

SECTION 2—NORMATIVE REFERENCES

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

API Standard 620, *Design and Construction of Large, Welded, Low-Pressure Storage Tanks*

API Standard 2000, *Venting Atmospheric and Low-Pressure Storage Tanks: Non-refrigerated and Refrigerated*

API Specification 5L, *Specification for Line Pipe*

AAI¹, *Aluminum Design Manual*

AAI, *Aluminum Standards and Data*

AAI, *Specifications for Aluminum Sheet Metal Work in Building Construction*

ACI 318², *Building Code Requirements for Reinforced Concrete (ANSI/ACI 318)*

ACI 350, *Environmental Engineering Concrete Structures*

AISC³, *Design Guide 27, Structural Stainless Steel*

AISC, *Manual of Steel Construction*

ANSI/AISC 360⁴, *Specification for Structural Steel Buildings*

ASCE Standard 7-05⁵, *Minimum Design Loads for Buildings and Other Structures*

ASCE Standard 7-10, *Minimum Design Loads for Buildings and Other Structures*

ASME B1.20.1⁶, *Pipe Threads, General Purpose (Inch) (ANSI/ASME B1.20.1)*

ASME B16.1, *Cast Iron Pipe Flanges and Flanged Fittings (ANSI/ASME B16.1)*

ASME B16.5, *Pipe Flanges and Flanged Fittings (ANSI/ASME B16.5)*

ASME B16.21, *Nonmetallic Flat Gaskets for Pipe Flanges*

ASME B16.47, *Large Diameter Steel Flanges: NPS 26 Through NPS 60 (ANSI/ASME B16.47)*

ASME *Boiler and Pressure Vessel Code*, Section V, "Nondestructive Examination;" Section VIII, "Pressure Vessels," Division 1; and Section IX, "Welding and Brazing Qualifications"

ASNT CP-189⁷, *Standard for Qualification and Certification of Nondestructive Testing Personnel*

¹ Aluminum Association Inc., 1400 Crystal Drive, Suite 430, Arlington, Virginia 22202, www.aluminum.org

² American Concrete Institute, P.O. Box 9094, Farmington Hills, Michigan 48333, www.aci-int.org

³ American Institute of Steel Construction, One East Wacker Drive, Suite 700, Chicago, Illinois 60601, www.aisc.org

⁴ American National Standards Institute, 25 West 43rd Street, 4th Floor, New York, New York 10036, www.ansi.org

⁵ American Society of Civil Engineers, 1801 Alexander Bell Dr., Reston, Virginia 20191, www.asce.org

⁶ ASME International, 3 Park Avenue, New York, New York 10016-5990, www.asme.org

⁷ American Society for Nondestructive Testing, 1711 Arlinggate Lane, P.O. Box 28518, Columbus, Ohio 43228, www.asnt.org

ASNT RP SNT-TC-1A, *Personnel Qualification and Certification in Nondestructive Testing*

ASTM A6M/A6 ⁸, *General Requirements for Rolled Steel Plates, Shapes, Sheet Piling, and Bars for Structural Use*

ASTM A20M/A20, *General Requirements for Steel Plates for Pressure Vessels*

ASTM A27M/A27, *Steel Castings, Carbon, for General Application*

ASTM A36M/A36, *Structural Steel*

ASTM A53, *Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless*

ASTM A105M/A105, *Forgings, Carbon Steel, for Piping Components*

ASTM A106, *Seamless Carbon Steel Pipe for High-Temperature Service*

ASTM A131M/A131, *Structural Steel for Ships*

ASTM A181M/A181, *Forgings, Carbon Steel, for General-Purpose Piping*

ASTM A182M/A182, *Forged or Rolled Alloy-Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service*

ASTM A193M/A193, *Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service*

ASTM A194M/A194, *Carbon and Alloy Steel Nuts for Bolts for High-Pressure and High-Temperature Service*

ASTM A213M/A213, *Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes*

ASTM A216M/A216, *Standard Specifications for Steel Castings for High-Temperature Service*

ASTM A234M/A234, *Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High-Temperature Service*

ASTM A240M/A240, *Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels*

ASTM A276, *Stainless Steel Bars and Shapes*

ASTM A283M/A283, *Low and Intermediate Tensile Strength Carbon Steel Plates*

ASTM A285M/A285, *Pressure Vessel Plates, Carbon Steel, Low- and Intermediate-Tensile Strength*

ASTM A307, *Carbon Steel Bolts and Studs, 60,000 lbf/in.² Tensile Strength*

ASTM A312M/A312, *Seamless and Welded Austenitic Stainless Steel Pipes*

ASTM A320M/A320, *Alloy Steel Bolting Materials for Low-Temperature Service*

ASTM A333M/A333, *Seamless and Welded Steel Pipe for Low-Temperature Service*

ASTM A334M/A334, *Seamless and Welded Carbon and Alloy-Steel Tubes for Low-Temperature Service*

⁸ ASTM International, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428, www.astm.org.

ASTM A350M/A350, *Forgings, Carbon and Low-Alloy Steel, Requiring Notch Toughness Testing for Piping Components*

ASTM A351M/A351, *Castings, Austenitic, Austenitic-Ferritic (Duplex), for Pressure-Containing Parts*

ASTM A358M/A358, *Electric-Fusion-Welded Austenitic Chromium-Nickel Alloy Steel Pipe for High-Temperature Service*

ASTM A370, *Test Methods and Definitions for Mechanical Testing of Steel Products*

ASTM A380, *Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems*

ASTM A403M/A403, *Wrought Austenitic Stainless Steel Piping Fittings*

ASTM A420M/A420, *Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service*

ASTM A479M/A479, *Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels*

ASTM A480M/A480, *Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip*

ASTM A516M/A516, *Pressure Vessel Plates, Carbon Steel, for Moderate- and Lower-Temperature Service*

ASTM A524, *Seamless Carbon Steel Pipe for Atmospheric and Lower Temperatures*

ASTM A537M/A537, *Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel*

ASTM A573M/A573, *Structural Carbon Steel Plates of Improved Toughness*

ASTM A633M/A633, *Normalized High-Strength Low-Alloy Structural Steel*

ASTM A662M/A662, *Pressure Vessel Plates, Carbon-Manganese, for Moderate and Lower Temperature Service*

ASTM A671, *Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures*

ASTM A737M/A737, *Pressure Vessel Plates, High-Strength, Low-Alloy Steel*

ASTM A841M/A841, *Standard Specification for Steel Plates for Pressure Vessels, Produced by the Thermo-Mechanical Control Process (TMCP)*

ASTM A924M/A924, *General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process*

ASTM A992M/A992, *Steel for Structural Shapes for Use in Building Framing*

ASTM A1011M/A1011, *Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability*

ASTM C509, *Cellular Elastomeric Preformed Gasket and Sealing Material*

ASTM D3453, *Flexible Cellular Materials—Urethane for Furniture and Automotive Cushioning, Bedding, and Similar Applications*

ASTM F467, *Standard Specification for Nonferrous Nuts for General Use*

ASTM F467M, *Standard Specification for Nonferrous Nuts for General Use [Metric]*

ASTM F468, *Standard Specification for Nonferrous Bolts, Hex Cap Screws, and Studs for General Use*

ASTM F468M, *Standard Specification for Nonferrous Bolts, Hex Cap Screws, and Studs for General Use [Metric]*

ASTM F593, *Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs*

ASTM F594, *Standard Specification for Stainless Steel Nuts*

AWS A5.1⁹, *Specification for Carbon Steel Covered Arc-Welding Electrodes (ANSI/AWS A5.1)*

AWS A5.5, *Specification for Low-Alloy Steel Covered Arc-Welding Electrodes (ANSI/AWS A5.5)*

AWS D1.2, *Structural Welding Code—Aluminum (ANSI/AWS D1.2)*

CSA G40.21¹⁰, *Structural Quality Steels, Supplement to National Building Code of Canada*

EN 10025¹¹, *Hot Rolled Products of Structural Steels*

ISO 630¹², *Structural Steels*

ISO 9712, *Non-destructive testing – Qualification and certification of NDT personnel*

NFPA 11¹³, *Standard for Low Expansion Foam*

NFPA 30, *Flammable and Combustible Liquids Code*

U.S. Federal Specifications¹⁴, A-A-59588B, *Commercial Item Description: Rubber, Silicone*

U.S. Federal Specifications, TT-S-00230C, *Sealing Compound Elastomeric Type, Single Component for Caulking, Sealing, and Glazing in Buildings and Other Structures*

⁹ American Welding Society, 8669 N.W. 36th Street, No. 130, Miami, Florida 33166-6672, www.aws.org.

¹⁰ Canadian Standards Association, 5060 Spectrum Way, Suite 100, Mississauga, Ontario, L4W 5N6, Canada, www.csa.ca.

¹¹ European Committee for Standardization, Avenue Marnix 17, B-1000, Brussels, Belgium, www.cen.eu.

¹² International Organization for Standardization, 1, ch. de la Voie-Creuse, Case postale 56, CH-1211, Geneva 20, Switzerland, www.iso.org.

¹³ National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169-7471, www.nfpa.org.

¹⁴ Specifications Unit (WFSIS), 7th and D Streets, S.W., Washington, DC 20407.