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2.1 General.

The documents or portions thereof listed in this chapter are referenced within this standard and shall be considered part of the requirements of this document.

2.2 NFPA Publications.

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

- NFPA 11, Standard for Low-, Medium-, and High-Expansion Foam, 2024 edition.
- NFPA 14, Standard for the Installation of Standpipe and Hose Systems, 2024 edition.
- NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection, 2025 edition.
- NFPA 22, Standard for Water Tanks for Private Fire Protection, 2023 edition.
- NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2023 edition.
- NFPA 30, Flammable and Combustible Liquids Code, 2024 edition.
- NFPA 30B, Code for the Manufacture and Storage of Aerosol Products, 2023 edition.
- NFPA 32, Standard for Drycleaning Facilities, 2021 edition.
- NFPA 33, Standard for Spray Application Using Flammable or Combustible Materials, 2024 edition.
- NFPA 34, Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids, 2024 edition.
- NFPA 36, Standard for Solvent Extraction Plants, 2025 edition.
- NFPA 37, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines, 2024 edition.
- NFPA 40, Standard for the Storage and Handling of Cellulose Nitrate Film, 2025 edition.
- NFPA 45, Standard on Fire Protection for Laboratories Using Chemicals, 2024 edition.
- NFPA 51, Standard for the Design and Installation of Oxygen–Fuel Gas Systems for Welding, Cutting, and Allied Processes, 2023 edition.
- NFPA 51B, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work, 2024 edition.
- NFPA 55, Compressed Gases and Cryogenic Fluids Code, 2023 edition.
- NFPA 59, Utility LP-Gas Plant Code, 2024 edition.
- NFPA 59A, Standard for the Production, Storage, and Handling of Liquefied Natural Gas (LNG), 2023 edition.
- NFPA 70[®]. National Electrical Code[®]. 2023 edition.
- NFPA 72[®], National Fire Alarm and Signaling Code[®], 2025 edition.
- NFPA 75, Standard for the Fire Protection of Information Technology Equipment, 2024 edition.
- NFPA 76, Standard for the Fire Protection of Telecommunications Facilities, 2024 edition.
- NFPA 82, Standard on Incinerators and Waste and Linen Handling Systems and Equipment, 2024 edition.
- NFPA 86, Standard for Ovens and Furnaces, 2023 edition.
- NFPA 91, Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids, 2020 edition.

- NFPA 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, 2024 edition.
- NFPA 99, Health Care Facilities Code, 2024 edition.
- NFPA 101[®], Life Safety Code[®], 2024 edition.
- NFPA 120, Standard for Fire Prevention and Control in Coal Mines, 2023 edition.
- NFPA 122, Standard for Fire Prevention and Control in Metal/Nonmetal Mining and Metal Mineral Processing Facilities, 2023 edition.
- NFPA 130, Standard for Fixed Guideway Transit and Passenger Rail Systems, 2023 edition.
- NFPA 140, Standard on Motion Picture and Television Production Studio Soundstages, Approved Production Facilities, and Production Locations, 2024 edition.
- NFPA 150, Fire and Life Safety in Animal Housing Facilities Code, 2025 edition.
- NFPA 170, Standard for Fire Safety and Emergency Symbols, 2024 edition.
- NFPA 214, Standard on Water-Cooling Towers, 2021 edition.
- NFPA 259, Standard Test Method for Potential Heat of Building Materials, 2023 edition.
- NFPA 307, Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves, 2021 edition.
- NFPA 318, Standard for the Protection of Semiconductor Fabrication Facilities, 2025 edition.
- NFPA 400, Hazardous Materials Code, 2025 edition.
- NFPA 409, Standard on Aircraft Hangars, 2022 edition.
- NFPA 415, Standard on Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways, 2022 edition.
- NFPA 423, Standard for Construction and Protection of Aircraft Engine Test Facilities, 2022 edition.
- NFPA 701, Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2023 edition.
- NFPA 703, Standard for Fire-Retardant-Treated Wood and Fire-Retardant Coatings for Building Materials, 2024 edition.
- NFPA 750, Standard on Water Mist Fire Protection Systems, 2023 edition.
- NFPA 780, Standard for the Installation of Lightning Protection Systems, 2023 edition.
- NFPA 804, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants, 2020 edition.
- NFPA 805, Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants, 2020 edition.
- NFPA 909, Code for the Protection of Cultural Resource Properties Museums, Libraries, and Places of Worship, 2021 edition.
- NFPA 915, Standard for Remote Inspections and Tests, 2024 edition.
- NFPA 1960, Standard for Fire Hose Connections, Spray Nozzles, Manufacturer's Design of Fire Department Ground Ladders, Fire Hose, and Powered Rescue Tools. 2024 edition.

2.3 Other Publications.

2.3.1 ACI Publications.

- American Concrete Institute, 38800 Country Club Drive, Farmington Hills, MI 48331-3439.
- ACI 318, Building Code Requirements for Structural Concrete and Commentary, 2019, reapproved, 2022.
- ACI 355.2, Qualification of Post-Installed Mechanical Anchors in Concrete and Commentary, 2019.

2.3.2 ASCE Publications.

American Society of Civil Engineers, 1801 Alexander Bell Drive, Reston, VA 20191-4400.

ASCE/SEI 7, Minimum Design Loads and Associated Criteria for Buildings and Other Structures, 2022.

2.3.3 ASME Publications.

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

Boiler and Pressure Vessel Code, Section IX, "Welding, Brazing, and Fusing Qualifications," 2021.

ASME A17.1/CSA B44, Safety Code for Elevators and Escalators, 2022.

ASME B1.20.1, Pipe Threads, General Purpose, Inch, 2013 (R2018).

ASME B16.1, Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250, 2020.

ASME B16.3, Malleable Iron Threaded Fittings: Classes 150 and 300, 2021.

ASME B16.4, Gray Iron Threaded Fittings: Classes 125 and 250, 2021.

ASME B16.5, Pipe Flanges and Flanged Fittings: NPS ½ through NPS 24 Metric/Inch Standard, 2020.

ASME B16.9, Factory-Made Wrought Buttwelding Fittings, 2018.

ASME B16.11, Forged Fittings, Socket-Welding and Threaded, 2021.

ASME B16.15, Cast Copper Alloy Threaded Fittings: Classes 125 and 250, 2018.

ASME B16.18, Cast Copper Alloy Solder Joint Pressure Fittings, 2021.

ASME B16.22, Wrought Copper and Copper Alloy Solder — Joint Pressure Fittings, 2021.

ASME B16.25, Buttwelding Ends, 2017.

ASME B36.10M, Welded and Seamless Wrought Steel Pipe, 2018.

2.3.4 ASTM Publications.

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

ASTM A53/A53M, Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless, 2022.

ASTM A106/A106M, Standard Specification for Seamless Carbon Steel Pipe for High Temperature Service, 2019.

ASTM A135/A135M, Standard Specification for Electric-Resistance-Welded Steel Pipe, 2021.

ASTM A234/A234M, Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service, 2023.

ASTM A312/A312M, Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes, 2022.

ASTM A403/A403M, Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings, 2022.

ASTM A795/A795M, Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use, 2021.

ASTM B32, Standard Specification for Solder Metal, 2020.

ASTM B43, Standard Specification for Seamless Red Brass Pipe, Standard Sizes, 2020.

ASTM B75/B75M, Standard Specification for Seamless Copper Tube, 2020.

ASTM B88, Standard Specification for Seamless Copper Water Tube, 2022.

ASTM B251/B251M, Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube, 2017.

ASTM B446, Standard Specification for Nickel-Chromium-Molybdenum-Columbium Alloy (UNS N06625), Nickel-Chromium-Molybdenum-Silicon Alloy (UNS N06219), and Nickel-Chromium-Molybdenum-Tungsten Alloy (UNS N06625) Rod and Bar, 2019.

ASTM B813, Standard Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube, 2016.

ASTM B828, Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings, 2016.

ASTM C635/C635M, Standard Specification for Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings, 2022.

ASTM C636/C636M, Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels, 2019

ASTM E84, Standard Test Method for Surface Burning Characteristics of Building Materials, 2021.

ASTM E119, Standard Test Methods for Fire Tests of Building Construction and Materials, 2022.

ASTM E136, Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C, 2022.

ASTM E2652, Standard Test Method for Assessing Combustibility of Materials Using a Tube Furnace with a Cone-shaped Airflow Stabilizer, at 750°C, 2022.

ASTM E2768, Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test), reapproved 2018.

ASTM E2965, Standard Test Method for Determination of Low Levels of Heat Release Rate for Materials and Products Using an Oxygen Consumption Calorimeter, 2022.

ASTM F437, Standard Specification for Threaded Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80, 2021.

ASTM F438, Standard Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40, 2023.

ASTM F439, Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80, 2019.

ASTM F442/F442M, Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR), 2023.

ASTM F1121, Standard Specification for International Shore Connections for Marine Fire Applications, 1987, 2019.

ASTM SI 10, IEEE/ASTM SI 10 American National Standard for Metric Practice, 2016.

2.3.5 AWS Publications.

American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33166-6672.

AWS A5.8M/A5.8, Specification for Filler Metals for Brazing and Braze Welding, 2019.

AWS B2.1/B2.1M, Specification for Welding Procedure and Performance Qualification, 2021.

2.3.6 AWWA Publications.

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

AWWA C104/A21.4, Cement-Mortar Lining for Ductile-Iron Pipe and Fittings, 2023.

AWWA C105/A21.5, Polyethylene Encasement for Ductile-Iron Pipe Systems, 2018.

AWWA C110/A21.10, Ductile-Iron and Gray-Iron Fittings, 2021.

AWWA C111/A21.11, Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings, 2017.

AWWA C115/A21.15, Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges, 2020.

AWWA C150/A21.50, Thickness Design of Ductile-Iron Pipe, 2021.

AWWA C151/A21.51, Ductile-Iron Pipe, Centrifugally Cast, 2017, errata, 2018.

AWWA C153/A21.53, Ductile-Iron Compact Fittings, 2019.

AWWA C300, Reinforced Concrete Pressure Pipe, Steel-Cylinder Type, 2022.

AWWA C301, Prestressed Concrete Pressure Pipe, Steel-Cylinder Type, 2014, Reaffirmed without Revision 2019.

AWWA C302, Reinforced Concrete Pressure Pipe, Non-Cylinder Type, 2022.

AWWA C303, Reinforced Concrete Pressure Pipe, Bar-Wrapped, Steel-Cylinder Type, 2017.

AWWA C600, Installation of Ductile-Iron Water Mains and Their Appurtenances, 2017.

AWWA C602, Cement-Mortar Lining of Water Pipelines in Place, 4 in. (100 mm) and Larger, 2023.

AWWA C900, Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 in. Through 60 in. (100 mm Through 1,500 mm), 2022.

AWWA C906, Polyethylene (PE) Pressure Pipe and Fittings, 4 in. (100 mm) Through 65 in. (1,650 mm), for Waterworks, 2021.

AWWA C909, Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 in. Through 24 in. (100 mm Through 600 mm), for Water, Wastewater, and Reclaimed Water Service, 2022.

AWWA M9, Concrete Pressure Pipe, 2008, errata, 2014.

AWWA M23, PVC Pipe — Design and Installation, 2020.

AWWA M55, PE Pipe — Design and Installation, 2020.

2.3.7 ICC-ES Publications.

ICC Evaluation Service, 900 Montclair Road, Suite A, Birmingham, AL 35213.

ICC-ES AC446, Acceptance Criteria for Headed Cast-in Specialty Inserts in Concrete, 2018.

2.3.8 IEEE Publications.

IEEE Operations Center, 445 Hoes Lane, Piscataway, NJ 08854-4141.

IEEE 45, Recommended Practice for Electric Installations on Shipboard, 2002.

2.3.9 UL Publications.

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

UL 263, Fire Tests of Building Construction and Materials, 2011, revised 2022.

UL 723, Test for Surface Burning Characteristics of Building Materials, 2018.

UL 2556, Wire and Cable Test Methods, 2015, revised 2021.

2.3.10 US Government Publications.

US Government Publishing Office, 732 North Capitol Street, NW, Washington, DC 20401-0001.

Title 46, CFR, Parts 54.15-10 Safety and Relief Valves, 56.20 Valves, 56.20-5(a) Markings, 56.50-95 Overboard Discharges and Shore Connections, 56.60 Materials, and 58.01-40 Machinery, Angles of Inclination.

Title 46, CFR, Subchapter F, "Marine Engineering."

Title 46, CFR, Subchapter J, "Electrical Engineering."

2.3.11 Other Publications.

Merriam-Webster's Collegiate Dictionary, 11th edition, Merriam-Webster, Inc., Springfield, MA, 2020.

2.4 References for Extracts in Mandatory Sections.

NFPA 1, Fire Code, 2024 edition.

NFPA 14, Standard for the Installation of Standpipe and Hose Systems, 2024 edition.

NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection, 2025 edition.

NFPA 24, Standard for the Installation of Private Fire Service Mains and Their Appurtenances, 2025 edition.

NFPA 5000[®], Building Construction and Safety Code[®], 2024 edition.