

GENERALLY ACCEPTED STANDARDS
applicable to
STATE BUILDING CONSTRUCTION CODE

May 10, 1976

State of New York
Hugh L. Carey, Governor

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OVERSIZE
343.747
N532sbg
1976



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DIVISION OF HOUSING AND COMMUNITY RENEWAL
Two World Trade Center
New York, New York 10047

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FOREWORD

A generally accepted standard is defined in the State Building Construction Code as a specification, code, rule, guide or procedure in the field of construction, or related thereto, recognized and accepted as authoritative. The Code Manual for the State Building Construction Code indicates acceptable methods of compliance with performance requirements of the Code and therefore is acceptable as a generally accepted standard.

The standards are identified by symbols representing the name of the issuing or sponsoring organization or the general category or publications, the title of the standard, and its identification number, the last figures of which frequently indicate the year of issue. The names of the organizations, the abbreviations of their names, and the addresses where copies of the standards may be obtained, are listed herein.

The standards are arranged to correspond with parts 1,2,3,4, and 5 of the State Building Construction Code, relating, in that order to general provisions, space requirements, structural requirements, fire-safety requirements and equipment requirements.

This is the twentieth edition of the Generally Accepted Standards, superseding the edition dated January 1, 1975

May 10, 1976

ISSUING ORGANIZATIONS

AA The Aluminum Association
750 Third Avenue
New York, New York 10017

ACI American Concrete Institute
P.O. Box 19150, Redford Station
Detroit, Michigan 48219

ACIL American Council of Independent Laboratories, Inc.
1725 K Street, N.W.
Washington, D.C. 20006

AGA American Gas Association Laboratories
8501 East Pleasant Valley Road
Cleveland, Ohio 44131

AIA American Insurance Association
85 John Street
New York, New York 10038

AISC American Institute of Steel Construction, Inc.
1221 Avenue of the Americas
New York, New York 10020

AISI American Iron and Steel Institute
1000 16th Street, N.W.
Washington, D.C. 20036

AITC American Institute of Timber Construction
333 West Hampden Avenue
Englewood, Colorado 80110

ANSI American National Standards Institute, Inc.
1430 Broadway
New York, New York 10018

APA American Plywood Association
1119 A Street
Tacoma, Washington 98401

API American Petroleum Institute
1801 K Street N.W.
Washington, D.C. 20006

ASCE American Society of Civil Engineers
345 East 47th Street
New York, New York 10017

ASHRAE American Society of Heating, Refrigerating and Air-Conditioning
Engineers, Inc.
345 East 47th Street
New York, New York 10017

ASME American Society of Mechanical Engineers
345 East 47th Street
New York, New York 10017

ASTM	American Society for Testing and Materials 1916 Race Street Philadelphia, Pennsylvania 19103		
AWWA	American Water Works Association 6666 West Quincy Avenue Denver, Colorado 80235		
AWS	American Welding Society 2501 NW Seventh Street Miami, Florida 33125		
AWPA	American Wood Preservers' Association 1625 I Street NW Washington, D.C. 20006		
CISPI	Cast Iron Soil Pipe Institute 2029 K Street NW Washington, D.C. 20006		
CPAI	Canvas Products Association International 600 Endicott Building St. Paul, Minnesota 55101		
CS	Commercial Standards U.S. Department of Commerce National Bureau of Standards Office of Product Standards Washington, D.C. 20234		
DA*	Department of Agriculture		
DEC	Department of Environmental Conservation 50 Wolf Road Albany, N.Y. 12205		
DH	Department of Health, State of New York 84 Holland Avenue Albany, N.Y. 12208		
FCC*	Federal Communications Commission		
FMS	Factory Mutual System Factory Mutual Engineering Corporation 1151 Boston-Providence Turnpike Norwood, Massachusetts 02062		
FS*	Federal Supply Service Standardization Division General Services Administration		
H*	Handbooks, U.S. Department of Commerce National Bureau of Standards		
IC	Industrial Code Rules	or	Department of Labor
NYSDDL	Department of Labor		State of New York
	State of New York		Office of Administrative Director
	Business Administration Office		Building 12, State Campus
	Two World Trade Center		Albany, New York 12201
	New York, New York 10047		

MIL Military Specifications
Naval Supply Depot
5801 Tabor Avenue
Philadelphia, Pennsylvania 19111

NBBPVI National Board of Boiler and Pressure Vessel Inspectors
1155 North High Street
Columbus, Ohio 43201

NFPA National Fire Protection Association
470 Atlantic Avenue
Boston, Massachusetts 02110

NFor.PA National Forest Products Association
1619 Massachusetts Avenue NW
Washington, D.C. 20036

NAPHCC National Association of Plumbing, Heating, Cooling Contractors
1016 20th Street
Washington, D.C. 20036

NSF National Sanitation Foundation
Ann Arbor, Michigan 48160

PDI Plumbing Drainage Institute
1018 N. Austin Boulevard
Oak Park, Illinois 60302

PS and R Products Standards Section and Simplified Practice Recommendations
(See address under CS)

RCRBS Research Council on Riveted and Bolted Structural Joints
of the Engineering Foundation
345 East 47th Street
New York, New York 10017

SJI Steel Joist Institute
Suite 707, 2001 Jefferson Davis Highway, Crystal City Plaza
Arlington, Virginia

TPI Truss Plate Institute
7100 Baltimore Avenue
College Park, Maryland 20740

ULI Underwriters' Laboratories, Inc.
207 East Ohio Street or 1285 Melville Road
Chicago, Illinois 60611 Melville, New York 11746

*Standards are obtainable from the Superintendent of Documents,
U.S. Government Printing Office, Washington, D.C. 20402

Part I

Generally Accepted Standards
applicable to
General Provisions

TESTING LABORATORIES

- ASTM, Directory of Testing Laboratories, Commercial-Institutional
STP-333 C
ACIL, Directory, 1974

SAFETY DURING CONSTRUCTION AND DEMOLITION

- IC, Protection in Construction, Demolition and Excavation Operations
Industrial Code Rule No. 23 (12 NYCRR 23) as amended effective
August 1, 1973, Including Amendment Insert dated February 1, 1975

TEMPORARY HEAT DURING CONSTRUCTION

- ANSI, Safety Requirements for Temporary and Portable Space Heating Devices
and Equipment Used in the Construction Industry, A10.10-1970

Part 2

Generally Accepted Standards
applicable to
Space Requirements

- ANSI, Fixed Ladders, Safety Code for, A14.3-1974
ANSI, Specifications for Making Buildings and Facilities Accessible to,
and Usable by, the Physically Handicapped, A117.1-1961(Reaffirmed 1971)
ANSI, Performance Specifications and Methods of Test for Transparent
Safety Glazing Material Used in Buildings, Z97.1-1972
NFPA, Tents, Grandstands and Air-Supported Structures Used For Places of
Assembly, No. 102-1972
CPAI, Minimum Performance Standard For Single Wall Air-Supported Structures,
March 31, 1971 with Amendment No. 1, August 1, 1972
IC, Rules Relating to Sanitation, Industrial Code Rule No. 9, effective
October 1, 1947
NFPA, Aircraft Hangars, No. 409, 1973

Part 3

Generally Accepted Standards
applicable to
Structural RequirementsADHESIVES

- APA, Performance Specification for Adhesives for Field-Gluing Plywood to Wood Framing, AFG-01, 1971
- FS, Adhesive Casein-Type, Water and Mold Resistant, MMM-A-125C, 1969
FS, Adhesive, Urea-Resin-Type(Liquid and Powder), MMM-A-188C, 1975
MIL, Adhesive, Phenol and Resorcinol Resin Base (For Marine Service Use)
MIL-A-22397, 1960 with 1964 amendment.

AIR-SUPPORTED STRUCTURES

- CPAI Minimum Performance Standard for Single-Wall Air-Supported Structures, March 31, 1971 with Amendment No. 1, August 1, 1972

ALUMINUM

- AA, Aluminum Construction Manual, Specifications for Aluminum Structures, November, 1971

CONCRETE AND CONCRETE UNITS

- ACI, Building Code Requirements for Reinforced Concrete, ACI 318-63, or ACI 318-71 with 1974 Supplement
- ACI, Recommended Practice for Manufactured Reinforced Concrete Floor and Roof Units, ACI 512-67
- ACI, Minimum Requirements for Thin-Section Precast Concrete Construction, as Modified, ACI 525-63
- ACI, Recommended Practice for Shotcreting, ACI 506-66

FOUNDATIONS AND PILES

- ANSI, American Standard Building Code Requirements for Excavations and Foundations, A56.1-1952, Excluding Sections 5-6.1 and 5-1.3(f), Footnotes 1-5 inclusive
- ASCE, Pile Foundations and Pile Structures, Manual of Engineering Practice, No. 27, 1946
- ASTM, Specification for Round Timber Piles, D25-73e
- ASTM, Specification for Welded and Seamless Steel Piles, A252-75
- AWPA, Standards C1, C3 1974
- NFPA, Construction and Protection of Piers and Wharves, No. 87, 1971

MASONRY MATERIALS

- ANSI, Building Code Requirements for Masonry, A41.1-1953(Reaffirmed 1970)
- ANSI, Building Code Requirements for Reinforced Masonry, A41.2-1960 (Reaffirmed 1970)
- ANSI, Specifications for Gypsum Plastering, A42.1-1964
- ANSI, Specifications for Portland Cement-Lime Plastering, Exterior(Stucco) and Interior ,A42.2-1971
- ANSI, Specifications for Lathing and Furring for Portland Cement and Portland Cement-Lime Plastering(Stucco), and Interior, A42.3-1971

ANSI, Specifications for Interior Lathing and Furring, A42.4-1967
 ANSI, Specifications for Reinforced Gypsum Concrete, A59.1-1968 (1972)
 ASTM, Specification for Quicklime for Structural Purposes, C5-68 (1974)
 ASTM, Specification for Natural Cement, C10-73
 ASTM, Specification for Gypsum, C22-50 (1974)
 ASTM, Specification for Concrete Aggregates, C33-74a
 ASTM, Specification for Structural Clay Load-Bearing Wall Tile, C34-62 (1970)
 ASTM, Specification for Gypsum Partition Tile or Block, C52-54 (1972)
 ASTM, Specification for Concrete Building Brick, C55-75
 ASTM, Specification for Structural Clay Non-Load Bearing Tile, C56-71
 ASTM, Specification for Building Brick (Solid Masonry Units Made from Clay or Shale), C62-75
 ASTM, Specification for Calcium Silicate Facebrick (Sand-Lime Brick), C73-75
 ASTM, Specification for Hollow Load-Bearing Concrete Masonry Units, C90-75
 ASTM, Specification for Masonry Cement, C91-71e
 ASTM, Specification for Ready-Mixed Concrete, C94-74a
 ASTM, Specification for Hollow Non-Load Bearing Concrete Masonry Units, C129-75
 ASTM, Specification for Hydraulic Hydrated Lime for Structural Purposes, C141-67 (1972)
 ASTM, Specification for Aggregate for Masonry Mortar, C144-70
 ASTM, Specification for Solid Load-Bearing Concrete Masonry Units, C145-75
 ASTM, Specification for Portland Cement, C150-74
 ASTM, Specification for Blended Hydraulic Cements, C595-75
 ASTM, Specification for Hydrated Lime for Masonry Purposes, C207-74
 ASTM, Specification for Mortar for Unit Masonry, C270-73
 ASTM, Specification for Lightweight Aggregate for Structural Concrete, C330-75a

SHEATHING

ANSI, Specifications for the Application and Finishing of Wallboard, A97.1-1965
 ASTM, Specification for Gypsum Sheathing Board, C79-67 (1973)
 ASTM, Specifications for Gypsum Wallboard, C36-75
 FS, Insulation Board, Thermal and Insulation Block Thermal, LLL-I-535A(2) 1975

STEEL AND IRON

Design of Steel Structural Members

AISI, Specification for the Design of Cold-Formed Steel Structural Members, 1968, with Addendum No. 1, dated 1971
 AISI, Stainless Steel Cold-Formed Design Manual, 1974
 AISC, Specification for the Design, Fabrication and Erection of Structural Steel for Buildings, February 12, 1969, with Supplement No. 1, November 1, 1970, Supplement No. 2, December 8, 1971 and Supplement No. 3, June 12, 1974
 AISC-SJI, Standard Specifications and Load Tables for Longspan Steel Joists, LJ-Series and LH-Series, Deep Longspan Steel Joists, DLJ-Series and DLH-Series, October 1, 1974
 AISC-SJI, Standard Specifications and Load Tables for Open Web Steel Joists, J-Series and H-Series, October 1, 1974
 AWS, Structural Welding Code, AWS D1.1, 1975
 RCRBSJ, Specifications for Structural Joints using ASTM A325 or A490 Bolts, Approved by the Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation, May 8, 1974

Steel Material and Product Specifications

ASTM, Specification for Gray Iron Castings, A48-74
 ASTM, Specification for Welded and Seamless Steel Pipe, A53-75

WOOD

AITC, Inspection Manual, AITC 200-73, 201-73 and 202-73
 AITC, Standard Specification for Structural Glued Laminated Timber, AITC 117-74
 APA, Plywood Design Specifications and Supplements 1 through 4, 1974
 APA, Plywood Commercial/Industrial Guide, August 1975
 ASTM, Methods for Establishing Structural Grades and Related Allowable Properties for Visually Graded Lumber, D245-74
 ASTM, Methods of Conducting Strength Tests of Panels for Building Construction, E72-7a
 CS, Wood Shingles; Red Cedar, Tidewater Red Cypress, California Redwood CS31-52
 NFor.PA, National Design Specification for Stress-Grade Lumber and Its Fastenings, 1973
 NFor.PA, Supplement to National Design Specification for Stress-Grade Lumber and its Fastenings, April, 1973
 NFor.PA, Manual for House Framing, Wood Construction Data No. 1, 1970
 NFor.PA, Plank-and-Beam Framing for Residential Buildings, Wood Construction Data No. 4, 1970
 NFor.PA, Heavy Timber Construction Details, Wood Construction Data No. 5, 1974
 NFor.PA, Span Tables for Joists and Rafters, 1973
 NFor.PA, Wood Structural Design Data, 1970
 NFor.PA, Working Stresses for Joists and Rafters, April, 1973
 PS, American Softwood Lumber Standards, PS 20-70
 PS, Construction and Industrial Plywood, PS 1-74
 PS, Hardwood and Decorative Plywood, PS-51-71
 PS, Structural Glued Laminated Timber, PS 56-73
 TPI, Design Specifications for Light Metal Plate Connected Wood Trusses, TPI-74

Wood Treatment

AWPA, Standards for Pressure Treating Wood, 1975
 DA, Subterranean Termites, Their Prevention and Control in Buildings, Home and Garden Bulletin No. 64, revised January 1972
 FS, Primer, Coating, Exterior (Undercoat for Wood, Ready-Mixed, White and Tints), TT-P-25E-1974
 FS, Wood Preservation: Treating Practices, TT-W-571I(2) 1972 (AWPA specifications and instructions are referenced)

Flood Proofing for Flood Prone Areas

"Flood Proofing Regulations" - EP 1165 2 314 - June 1972
 Office of the Chief of Engineers, U.S. Army, Washington, D.C.

Part 4

Generally Accepted Standards
applicable to
Fire-Safety Requirements

EXITS AND ENCLOSURES

NFPA, Code for Safety to Life from Fire in Buildings and Structures, No. 101, 1973

EXPLOSION & HEAT VENTS

NFPA, Guide for Explosion Venting, No. 68-1974

NFPA, Guide for Smoke and Heat Venting, No. 204-1968

FIRE PREVENTION

AIA, Fire Prevention Code, 1970, excluding sections 14.4 thru 14.6

FIRE-RESISTANCE RATINGS

ASTM, Methods of Fire Tests of Building Construction and Materials, E119-73,
(NFPA No. 251-1973)

ASTM, Methods of Fire Tests of Door Assemblies, E152-73 (NFPA No. 252-1972)

NFPA, Methods of Fire Tests of Roof Coverings, No. 256-1970

NFPA, Roof Coverings, 203M-1970

NFPA, Fire Doors and Windows, No. 80-1974

ULI, Building Materials Directory, 1975

ULI, Fire Resistance Index, 1975

FMS, Factory Mutual System Approval Guide, 1975

FLAME-RESISTANT MATERIALS

ASTM, Method of Test For Noncombustibility, E-136-73

NFPA, Methods of Fire Tests for Flame-Resistant Textiles and Films, No. 701-1969

NFPA, Fire Retardant Treatments of Building Materials, No. 703-1961

AWPA, Fire Retardant Treatment, C20-1974, (Lumber), C27-1974 (Plywood)

FLAME SPREAD

ASTM, Method of Test for Surface Burning Characteristics of Building Materials,
E84-70 (NFPA No. 255-1972)

ASTM, Standard Method of Test for Flammability of Self-Supporting Plastics, D635-74

ASTM, Standard Method for Measuring the Density of Smoke from the Burning or
Decomposition of Plastics, D2843-70

FS, Sound Controlling Blocks & Boards (Acoustical Tiles & Panels, Prefabricated),
SS-S-118a(3), June 14, 1972

FIRE PROTECTION SYSTEMS

See part 5, page 11, Fire Protection Equipment

HAZARDOUS PROCESSES IN BUILDING

- ANSI, Prevention of Fire and Dust Explosion in Feed Mills, Z12.3-1974(NFPA No. 616-1973)
ANSI, Prevention of Dust Explosions in the Plastics Industry, Z12.16-1971
(NFPA No. 654-1970)
NFPA, Prevention of Dust Explosions in Industrial Plants, No. 63-1971
IC, Manufacturing, Handling and Storage of Military Pyrotechnics, Industrial
Code Rule No. 37 (12 NYCRR 37), effective June 1, 1943
NFPA, Pyroxylin Plastics in Factories No. 42-1967
NFPA, Pyroxylin Plastic Storage and Sale No. 43-1967
NFPA, Storage, Handling and Processing of Magnesium, No. 48-1974
NFPA, Production, Processing, Handling and Storage of Titanium, No. 481-1974

See also part 5 page 12, Flammable Liquids

SMOKE-DETECTING ALARM DEVICES

(Single-station, photoelectric or ionization type)

- NFPA, Household Fire Warning Equipment, No. 74-1974
FMS, Factory Mutual System Approval Guide, 1975
ULI, Fire Protection Equipment List, January, 1975

Part 5

Generally Accepted Standards
applicable to
Equipment Requirements

AIR POLLUTION

DEC, 6 NYCRR, Chapter III, Air Resources, excluding parts 215, 217 and 218
(Revised 1975)

CHIMNEYS, FLUES AND GAS VENTS

ANSI, Chimneys, Fireplaces and Vents, A52.1-1973 (NFPA No. 211-1972)
ANSI, Sizes of Clay Flue Linings, A62.4-1947

CONVEYORS AND LIFTS

Automotive Lifts

ANSI, Safety Requirements for Construction, Care and Use of Automotive Lifts,
B 153.1-1974

Conveyors

ANSI, Safety Standards for Conveyors and Related Equipment, B20.1-1972
ANSI, Safety Code for Mechanized Parking Garage Equipment, A113.1-1964
(Reaffirmed 1971)

Cranes, Derricks and Hoists

ANSI, Safety Code for Overhead and Gantry Cranes, B30.2.0-1967 (Partial
revision of B30.2-1943)

Industrial Lifts

CS, Industrial Lifts and Hinged Loading Ramps, CS 202-56 (errata 1960)

Manlifts

ANSI, Safety Standard for Manlifts, A90.1-1969, Including Supplement A90.1a-1972

ELECTRICAL WIRING AND EQUIPMENT

NFPA, National Electrical Code, No. 70-1975
ANSI, National Electrical Safety Code, American National Standard C2, 1973
ULI, Electrical Appliance and Utilization Equipment List, 1975
ULI, Hazardous Location Equipment List, 1975
ULI, Electrical Construction Materials List, 1975
DH, 10 NYCRR Chapter V (State Hospital Code), August, 1974

ELEVATORS, DUMBWAITERS AND ESCALATORS

ANSI, Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, A17.1-1971 with Supplements A17.1a-1972, 17.1b-1973, A17.1c-1974, A17.1d-1975, 17.1e-1975 and A17.1f-1975

ENGINES FOR EMERGENCY USE

ANSI, Installation and Use of Stationary Combustion Engines and Gas Turbines, B176.1-1974 (NFPA No. 37-1970)

FIRE PROTECTION EQUIPMENT

ANSI, Carbon Dioxide Extinguishing Systems, A54.1-1974 (NFPA No. 12-1973)
 ANSI, Water Spray Fixed Systems for Fire Protection, A54.2-1974 (NFPA No. 15-1973)
 ANSI, Safety Standard for Fire Detecting Thermostats, Z220.1-1971
 ANSI, Installation of Standpipe and Hose Systems, Z273.1-1974 (NFPA No. 14-1974)
 ANSI, Installation of Centrifugal Fire Pumps, Z227.1-1974 (NFPA No. 20-1974)
 ANSI, Foam Extinguishing Systems, Z286.1-1974 (NFPA No. 11-1974)
 FMS, Factory Mutual System Approval Guide, 1975
 IC, Automatic Fire Extinguishing Systems, Industrial Code Rule No. 20, (12 NYCRR 20) as amended, effective July 1, 1961, excluding Sections 20-1.10, 20-3.1, 20-3.2 and 20-3.3.
 NFPA, Sprinkler Systems, No. 13-1974
 NFPA, Outside Protection, No. 24-1973
 NFPA, Central Station Protective Signalling System for Guard, Fire Alarm, and Supervisory Service, No. 71-1974
 NFPA, Local Protective Signaling Systems for Watchman, Fire Alarm and Supervisory Service, No. 72A-1974
 NFPA, Auxiliary Protective Signaling Systems for Fire Alarm Service, No. 72B-1974
 NFPA, Remote Station Protective Signaling System for Fire Alarm and Supervisory Service, No. 72C-1974
 NFPA, Proprietary Protective Signaling Systems for Watchman, Fire Alarm and Supervisory Service, No. 72D-1974
 NFPA, Automatic Fire Detectors, No. 72E-1974
 NFPA, Household Fire Warning Equipment, No. 74-1974
 ULI, Fire Protection Equipment List, January, 1975, including quarterly supplements
 ULI, Building Materials Directory, January, 1975, including quarterly supplements
 ULI, Fire Resistance Index, January, 1975, including quarterly supplements

FLAMMABLE LIQUIDS (See also Oil-Fired Equipment)

- ANSI, Flammable and Combustible Liquids Code, Z288.1-1974(NFPA No. 30-1973)
 NFPA, Drycleaning Plants, No. 32-1974
 NFPA, Spray application Using Flammable and Combustible Materials, No. 33-1973
 NFPA, Dip Tanks Containing Flammable or Combustible Liquids, No. 34-1974
 NFPA, Storage of Flammable and Combustible Liquids on Farms and Isolated
 Construction Projects, No. 395-1972

Tanks for Flammable Liquids

- API, Recommended Rules for Design and Construction of Large, Welded, Low-
 Pressure Storage Tanks, STD 620, Fifth Edition, 1973
 API, Specification for Bolted Production Tanks, STD. 12B, Eleventh Edition,
 May, 1958
 API, Specification for Large Welded Production Tanks, STD. 12D, Seventh Edition,
 August, 1957
 API, Specification for Small Welded Production Tanks, STD. 12F, March, 1968
 API, Welded Steel Tanks for Oil Storage, STD 650, Fifth Edition, 1973
 ULI, Gas and Oil Equipment List, September, 1975, including quarterly supplements

GasesLiquified Flammable Gas

- ANSI, Storage and Handling of Liquified Petroleum Gases at Utility Gas Plants,
 Z106.2-1974 (NFPA No. 59-1974)
 ANSI, Production, Storage and Handling of Liquified Natural Gas, Z225.1-1972
 (NFPA No. 59A-1972)
 ASME, Boiler and Pressure Vessel Code, 1974; Section VIII-Pressure Vessels,
 Divisions 1 and 2
 NFPA, Storage and Handling of Liquified Petroleum Gases, No. 58, 1974

Other Hazardous Gases

- ANSI, Nonflammable Medical Gas System, MD4.1-1974 (NFPA 56F-1974)
 ANSI, Bulk Oxygen Systems at Consumer Sites, Z292.1-1974 (NFPA No. 50-1974)
 NFPA, Oxygen-Fuel Gas Systems for Welding and Cutting, No. 51-1974
 NFPA, Inhalation Anesthetics (Flammable and Non-flammable) No. 56A-1973

HEATING, VENTILATING, REFRIGERATION AND AIR CONDITIONING

- ANSI, Safety Code for Mechanical Refrigeration, B9.1-1971 (ASHRAE 15-70)
 ANSI, Installation of Air-Conditioning and Ventilating Systems, B144.2-1973
 (NFPA No. 90A-1974)
 ANSI, Installation of Air-Conditioning and Ventilating Systems B144.2-1973
 (NFPA No. 90A-1974)
 ANSI, Installation of Warm Air Heating and Air Conditioning Systems, B144.3-1973
 (NFPA No. 90B-1973)
 ASHRAE Handbook of Fundamentals, 1972
 ASHRAE Handbook and Product Directory: Equipment, 1975
 ASHRAE Handbook and Product Directory: Systems, 1973
 ASHRAE Handbook and Product Directory: Applications, 1974, excluding Sections III,
 IV and V
 NFPA, Parking Structures, No. 88 A-1973
 NFPA, Repair Garages, No. 88 B-1973
 NFPA, Vapor Removal from Commercial Cooking Equipment, No. 96-1973
 ULI, Electrical Appliance and Utilization Equipment List, including quarterly
 supplements

Boilers, Furnaces and Central Systems

- ANSI, Gas-Fired Low-Pressure Steam and Hot Water Boilers, Z21.13-1974
 ANSI, Gas-Fired Duct Furnaces, Z21.34-1971 with addenda Z21.34a-1973 and Z21.34b-1974
 ANSI, Gas-Fired Gravity and Forced Air Central Furnaces, Z21.47-1973 with addendum
 Z21.47a-1974
 ANSI, Gas-Fired Gravity and Fan Type Floor Furnaces, Z21.48-1973, with addendum
 Z21.48a-1974
 ANSI, Gas-Fired Gravity and Fan Type Vented Wall Furnaces, Z21.49-1972 with addenda
 Z 21.49a-1973 and Z21.49b-1974
 ASME, Boiler and Pressure Vessel Code, 1974
 Section I, Power Boilers
 Section IV, Heating Boilers
 Section VIII, Pressure Vessels, Division 1 and 2
 Section X, Fiberglass Reinforced Plastic Pressure Vessels
 IC, Boilers, Industrial Code Rule No. 4, (12 NYCRR 4) Effective March 31, 1965
 IC, Construction, Installation, Inspection and Maintenance of Steam Boilers,
 Industrial Code Rule No. 14 (12 NYCRR 14) as amended, effective November 18, 1958
 NFPA, Installation and Operation of Pulverized - Fuel Systems, No. 60-1973
 ULI, Gas and Oil Equipment List, September, 1975, including quarterly supplements

Gas-Fired Equipment (See also Piping Equipment and Systems)

- AGA, Directory of Certified Appliances and Accessories, July, 1975 (including
 monthly supplemental directories)
 ANSI, National Fuel Gas Code, Z223.1-1974 (NFPA No. 54-1974)
 ANSI, Gas Utilization Equipment in Large Boilers, Z83.3-1971 with addendum Z83.3a-1972

Miscellaneous Heating Equipment

- ANSI, Ovens and Furnaces, Design, Location and Equipment, Z294.2-1974 (NFPA No. 86A-1973)
 NBBPVI, Relieving Capacities of Safety Valves and Relief Valves, 1970 Second Edition,
 Reprint, 1973

Oil-Fired Equipment

- ANSI, Performance Requirements for Oil-Powered Central Furnaces Z91.1-1972
 ANSI, Safety Standard for Oil-Fired Central Furnaces, Z96.1-1973 (ULI 727-March, 1973)
 CS, Automatic Mechanical-Draft Oil Burners Designed for Domestic Installation,
 CS 75-56
 NFPA, Oil Burning Equipment, No. 31-1974
 ULI, Gas and Oil Equipment List, September, 1975, including quarterly supplements

INCINERATORS

NFPA, Incinerators and Rubbish Handling, No. 82-1972

LIGHTING

ANSI, Code for Safety to Life from Fire in Buildings and Structures, A9.1-1974
(NFPA No. 101-1973)

LIGHTNING PROTECTION

ANSI, Lightning Protection Code, C5.1-1969 (NFPA No. 78-1968)

PIPING EQUIPMENT AND SYSTEMS

ANSI, Power Piping, B31.1-1973, with Addenda B31.1a-1973, B31.1c-1973 and B31.1d-1974
ANSI, Fuel Gas Piping, B31.2-1968
ANSI, Refrigeration Piping, B31.5-1974
ANSI, Gas Transmission and Distribution Piping Systems, B31.8-1968 with supplement
B31.8b-1969
ANSI, National Fuel Gas Code, Z223.1-1974 (NFPA No. 54-1974)

PLUMBING (See pages 17 through 22 - Standards for Plumbing Materials)

General Design and Installation

NAPHCC, National Standard Plumbing Code, 1973, Chapters 1 through 15, and Appendices
A and B inclusive.

Drinking Water Supplies

DH, 10 NYCRR, Part 5 - Drinking Water Supplies (State Sanitary Code) Dec. 31, 1975
DH, 10 NYCRR, Part 72 - Drinking Water Standards, January 31, 1975

Swimming Pools

DH, Swimming Pools and Bathing Beaches, Bulletin 27
DH, 10 NYCRR, Part 6 - Swimming Pools and Bathing Beaches (State Sanitary Code)
December 31, 1975

Sewage Disposal Systems

DH, 10 NYCRR, Appendix 72-B, Individual Household Systems, Waste Treatment Handbook,
April 30, 1974

Equipment for Hospitals, Nursing Homes and Other Medical Care Facilities

DH 10 NYCRR, Chapter V (State Hospital Code), November 30, 1975

Tanks, Water Supply

- AWWA, Standard for Steel Tanks - Standpipes, Reservoirs, and Elevated Tanks for Water Storage D100-73
NFPA, Water Tanks for Private Fire Protection, No. 22-1971

STATIC ELECTRICITY

- ANSI, Specifications for Nonspark Conductive Oxychloride Composition Flooring and Its Installation, A88.9-1955
NFPA, Static Electricity, No. 77-1972

TANKS (See Flammable Liquids and Plumbing)

VENTING: Explosion, Smoke and Heat

- NFPA, Explosion Venting Guide, No. 68-1974
NFPA, Smoke and Heat Venting Guide, No. 204-1968

WINDOW CLEANING EQUIPMENT

- ANSI, Safety Requirements for Window Cleaning, A39.1-1969
IC, Protection of Persons Employed at Window Cleaning - Structural Requirements, Equipment and Procedures, Industrial Code Rule No. 21 (12 NYCRR) as amended, effective October 1, 1966
NYS DL, Advisory Standards for Construction, Operation and Maintenance of Suspended Scaffolds used for Window Cleaning and Light Maintenance, AS 101, effective May 23, 1973

X-RAY AND GAMMA RAY RADIATION

- DH, Ionizing Radiation, Part 16, State Sanitary Code, September 1974
H, Protection Against Radiations from Sealed Gamma Sources, NBS Handbook H73, 1960
H, Medical X-Ray and Gamma Ray Protection up to Three Million Volts, NBS Handbook H 76, 1961 with 1964 Addendum
H, Safe Handling of Radioactive Materials, NBS Handbook H 92, 1964
IC, Radiation Protection, Industrial Code Rule No. 38, (12 NYCRR 38) as amended, effective September 1, 1971
NFPA, Fire Protection Practice for Facilities Handling Radioactive Materials, No. 801-1970

High Frequency Radiation

- FCC, Rules Governing Industrial, Scientific and Medical Equipment, Volume II, Part 18 September, 1972 (CC1.6/2 1972)

TABLE P 603 -- STANDARDS FOR PLUMBING MATERIALS (Revised May 10, 1976)
 (This table is cited in section P 603 of the STATE BUILDING CONSTRUCTION CODE APPLICABLE TO PLUMBING
 and presents the latest edition of applicable generally accepted standards for plumbing materials).

Materials	ANSI	ASTM	FS	Other Standards
Plumbing fixtures:				
Drinking-water coolers, self-contained, mechanically refrigerated.....	A112.11.1-1973	None	None	ARI 1010-73
Enameled cast-iron plumbing fixtures.....	A112.19.1-1973	None	None	None
Finished and rough brass plumbing fixture fittings.....	A112.18.1-1971	None	None	None
Formed metal porcelain enameled sanitary ware.....	None	None	None	PS5-66
Plastic bathtub units.....	Z124.1-1974	None	None	None
Gel-coated glass-fiber reinforced polyester resin shower receptor and shower stall units.....	Z124.2-1967	None	None	None
Plumbing fixtures, land use....	None	None	WW-P-541D-1971	None
Stainless steel plumbing fixtures for residential use.....	None	None	None	CS243-62
Vitreous china plumbing fixtures.....	A112.19.2-1973	None	None	None
Stills, water; portable (without heating device) for U.S.P. "distilled water".....	None	None	RR-S-726(1)1950	None
Supports for off-the-floor plumbing fixtures for public use.....	A112.6.1-1972	None	None	None

TABLE P 603 -- STANDARDS FOR PLUMBING MATERIALS (Revised May 10, 1976)

(Continued from page 16)

Materials	ANSI	ASTM	FS	Other Standards
Ferrous pipe and fittings:				
Cast-iron soil pipe and fittings, extra heavy and service weight.....	A112.5.1-1973	(A74-72)	None	None
Cast-iron water pipe, cast in metal molds.....	A21.6-1975	None	None	(AWWA C106-75)
Cast-iron water pipe, cast in sand lined molds.....	A21.8-1975	None	None	(AWWA C108-75)
Cast-iron water pipe fittings.....	A21.10a-1972	None	None	(AWWA C110a-1972)
Cast-iron water pipe (2").....	A21.12-1971	None	None	(AWWA C112-71)
Cast-iron (threaded) pipe.....	A40.5-1943	None	None	None
Cast-iron (threaded) fittings.....	B16.4-1971	None	None	None
Cast-iron (threaded) drainage fittings.....	B16.12-1971	None	None	None
Hubless cast-iron sanitary system with No-Hub pipe and fittings.....	None	None	None	CISPI 301-72
Malleable iron fittings (threaded), 150 lb.....	B16.3-1971	None	None	None
Nipples, pipe, threaded.....	None	None	WW-N-351B(1)1970	None
Pipe fittings---bushings, locknuts and plugs; iron and steel (threaded), 125-150 lb.....	None	None	WW-P-471B-1970	None
Steel pipe(seamless and welded, black and zinc coated) (galvanized).....	B125.2-1972	(A120-73)	None	None
Unions, pipe, steel or malleable iron.....	None	None	WW-U-531D-1973	None
Valves, gate, cast-iron, threaded and flanged, 125-250 lb.....	None	None	WW-V-588-1971	None

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TABLE P 603 -- STANDARDS FOR PLUMBING MATERIALS (Revised May 10 1976)
 (Continued from page 17)

Materials	ANSI	ASTM	FS	Other Standards
Nonferrous metallic pipe and fittings:				
Brass pipe.....	None	B43-74a	None	None
Brass tube.....	None	B135-74	None	None
Bronze flanges and flanged fittings, 150 & 300 lb.....	B16.24-1971	None	None	None
Cast bronze fittings for flared copper tube.....	B16.26-1975	None	None	None
Cast bronze screwed fittings, 125 & 250 lb.....	B16.15-1971	None	None	None
Cast bronze solder-joint drainage fittings, DWV.....	B16.23-1969	None	None	None
Cast bronze solder-joint pressure fittings.....	B16.18-1972	None	None	None
Copper drainage tube, type DWV.....	None	B306-74b	None	None
Copper pipe, standard sizes.....	None	B42-74b	None	None
Copper pipe, threadless.....	None	B302-74a	None	None
Copper water tube, types K, L & M.....	None	B88-74a	None	None
Copper-plated stainless steel water, DWV tube, type TP 430.....	None	A651-71, B254-70	None	None
Lead pipe, bends and traps.....	None	None	WW-P-325A-1967	None
Unions, pipe; brass or bronze, 250 lb.....	None	None	WW-U-516A-1967	None
Valves, ball.....	None	None	WW-V-35B-1973	None
Valves, bronze; gate.....	None	None	WW-V-54D-1974	None
Valves, bronze; angle, check and globe; screwed, flanges, solder; 125, 150 & 200 lb.....	None	None	WW-V-51E-1974	None
Wrought copper and bronze solder-joint pressure fittings.....	B16.22-1973	None	None	None
Wrought copper and wrought copper alloy solder joint drainage fittings.....	B16.29-1973	None	None	None

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 TABLE P 603 -- STANDARDS FOR PLUMBING MATERIALS (Revised May 10 1976)
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Materials	ANSI	ASTM	FS	Other Standards
Nonmetallic pipe and fittings (Other than plastics):				
Asbestos-cement pipe, nonpressure (sewer).....	None	C644-74	None	None
Asbestos-cement pipe, pressure (water).....	None	None	None	AWWA C400-75
Asbestos-cement pipe, perforated.....	None	C508-73	None	None
Bituminized-fiber pipe, homogeneous (sewer)	None	D1861-73	None	None
Bituminized-fiber pipe, homogenous, perforated.....	None	D2311-73	None	None
Bituminized-fiber pipe, laminated-wall (sewer).....	None	D1862-73	None	None
Bituminized-fiber pipe, laminated-wall, perforated.....	None	D2313-73	None	None
Concrete pipe, nonreinforced (sewer).....	None	C14-74	None	None
 Plastic pipe, fittings and solvent cements:				
Acrylonitrile-butadiene-styrene (ABS) plastic pipe, schedules 40 and 80.....	None	D1527-73a	None	NSF 14
Acrylonitrile-butadiene-styrene (ABS) plastic pipe fittings, socket-type, schedule 40.....	None	D2468-73	None	NSF 14
Acrylonitrile-butadiene-styrene (ABS) plastic pipe fittings, socket-type, schedule 80.....	None	D2469-73	None	NSF 14
Acrylonitrile-butadiene-styrene (ABS) plastic pipe fittings, threaded, schedule 80.....	None	D2465-73	None	NSF 14
Acrylonitrile-butadiene-styrene (ABS) plastic pipe, (SDR-PR and Class T).....	None	D2282-73a	None	NSF 14
Acrylonitrile-butadiene-styrene (ABS) plastic Drain, waste and vent pipe and fittings.....	None	D2261-74	None	NSF 14

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Materials	ANSI	ASTM	FS	Other Standards
Plastic pipe, fittings and solvent cements (con't)				
Plastic insert fittings for polyethylene plastic pipe....	None	D2609-73	None	NSF 14
Polyethylene (PE) plastic pipe, schedules 40 and 80 based on outside diameter.....	None	D2447-74	None	NSF 14
Polyethylene (PE) plastic pipe (SDR-PR).....	None	D2239-74	None	NSF 14
Polyvinyl chloride (PVC) plastic pipe, schedules 40, 80 and 120.....	None	D1785-74	None	NSF 14
Polyvinyl chloride (PVC) plastic pipe fittings, socket-type, schedule 40.....	None	D2466-74	None	NSF 14
Polyvinyl chloride (PVC) plastic pipe fittings, socket-type, schedule 80.....	None	D2467-74	None	NSF 14
Polyvinyl chloride (PVC) plastic pipe fittings, threaded, schedule 80.....	None	D2464-74	None	NSF 14
Polyvinyl chloride (PVC) plastic pipe, (SDR-PR and Class T)	None	D2241-74	None	NSF 14
Polyvinyl chloride (PVC) plastic drain, waste and vent pipe and fittings.....	None	D2665-74	None	NSF 14
Solvent cement for acrylonitrile-butadiene styrene (ABS) plastic pipe and fittings.....	None	D2235-73	None	NSF 14
Solvent cements for polyvinyl chloride (PVC) plastic pipe and fittings.....	None	D2564-73a	None	NSF 14

Materials	ANSI	ASTM	FS	Other Standards
Miscellaneous materials:				
Air gap standards..	A112.1.2-1942	None	None	None
Anti-siphon vacuum breakers, pipe-applied atmospheric type.....	A112.1.1-1971	None	None	(ASSE 1001-1970)
Brass cleanout plugs.....	None	A74-72	None	None
Caulking lead, type 1.....	None	None	QQ-C-40(2)-1970	None
Cement lining for cast iron pipe and fittings for water.....	A21.4-1974	None	None	(AWWA C104-74)
Coal-tar enamel, protective coating for steel water pipe.....	None	None	None	AWWA C203-73
Compression joints for vitrified clay bell and spigot pipe.....	None	C425-74	None	None
Floor drains.....	A112.21.1-1968	None	None	None
Grease interceptors.....	None	None	None	PDI G101
Hangars and supports, pipe.....	None	None	WW-H-171D-1970	None
Hose clamps.....	None	None	WW-C440B(2)-1973	None
Plumbing fixture setting compound.....	None	None	TT-P-001536-1968	None
Relief valves and automatic gas shutoff devices for hot water supply systems.....	Z21.22-1971	None	None	None
addenda.....	Z21.22a-1972	None	None	None
Roof drains.....	A112.21.2-1971	None	None	None
Rubber gaskets for cast iron soil pipe and fittings....	None	C564-70	None	None

TABLE P 603 -- STANDARDS FOR PLUMBING MATERIALS (Revised May 10, 1976)

(Continued from page 21)

Materials	ANSI	ASTM	FS	Other Standards
Miscellaneous materials (continued)				
Rubber gaskets (concrete sewer pipe).....	None	C443-74	None	None
Rubber rings for asbestos-cement pipe.....	None	D1869-72	None	None
Sheet copper.....	None	B152-74a	None	None
Sheet lead, grade A.....	None	None	QQ-L-201F(2)-1970	None
Soft solder.....	None	None	QQ-S-571E-1972	None
Water hammer arresters.....	A112.26.1-1969	None	None	None
Water heaters, automatic storage type.....	Z21.10.1-1974	None	None	None
Water heaters, automatic storage type, addenda.....	A21.10.1a,b-1972	None	None	None
Water heaters, instantaneous.....	None	None	WW-H-191B-1970	None
Water meters, cold, displacement type.....	None	None	None	AWWA C700-71
Water meters, cold current type.....	None	None	None	AWWA C701-70
Water meters, cold, compound type.....	None	None	None	AWWA C702-70



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