cement
C 1395/C 1395M—06a	Specification for Gypsum Ceiling Board
C 1396/C 1396M—09a	Specification for Gypsum Board
C 1492—03 (2009)	Specification for Concrete Roof Tile
C 1513—10	Standard Specification for Steel Tapping Screws for Cold-formed Steel Framing Connections
C 1658/C 1658M—06	Standard Specification for Glass Mat Gypsum Panels
D 41—05 (2010)	Specification for Asphalt Primer Used in Roofing, Dampproofing and Waterproofing
D 43—00(2006)	Specification for Coal Tar Primer Used in Roofing, Dampproofing and Waterproofing
D 225—07	Specification for Asphalt Shingles (Organic Felt) Surfaced with Mineral Granules
D 226/D 226M—09	Specification for Asphalt-saturated (Organic Felt) Used in Roofing and Waterproofing
D 227—03	Specification for Coal Tar Saturated (Organic Felt) Used in Roofing and Waterproofing
D 312—00 (2006)	Specification for Asphalt Used in Roofing
D 422—63 (2007)	Test Method for Particle-size Analysis of Soils
D 449—03 (2008)	Specification for Asphalt Used in Dampproofing and Waterproofing
D 450—07	Specification for Coal-tar Pitch Used in Roofing, Dampproofing and Waterproofing
D 1227—95 (2007)	Specification for Emulsified Asphalt Used as a Protective Coating for Roofing
D 1248—05	Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable
D 1622—08	Standard Test Method for Apparent Density of Rigid Cellular Plastics
D 1623—09	Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics
D 1693—08	Test Method for Environmental Stress-cracking of Ethylene Plastics
D 1784—08	Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
D 1863—05	Specification for Mineral Aggregate Used in Built-up Roofs
D 1970—09	Specification for Self-adhering Polymer Modified Bitumen Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
D 2126—09	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging
D 2178—04	Specification for Asphalt Glass Felt Used in Roofing and Waterproofing
D 2412—10	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-plate Loading
D 2447—03	Specification for Polyethylene (PE) Plastic Pipe Schedules 40 and 80, Based on Outside Diameter
D 2513—09a	Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings
D 2559—10a	Standard Specification for Adhesives for Structural Laminated Wood Products for Use Under Exterior (West Use) Exposure Conditions
D 2626—04	Specification for Asphalt-saturated and Coated Organic Felt Base Sheet Used in Roofing
D 2683—10	Specification for Socket-type Polyethylene Fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing
D 2822—05	Specification for Asphalt Roof Cement
D 2823—05	Specification for Asphalt Roof Coatings
D 2824—06	Specification for Aluminum-pigmented Asphalt Roof Coatings, Nonfibered, Asbestos Fibered and Fibered without Asbestos

ASTM—continued

D 2837—08	Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products
D 2846/D 2846M—09b	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-water Distribution Systems
D 2898—10	Test Methods for Accelerated Weathering of Fire-retardant-treated Wood for Fire Testing
D 3019—08	Specification for Lap Cement Used with Asphalt Roll Roofing, Nonfibered, Asbestos Fibered and Nonasbestos Fibered
D 3035—08	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based On Controlled Outside Diameter
D 3161—09	Test Method for Wind Resistance of Asphalt Shingles (Fan Induced Method)
D 3201—08ae1	Test Method for Hygroscopic Properties of Fire-retardant Wood and Wood-base Products
D 3309—96a (2002)	Specification for Polybutylene (PB) Plastic Hot- and Cold-water Distribution System
D 3350—10	Specification for Polyethylene Plastic Pipe and Fitting Materials
D 3462/D 3462M—10a	Specification for Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules
D 3468—99 (2006)e01	Specification for Liquid-applied Neoprene and Chlorosulfanated Polyethylene Used in Roofing and Waterproofing
D 3679—09a	Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding
D 3737—09	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)
D 3747—79 (2007)	Specification for Emulsified Asphalt Adhesive for Adhering Roof Insulation
D 3909—97b (2004)e01	Specification for Asphalt Roll Roofing (Glass Felt) Surfaced with Mineral Granules.
D 3957—09	Standard Practices for Establishing Stress Grades for Structural Members Used in Log Buildings,
D 4022—07	Specification for Coal Tar Roof Cement, Asbestos Containing
D 4318—10	Test Methods for Liquid Limit, Plastic Limit and Plasticity Index of Soils
D 4434/D 4434—09	Specification for Poly (Vinyl Chloride) Sheet Roofing
D 4479—07	Specification for Asphalt Roof Coatings-asbestos-free
D 4586—07	Specification for Asphalt Roof Cement-asbestos-free
D 4601—04	Specification for Asphalt-coated Glass Fiber Base Sheet Used in Roofing
D 4637/D 4637M—10	Specification for EPDM Sheet Used in Single-ply Roof Membrane
D 4829—08a	Test Method for Expansion Index of Soils
D 4869—05e01	Specification for Asphalt-saturated (Organic Felt) Underlayment Used in Steep Slope Roofing
D 4897/D 4897M—01 (2009)	Specification for Asphalt Coated Glass-fiber Venting Base Sheet Used in Roofing
D 4990—97a (2005)e01	Specification for Coal Tar Glass Felt Used in Roofing and Waterproofing
D 5019—07a	Specification for Reinforced Nonvulcanized Polymeric Sheet Used in Roofing Membrane
D 5055—10	Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-joists
D 5516—09	Test Method for Evaluating the Flexural Properties of Fire-retardant-treated Softwood Plywood Exposed to the Elevated Temperatures
D 5643—06	Specification for Coal Tar Roof Cement Asbestos-free
D 5664—10	Test Methods For Evaluating the Effects of Fire-retardant Treatments and Elevated Temperatures on Strength Properties of Fire-retardant-treated Lumber
D 5665—99a (2006)	Specification for Thermoplastic Fabrics Used in Cold-applied Roofing and Waterproofing
D 5726—98 (2005)	Specification for Thermoplastic Fabrics Used in Hot-applied Roofing and Waterproofing
D 6083—05e01	Specification for Liquid-applied Acrylic Coating Used in Roofing
D 6162—08	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements
D 6163—00 (2008)	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements
D 6164—05e1	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements
D 6222—08	Specification for Atactic Polypropelene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcement
D 6223/D 6223M—02 (2009)	Specification for Atactic Polypropelene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcement
D 6298—05e1	Specification for Fiberglass-reinforced Styrene Butadiene Styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface
D 6305—08	Practice for Calculating Bending Strength Design Adjustment Factors for Fire-retardant-treated Plywood Roof Sheathing
D 6380—03 (2008)	Standard Specification for Asphalt Roll Roofing (Organic Felt)
D 6694—08	Standard Specification Liquid-applied Silicone Coating Used in Spray Polurethane Foam Roofing
D 6754/D 6754M—10	Standard Specification for Ketone-ethylene-ester-based Sheet Roofing
D 6757—07	Standard Specification for Inorganic Underlayment for Use with Steep Slope Roofing Products
D 6841—08	Standard Practice for Calculating Design Value Treatment Adjustment Factors for Fire-retardant-treated Lumber
D 6878—08e1	Standard Specification for Thermoplastic-polyolefin-based Sheet Roofing
D 6947—07	Standard Specification for Liquid Applied Moisture Cured Polyurethane Coating Used in Spray Polyurethane Foam Roofing System
D 7032—10a	Standard Specification for Establishing Performance Ratings for Wood-plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)
D 7158—08d	Standard Test Method for Wind Resistance of Sealed Asphalt Shingles (Uplift Force/Uplift Resistance Method)
E 84—10b	Test Method for Surface Burning Characteristics of Building Materials
E 90—04	Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

REFERENCED STANDARDS

ASTM—continued

E 96/E 96M—05	Test Method for Water Vapor Transmission of Materials
E 108—10a	Test Methods for Fire Tests of Roof Coverings
E 119—10b	Test Methods for Fire Tests of Building Construction and Materials
E 136—09b	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C
E 283—04	Test Method for Determining the Rate of Air Leakage through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen
E 330—02 (2010)	Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference
E 331—00 (2009)	Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference
E 492—09	Specification for Laboratory Measurement of Impact Sound Transmission through Floor-ceiling Assemblies Using the Tapping Machine
E 814—10	Test Method for Fire Tests of Through-penetration Firestops
E 970—10	Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source
E 1509—04	Standard Specification for Room Heaters, Pellet Fuel-burning Type
E 1602—03 (2010)e1	Guide for Construction of Solid Fuel Burning Masonry Heaters
E 1886—05	Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missiles and Exposed to Cyclic Pressure Differentials
E 1996—09	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
E 2178—03	Standard Test Method for Air Permeance of Building Materials
E 2231—09	Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics
E 2273—03	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies
E 2568—09e1	Standard Specification for PB Exterior Insulation and Finish Systems (EIFS)
E 2570—07	Standard Test Methods for Evaluating Water-resistive Barrier (WRB) Coatings Used Under Exterior Insulation and Finish Systems (EIFS) or EIFS with Drainage
F 876—10	Specification for Cross-linked Polyethylene (PEX) Tubing
F 877—07	Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-water Distribution Systems
F 1055—98 (2006)	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Fittings
F 1281—07	Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe
F 1282—10	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe
F 1554—07a	Specification for Anchor Bolts, Steel, 36, 55 and 105-ksi Yield Strength
F 1667—10	Specification for Driven Fasteners, Nails, Spikes and Staples
F 1807—10e1	Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing
F 1960—10	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing
F 1973—08	Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA 11) Fuel Gas Distribution Systems.2
F 2090—10	Specification for Window Fall Prevention Devices—with Emergency Escape (Egress) Release Mechanisms
F 2098—08	Standard Specification for Stainless Steel Clamps for SDR9 PEX Tubing to Metal Insert Fittings
F 2389—10	Standard Specification for Pressure-rated Polypropylene (PP) Piping Systems
F 2623—08	Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDRG Tubing



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

Standard reference number	Title	Referenced in code section number
C1—03	All Timber Products—Preservative Treatment by Pressure Processes	
M4—06	Standard for the Care of Preservative-treated Wood Products	
U1—10	USE CATEGORY SYSTEM: User Specification for Treated Wood Except Section 6 Commodity Specification H	

CGSB

Canadian General Standards Board
Place du Portage 111, 6B1
11 Laurier Street
Gatineau, Quebec, Canada KIA 1G6

Standard reference number	Title	Referenced in code section number
37-GP—52M—(1984)	Roofing and Waterproofing Membrane, Sheet Applied, Elastomeric	
37-GP—56M—(1985)	Membrane, Modified Bituminous, Prefabricated and Reinforced for Roofing—with December 1985 Amendment	
CAN/CGSB-37.54—95	Polyvinyl Chloride Roofing and Waterproofing Membrane	

CPA

Composite Panel Association
19465 Deerfield Avenue, Suite 306
Leesburg, VA 20176

Standard reference number	Title	Referenced in code section number
ANSI A135.4—04	Basic Hardboard	
ANSI A135.5—04	Prefinished Hardboard Paneling	
ANSI A135.6—06	Hardboard Siding	

CPSC

Consumer Product Safety Commission
4330 East West Highway
Bethesda, MD 20814-4408

Standard reference number	Title	Referenced in code section number
16 CFR Part 1201—(1977)	Safety Standard for Architectural Glazing	
16 CFR Part 1209—(1979)	Interim Safety Standard for Cellulose Insulation	
16 CFR Part 1404—(1979)	Cellulose Insulation	

CSA

Canadian Standards Association
5060 Spectrum Way
Mississauga, Ontario, Canada L4N 5N6

Standard reference number	Title	Referenced in code section number
CSA Requirement 3—88	Manually Operated Gas Valves for Use in House Piping Systems	
CSA 8-93	Requirements for Gas Fired Log Lighters for Wood Burning Fireplaces—with Revisions through January 1999	
O325—07	Construction Sheathing	
O437-Series—93	Standards on OSB and Waferboard (Reaffirmed 2006)	
101/I.S.2/A440—08	Specifications for Windows, Doors and Unit Skylights	
B45.1—02	Ceramic Plumbing Fixtures	
CAN/CSA B137.10M—09	Cross-linked Polyethylene/Aluminum/Polyethylene Composite Pressure Pipe Systems	

CSSB

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

Standard reference number	Title	Referenced in code section number
CSSB—97	Grading and Packing Rules for Western Red Cedar Shakes and Western Red Shingles of the Cedar Shake and Shingle Bureau	

REFERENCED STANDARDS

DASMA

Door and Access Systems Manufacturers
Association International
1300 Summer Avenue
Cleveland, OH 44115-2851

Standard reference number	Title	Referenced in code section number
108—05	Standard Method for Testing Garage Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference	

DOC

United States Department of Commerce
1401 Constitution Avenue, NW
Washington, DC 20230

Standard reference number	Title	Referenced in code section number
PS 1—07	Structural Plywood	
PS 2—04	Performance Standard for Wood-based Structural-use Panels	
R803.2.1/PS 20—05	American Softwood Lumber Standard	

DOTn

Department of Transportation
1200 New Jersey Avenue SE
East Building, 2nd floor
Washington, DC 20590

Standard reference number	Title	Referenced in code section number
49 CFR, Parts 192.281(e) & 192.283 (b)	Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards	

FEMA

Federal Emergency Management Agency
500 C Street, SW
Washington, DC 20472

Standard reference number	Title	Referenced in code section number
TB-2—08	Flood-resistant Materials Requirements	
FIA-TB-11—01	Crawlspace Construction for Buildings Located in Special Flood Hazard Area	

FM

Factory Mutual Global Research
Standards Laboratories Department
1301 Atwood Avenue, P. O. Box 7500
Johnson, RI 02919

Standard reference number	Title	Referenced in code section number
4450—(1989)	Approval Standard for Class 1 Insulated Steel Deck Roofs—with Supplements through July 1992	
4880—(2010)	American National Standard for Evaluating Insulated Wall or Wall and Roof/Ceiling Assemblies, Plastic Interior Finish Materials, Plastic Exterior Building Panels, Wall/Ceiling Coating Systems, Interior or Exterior Finish Systems	

GA

Gypsum Association
810 First Street, Northeast, Suite 510
Washington, DC 20002-4268

Standard reference number	Title	Referenced in code section number
GA-253—07	Application of Gypsum Sheathing	

HPVA

Hardwood Plywood & Veneer Association
1825 Michael Faraday Drive
Reston, Virginia 20190-5350

Standard reference number	Title	Referenced in code section number
HP-1—2009	The American National Standard for Hardwood and Decorative Plywood	

ICC

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

Standard reference number	Title	Referenced in code section number
ICC/ANSI A117.1—09	Accessible and Usable Buildings and Facilities	
ICC 400—07	Standard on the Design and Construction of Log Structures	
ICC 500—08	ICC/NSSA Standard on the Design and Construction of Storm Shelters	
ICC 600—08	Standard for Residential Construction in High Wind Regions	
IEBC—09	International Existing Buildings Code®	
IECC—09	International Energy Conservation Code® (adoption includes only Section 101 of Chapter 1 and Chapters 2 through 6)	
IFGC—09	International Fuel Gas Code® (including ICC Emergency Amendment changing Section 406.7)	

ISO

International Organization for Standardization
1, ch. de la Voie - Creuse
Case postale 56
CH-1211 Geneva 20, Switzerland

Standard reference number	Title	Referenced in code section number
15874—03	Polypropylene Plastic Piping Systems for Hot and Cold Water Installations	

MSS

Manufacturers Standardization Society of the Valve and Fittings Industry
127 Park Street, Northeast
Vienna, VA 22180

Standard reference number	Title	Referenced in code section number
SP-58—09	Pipe Hangers and Supports—Materials, Design and Manufacture	

NAIMA

North American Insulation Manufacturers Association
44 Canal Center Plaza, Suite 310
Alexandria, VA 22314

Standard reference number	Title	Referenced in code section number
AH 116—02	Fibrous Glass Duct Construction Standards, Fifth Edition	

NCMA

National Concrete Masonry Association
13750 Sunrise Valley Drive
Herndon, VA 20171-4662

Standard reference number	Title	Referenced in code section number
TR 68-A—75	Design and Construction of Plain and Reinforced Concrete Masonry and Basement and Foundation Walls	

REFERENCED STANDARDS

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02269

Standard reference number	Title	Referenced in code section number
13—10	Installation of Sprinkler Systems (<i>including TIA 10-2</i>)	
13D—10	Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes (<i>including TIA 10-2</i>)	
13R—10	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height (<i>including TIA 10-2</i>)	
30—15	Flammable and Combustible Liquids Code	
31—11	Installation of Oil-burning Equipment	
37—10	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines	
58—11	Liquefied Petroleum Gas Code	
70—14	National Electrical Code	
72—10	National Fire Alarm and Signaling Code	
85—07	Boiler and Construction Systems Hazards Code	
110—10	Standard for Emergency and Standby Power Systems	
111—10	Standard on Stored Electrical Energy Emergency and Standby Power Systems	
211—10	Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances	
259—08	Test Method for Potential Heat of Building Materials	
286—06	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	
501—05	Standard on Manufactured Housing	
853—10	Standard for the Installation of Stationary Fuel Cell Power Systems	

NFRC

National Fenestration Rating Council Inc.
8484 Georgia Avenue, Suite 320
Silver Spring, MD 20910

Standard reference number	Title	Referenced in code section number
100—10	Procedure for Determining Fenestration Product <i>U</i> -factors	
200—10	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence	
400—10	Procedure for Determining Fenestration Product Air Leakage	

PCA

Portland Cement Association
5420 Old Orchard Road
Skokie, IL 60077

Standard reference number	Title	Referenced in code section number
100—07	Prescriptive Design of Exterior Concrete Walls for One- and Two-family Dwellings (Pub. No. EB241)	

SMACNA

Sheet Metal & Air Conditioning Contractors National Assoc. Inc.
4021 Lafayette Center Road
Chantilly, VA 22021

Standard reference number	Title	Referenced in code section number
SMACNA—03	Fibrous Glass Duct Construction Standards (2003)	

TMS

The Masonry Society
3970 Broadway, Suite 201-D
Boulder, CO 80304

Standard reference number	Title	Referenced in code section number
302—07	Standard Method for Determining the Sound Transmission Class Rating for Masonry Walls	
402—08	Building Code Requirements for Masonry Structures	
602—08	Specification for Masonry Structures	

TPI

Truss Plate Institute
583 D'Onofrio Drive, Suite 200
Madison, WI 53719

Standard reference number	Title	Referenced in code section number
TPI 1—2007	National Design Standard for Metal-plate-connected Wood Truss Construction	

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062

Standard reference number	Title	Referenced in code section number
17—08	Vent or Chimney Connector Dampers for Oil-fired Appliances—with Revisions through September 1999	
58—96	Steel Underground Tanks for Flammable and Combustible Liquids—with Revisions through July 1998	
80—07	Steel Tanks for Oil-burner Fuel	
103—10	Factory-built Chimneys for Residential Type and Building Heating Appliances—with Revisions through June 2006	
127—08	Factory-built Fireplaces—with Revisions through November 2006	
174—04	Household Electric Storage Tank Water Heaters—with Revisions through November 2005	
181—05	Factory-made Air Ducts and Air Connectors—with Revisions through May 2003	
181A—05	Closure Systems for Use with Rigid Air Ducts and Air Connectors—with Revisions through December 1998	
181B—05	Closure Systems for Use with Flexible Air Ducts and Air Connectors—with Revisions through August 2003	
217—06	Single- and Multiple-station Smoke Alarms—with Revisions through January 2004	
263—03	Standards for Fire Test of Building Construction and Materials	
325—02	Standard for Door, Drapery, Gate, Louver and Window Operations and Systems—with Revisions through February 2006	
343—08	Pumps for Oil-burning Appliances—with Revisions through May 2002	
441—10	Gas Vents—with Revisions through August 2006	
508—99	Industrial Control Equipment—with Revisions through July 2005	
536—97	Flexible Metallic Hose—with Revisions through June 2003	
641—95	Type L, Low-temperature Venting Systems—with Revisions through August 2005	
651—05	Schedule 40 and Schedule 80 Rigid PVC Conduit and Fittings	
723—08	Standard for Test for Surface Burning Characteristics of Building Materials—with Revisions through May 2005	
726—95	Oil-fired Boiler Assemblies—with Revisions through March 2006	
727—06	Oil-fired Central Furnaces	
729—03	Oil-fired Floor Furnaces	
730—03	Oil-fired Wall Furnaces	
732—95	Oil-fired Storage Tank Water Heaters—with Revisions through February 2005	
737—07	Fireplaces Stoves—with Revisions through January 2000	
790—04	Standard Test Methods for Fire Tests of Roof Coverings	
795—06	Commercial-industrial Gas Heating Equipment	
834—04	Heating, Water Supply and Power Boilers-Electric	
896—93	Oil-burning Stoves—with Revisions through May 2004	
923—08	Microwave Cooking Appliances—with Revisions through February 2006	
959—01	Medium Heat Appliance Factory-built Chimneys—with Revisions through September 2006	
1040—96	Fire Test of Insulated Wall Construction—with Revisions through June 2001	
1256—02	Fire Test of Roof Deck Construction	
1261—01	Electric Water Heaters for Pools and Tubs—with Revisions through June 2004	
1453—04	Electronic Booster and Commercial Storage Tank Water Heaters	
1479—03	Fire Tests of Through-penetration Firestops	
1482—10	Solid-fuel-type Room Heaters—with Revisions through January 2000	
1715—97	Fire Test of Interior Finish Material—with Revisions through March 2004	
1738—10	Venting Systems for Gas-burning Appliances, Categories II, III and IV	
1777—07	Standard for Chimney Liners	
1995—05	Heating and Cooling Equipment	
2017—08	Standard for General-purpose Signaling Devices and Systems—with Revisions through June 2004	
2034—08	Standard for Single- and Multiple-station Carbon Monoxide Alarms	
2158A—10	Outline of Investigation for Clothes Dryer Transition Duct	
2200—12	Stationary Engine Generator Assemblies	

REFERENCED STANDARDS

ULC		Underwriters' Laboratories of Canada 7 Underwriters Road Toronto, Ontario, Canada M1R 3B4
Standard reference number	Title	Referenced in code section number
CAN/ULC S 102—10	Standard Methods for Test for Surface Burning Characteristics of Building Materials and Assemblies—with 2000 Revisions	

US-FTC		United States - Federal Trade Commission 600 Pennsylvania Avenue NW Washington, DC 20580
Standard reference number	Title	Referenced in code section number
CFR Title 16 Part 460	R-value Rule	

WDMA		Window & Door Manufacturers Association 1400 East Touhy Avenue, Suite 470 Des Plaines, IL 60018
Standard reference number	Title	Referenced in code section number
AAMA/WDMA/CSA 101/1.S.2/A440—08	Specifications for Windows, Doors and Skylights	