

GENERALLY ACCEPTED STANDARDS APPLICABLE TO
STATE BUILDING CONSTRUCTION CODE

by

New York (State) Executive Dept.
Division of Housing and Community Renewal.
Housing and Building Codes Bureau

DOES
NOT
CIRCULATE

r
OVERSIZE
343.747
N532sbg
1968

4-23-68

C 4

Rochester Public Library
Reference Book
Not For Circulation





GENERALLY ACCEPTED STANDARDS
" "
applicable to
STATE BUILDING CONSTRUCTION CODE

New York (State) Executive Dept.
"Division of Housing and
Community Renewal, Housing
and Building Codes Bureau

January 2, 1968

State of New York

Nelson A. Rockefeller, Governor

gw 69 0
N532 h
1968

EXECUTIVE DEPARTMENT
DIVISION OF HOUSING AND COMMUNITY RENEWAL
393 Seventh Avenue
New York, New York 10001

STATE BUILDING CODE COUNCIL

James Wm. Gaynor, Chairman
Allen L. Cobb, P.E.
James N. De Serio, P.E.
Donald Q. Faragher, R.A.
Charles F. Haring, Jr.
Thomas A. Murphy
James A. Norris, Sr., P.E.

HOUSING AND BUILDING CODES BUREAU

Fred Mayglothling, P.E.
Director

Morris Bengal, P.E.
Acting Assistant Director

Technical Staff

Jacob Birgy, P.E.....	Associate Building Structural Engineer
Frank A. Czop, R.A.....	Associate Architect
Fred L. Kessner, P.E.....	Associate Building Electrical Engineer
Louis S. Nielsen, P.E.....	Associate Plumbing Engineer
Benedict J. Russo, P.E.....	Associate Building Construction Engineer
Boris E. Lewicky, P.E.....	Senior Building Structural Engineer
Bennett Selekof, P.E.....	Senior Building Mechanical Engineer
Martin Shalita, P.E.....	Senior Building Construction Engineer
William J. Frye.....	Senior Engineering Technician

Field Engineers

Donald A. Dixon, P.E.....	Senior Building Construction Engineer
Robert H. Rosenberg, P.E.....	Senior Building Construction Engineer
Thomas R. Trainer, P.E.....	Senior Building Construction Engineer
Eugene J. Malone, Sr.....	Assistant Building Construction Engineer
Leonard C. Bacon.....	Building Code Field Representative
Thomas M. Murphy.....	Housing Code Field Representative

FOREWARD

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 standards are identified by symbols representing the name of the issuing or sponsoring organization or the general category of 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.

Included under "Plumbing" is a table entitled, "Standards for Plumbing Materials, which is the latest revision of table P 603 of the "State Building Construction Code applicable to Plumbing", dated December 1, 1964.

This is the thirteenth edition of the Generally Accepted Standards; earlier editions were issued on December 15, 1953, January 30, 1956, March 1, 1957, March 31, 1958, May 1, 1959, December 1, 1959, July 1, 1961, July 1, 1962, August 1, 1963, October 1, 1964, November 1, 1965, and November 1, 1966.

January 2, 1968

ISSUING ORGANIZATIONS

AA The Aluminum Association,
420 Lexington Avenue, New York, New York 10017

ACI American Concrete Institute,
P.O. Box 4754, Redford Station, Detroit, Michigan 48219

AGA American Gas Association Laboratories,
1032 East 62nd Street, Cleveland, Ohio 44103

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

AISC American Institute of Steel Construction, Inc.
101 Park Avenue, New York, New York 10017

AISI American Iron and Steel Institute,
150 East 42nd Street, New York, New York 10017

APA American Plywood Association,
Tacoma, Washington 98401

API American Petroleum Institute,
1271 Avenue of the Americas, New York, New York 10020

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 3, Pennsylvania

AWWA American Water Works Association,
2 Park Avenue, New York, New York 10016

AWPA American Wood Preservers' Association,
Suite 710 1707 L Street, N.W., Washington, D.C. 20036

CS* Commerical Standards, U.S. Department of Commerce,
National Bureau of Standards
Office of Product Standards
Washington, D.C. 20234

DA* Department of Agriculture,
Washington, D.C. 20250

DH Department of Health, New York State,
84 Holland Avenue, Albany, New York 12208

FCC* Federal Communications Commission,
Washington, D. C. 20554

FMS Factory Mutual System,
Factory Mutual Engineering Corporation,
1151 Boston-Providence Turnpike, Norwood, Mass. 02062

FS* Federal Supply Service, Standardization Division,
General Services Administration, Washington, D. C. 20406

H* Handbooks, U.S. Department of Commerce,
National Bureau of Standards, Washington, D. C. 20234

IC Industrial Code Rules,
New York State Department of Labor,
Business Administration Office,
80 Centre Street, New York, New York 10013
or
New York State Department of Labor, Office of Administrative
Director, Building 12, State Campus,
Albany, New York

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,
60 Batterymarch Street, Boston, Massachusetts 02110

NFPAssn. National Forest Products Association,
1619 Massachusetts Avenue, N.W., Washington, D. C. 20036

PS* Product Standards,
U.S. Department of Commerce
(See address under CS)

R* Simplified Practice Recommendations, U.S. Department of Commerce,
National Bureau of Standards,
Office of Product Standards,
Washington, D. C. 20234

SJI Steel Joist Institute,
1346 Connecticut Avenue, N.W., Washington, D. C. 20036

ULI Underwriters' Laboratories, Inc.
207 East Ohio Street, Chicago, Illinois 60611
or
Walt Whitman Road, Melville, New York 11749
or
1655 Scott Blvd., Santa Clara, California 95050

USAS United States of America Standards Institute
10 East 40 Street, New York, New York 10016

Part 1

Generally Accepted Standards
applicable to
General Provisions

SAFETY DURING CONSTRUCTION AND DEMOLITION

IC, Protection of Persons Employed in Construction and Demolition
Work, Industrial Code Rule No. 23, 1962 with 1963 amendments

Part 2

Generally Accepted Standards
applicable to
Space Requirements

NFPA, Tents, Grandstands and Air-Supported Structures used for Places of
Assembly, No. 102-1967, excluding Section 6

NFPA, Construction and Protection of Aircraft Hangars, No. 409, 1967

IC, Rules Relating to Sanitation, Industrial Code Rule No. 9, 1947

USAS, Performance Specifications and Methods of Test for Transparent
Safety Glazing Material Use in Buildings, Z 97.1-1966

Part 3

Generally Accepted Standards
applicable to
Structural Requirements

ADHESIVES

FS, Adhesive, Casein-Type, Water-and Mold-Resistant, MMM-A-125b, 1964
FS, Adhesive, Urea-Resin-Type (Liquid and Powder), MMM-A-188b, 1960
MIL, Adhesive, Phenol and Resorcinol Resin Base (for Marine Service Use)
MIL-A-22397, 1960 with 1964 amendment

ALUMINUM

AA, Aluminum Construction Manual, Section A, Specifications for Structures
of Aluminum Alloys, 1963

CONCRETE AND CONCRETE UNITS

ACI, Building Code Requirements for Reinforced Concrete, ACI 318-63
ACI, Minimum Standard Requirements for Precast Concrete Floor and Roof
Units, ACI 711-58
ASTM Various Specifications as listed in Section 410 of Building Code
Requirements for Reinforced Concrete, ACI 318-63

FOUNDATIONS AND PILES

USAS, Building Code Requirements for Excavations and Foundations,
A56.1-1952, excluding Section 5-1.3(f), note 5
ASCE, Pile Foundations and Pile Structures, Manual of Engineering
Practice, No. 27, 1946
NFPA, Construction and Protection of Piers and Wharves, No. 87, 1963
AISI, Pile Foundations, 1963, sections 3.4.2(a), 4, 5.1, and 5.2 only

MASONRY MATERIALS

USAS, Building Code Requirements for Masonry, A41.1-1953
USAS, Specifications for Gypsum Plastering, A42.1-1964
USAS, Specifications for Portland Cement Stucco, A42.2-1946
USAS, Specifications for Interior Lathing and Furring, A42.4-1955
USAS, Specifications for Reinforced Gypsum Concrete, A59.1-1954
USAS, Specifications for the Application and Finishing of Wallboard,
A97.1-1965
ASTM, Specifications for Quicklime for Structural Purposes, C 5-59

ASTM, Specifications for Natural Cement, C 10-64
ASTM, Specifications for Gypsum, C 22-50
ASTM, Specifications for Concrete Aggregates, C 33-67
ASTM, Specifications for Structural Clay Load-Bearing Wall Tile, C 34-62
ASTM, Specifications for Gypsum Wallboard, C 36-67
ASTM, Specifications for Gypsum Partition Tile or Block, C 52-54
ASTM, Specifications for Concrete Building Brick, C 55-66T
ASTM, Specifications for Structural Clay Non-Load-Bearing Tile C 56-62
ASTM, Specifications for Building Brick (Solid Masonry Units from
Clay or Shale), C 62-66
ASTM, Specifications for Calcium Silicate Facebrick, C 73-67
ASTM, Specifications for Hollow Load-Bearing Concrete Masonry Units,
C 90-66T
ASTM, Specifications for Masonry Cement, C 91-67
ASTM, Specifications for Ready-Mixed Concrete, C 94-67
ASTM, Specifications for Hollow Non-Load-Bearing Concrete Masonry
Units, C 129-64T
ASTM, Specifications for Hydraulic Hydrated Lime for Structural
Purposes, C 141-67
ASTM, Specifications for Aggregate for Masonry Mortar, C 144-66T
ASTM, Specifications for Solid Load-Bearing Concrete Masonry Units,
C 145-66T
ASTM, Specifications for Portland Cement, C 150-67
ASTM, Specifications for Air-Entraining Portland Cement, C 175-67
ASTM, Specifications for Hydrated Lime for Masonry Purposes, C 207-49
ASTM, Specifications for Mortar for Unit Masonry, C 270-64T
ASTM, Specifications for Lightweight Aggregates for Structural Concrete,
C 330-64T

SHEATHING

ASTM, Specification for Gypsum Sheathing Board, C 79-67
FS, Insulation Board, Thermal and Insulation Block, Thermal,
LLL-I-535 (1), 1962

SIGNS AND OUTDCOR DISPLAY STRUCTURES

USAS, Building Code Requirements for Signs and Outdoor Display
Structures, A60.1-1949

STEEL AND IRON

Formed Steel

AISI, Specifications for the Design of Light Gage Cold-Formed Steel
Structural Members, 1962

Reinforcement for Concrete

Reinforcement (ASTM Specifications) as listed in Building Code Requirements
for Reinforced Concrete, ACI 318-63, Sections 405 and 410

Structural Steel and Iron

- AISC, Specification for the Design, Fabrication and Erection of Structural Steel for Buildings, adopted April, 1963
- AISC, Specifications for Structural Joints using ASTM-A325 or A 490 Bolts, Approved by the Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation, September, 1966
- ASTM, Specification for Gray Iron Castings, A 48-64
- ASTM, Specification for Welded and Seamless Steel Pipe, A 53-67
- ASTM, Specifications for Welded Wrought-Iron Pipe, A 72-66
- ASTM, Specifications for Welded and Seamless Steel Pipe Piles, A 252-63T
- SJI, Standard Specifications and Load Tables-Open Web Steel Joists, 1967

WOOD

- APA, Plywood Design Specifications, Nov. 1966
- ASTM, Methods for Establishing Structural Grades of Lumber, D 245-64T
- ASTM, Methods of Conducting Strength Tests of Panels for Building Construction, E 72-61
- CS, Wood Shingles: Red Cedar, Tidewater Red Cypress, California Redwood, CS 31-52
- CS, Hardwood Plywood, CS 35-61
- CS, Structural Glued Laminated Timber, CS 253-63
- NFPAssn. National Design Specification for Stress-Grade Lumber and Its Fastenings, 1962
- NFPAssn. Working Stresses for Stress-Grade Lumber, Supplement No. 1, 1967, to Wood Structural Design Data, Vol. 1, 1957
- NFPAssn. Plank-and-Beam Framing for Residential Buildings, Wood Construction Data No. 4, 1961
- NFPAssn. Heavy Timber Construction Details, Wood Construction Data No. 5, 1961
- PS, U.S. Product Standard PS-1-66 for Softwood Plywood

Wood Treatment

- DA, Subterranean Termites, Their Prevention and Control in Buildings, Home and Garden Bulletin No. 64, January 1960
- FS, Primer, Paint, Exterior (Undercoat for Wood, Ready-Mixed, White and Tints), TT-P-25c, 1965
- FS, Wood Preservative; Treating Practices, TT-W-571g(1), 1962 (AWPA specifications and instructions are referenced)

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, 1967

EXPLOSION VENTS

NFPA, Guide For Explosion Venting, No. 68, 1954

FIRE PREVENTION

AIA, Fire Prevention Code, 1965 with October 1966 Amendment

FIRE-RESISTANCE RATINGS

ASTM, Methods of Fire Tests of Building Construction and Materials,
E 119-67

ASTM, Methods of Fire Tests of Door Assemblies, E 152-66

ASTM, Methods of Fire Tests of Roof Coverings, E 108-58

NFPA, Standard for Fire Doors and Windows, No. 80-1967

ULI, Building Materials List, 1967

FLAME-RESISTANT MATERIALS

NFPA, Flameproofed Textiles, No. 701, 1951

FLAME SPREAD

ASTM, Method of Test for Surface Burning Characteristics of Building
Materials, E 84-67

FS, Sound Absorbing Materials (Acoustical Units, Prefabricated),
SS-S-00118, 1963

HAZARDOUS PROCESSES IN BUILDINGS

- USAS, Prevention of Dust Explosions in Flour and Feed Mills, Z12.3 - 1962
(NFPA No. 61C - 1962)
- USAS, Prevention of Dust Explosions in Terminal Grain Elevators, Z12.4 - 1959
(NFPA No. 61B - 1959)
- USAS, Prevention of Dust Explosions in the Plastics Industry, Z12.16 - 1963
(NFPA No. 654 - 1963)
- USAS, Prevention of Dust Explosions in Industrial Plants, Z12.21 - 1964
(NFPA No. 63 - 1964)
- IC, Manufacturing, Handling and Storage of Military Pyrotechnics,
Industrial Code Rule No. 37, effective June 1, 1943
- NFPA, Pyroxylin Plastics in Factories, No. 42, 1962
- NFPA, Pyroxylin Plastic Storage and Sale, No. 43, 1962
- NFPA, Storage of Combustible Fibres, No. 44, 1953
- NFPA, Storage, Handling and Processing of Magnesium, No. 48, 1961
- NFPA, Production, Processing, Handling and Storage of Titanium,
No. 481, 1961

Part 5

Generally Accepted Standards
applicable to
Equipment Requirements

CHIMNEYS, FLUES AND GASVENTS

- USAS, Chimneys, Fireplaces, and Venting Systems, A52.1-1967 (NFPA No. 211-1966)
USAS, Sizes of Clay Flue Linings, A62.4-1947

CONVEYORS AND LIFTS

Automotive Lifts

- CS, Automotive Lifts, CS 142-65

Conveyors

- USAS, Safety Code for Conveyors, Cableways and Related Equipment, B20.1-1957
USAS, Safety Code for Mechanized Parking Garage Equipment, A 113.1-1964

Cranes, Derricks and Hoists

- USAS, Safety Code for Cranes, Derricks and Hoists, B30.2-1943, Reaffirmed 1952

Industrial Lifts

- CS, Industrial Lifts and Hinged Loading Ramps, CS 202-56

Manlifts

- USAS, Safety Code for Manlifts, A90.1-1949, Reaffirmed 1956

ELECTRICAL WIRING AND EQUIPMENT

- USAS, National Electrical Code, C1-1965 (NFPA No. 70, 1965)
H, National Electrical Safety Code, NBS Handbook H 30, 1948, excluding Part 2, (Fifth edition)
H, Safety Rules for the Installation and Maintenance of Electric Supply and Communications Lines, NBS Handbook 81, 1961
ULI, Electrical Appliance and Utilization Equipment List, 1967
ULI, Hazardous Location Equipment List, 1967
ULI, Electrical Construction Materials List, 1967

ELEVATORS, DUMBWAITERS AND ESCALATORS

USAS, Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, A17.1-1965

ENGINES FOR EMERGENCY USE

NFPA, Stationary Combustion Engines and Gas Turbines, No. 37, 1967

FIRE PROTECTION EQUIPMENT

FMS, Factory Mutual Approval Guide, 1967-1968
IC, Automatic Fire Extinguishing Systems, Industrial Code Rule No.20, effective July 1, 1961, excluding Sections 20-1.10, 20-3.1, 20-3.2 and 20-3.3
NFPA, Foam Extinguishing Systems, No. 11, 1963
NFPA, Sprinkler Systems, No. 13, 1966
NFPA, Standpipe and Hose Systems, No. 14, 1963
NFPA, Water Spray Systems for Fire Protection, No. 15, 1962
NFPA, Centrifugal Fire Pumps, No. 20, 1967
NFPA, Outside Protection, No. 24, 1966
NFPA, Local Protective Signaling Systems, for Watchman, Fire Alarm and Supervisory Service, No. 72A, 1967
NFPA, Auxiliary Protective Signaling Systems for Fire Alarm Service, No. 72B, 1967
NFPA, Proprietary Protective Signaling Systems for Watchman, Fire Alarm and Supervisory Service, No. 72D, 1967
ULI, Fire Protection Equipment List, 1967
ULI, Building Materials List, 1967
USAS, Carbon Dioxide Extinguishing System, A 54.1-1966 (NFPA No. 12, 1966)

FLAMMABLE LIQUIDS (See also Oil-Fired Equipment)

NFPA, Flammable and Combustible Liquids Code, No. 30, 1966
NFPA, Dry Cleaning Plants, No. 32, 1964
NFPA, Spray Finishing Using Flammable Materials, No. 33, 1966
NFPA, Dip Tanks Containing Flammable or Combustible Liquids, No. 34, 1963
NFPA, Storage of Flammable and Combustible Liquids on Farms and Isolated Construction Projects, No. 395, 1965

Tanks for Flammable Liquids

API, Recommended Rules for the Design and Construction of Large, Welded, Low-Pressure Storage Tanks, STD 620, 1966
API, Specification for Oil Storage Tanks with Riveted Shells, STD 12A, 1941, Reissued 1951
API, Welded Steel Tanks for Oil Storage, STD 650, 1966
ULI, Gas and Oil Equipment List, 1966

GASESLiquefied Flammable Gas

- USAS, Storage and Handling of Liquefied Petroleum Gases, Z106.1-1965
(NFPA No. 58, 1967)
- ASME, Unfired Pressure Vessels, Section VIII,
ASME Boiler and Pressure Vessel Code; 1965, with addenda through
June 30, 1966
- NFPA, Liquefied Petroleum Gases at Utility Gas Plants, No. 59, 1963
- NFPA, Liquefied Natural Gas at Utility Gas Plants, No. 59A, 1967

Other Hazardous Gases

- NFPA, Oxygen-Fuel Gas Systems for Welding and Cutting, No. 51, 1964
- NFPA, Flammable Anesthetics, No. 56, 1965
- NFPA, Nonflammable Medical Gas Systems, No. 565, 1967
- NFPA, Bulk Oxygen Systems at Consumer Sites, No. 566, 1965

HEATING, VENTILATING, REFRIGERATION AND AIR CONDITIONINGGeneral Design and Installation

- USAS, Safety Code for Mechanical Refrigeration, B9.1-1964
- USAS, Blower and Exhaust Systems for Dust, Stock and Vapor Removal
or Conveying, Z33.1-1961 (NFPA No. 91, 1961)
- ASHRAE, Handbook of Fundamentals, 1967
- ASHRAE, Guide and Data Book: Applications for 1966 and 1967, Sections
1, 2, 3, 4, 10 and 11
- ASHRAE, Guide and Data Book: Systems and Equipment, 1967
- NFPA, Garages, No. 88, 1962
- NFPA, Air Conditioning and Ventilating Systems of Other than Residence
Type, No. 90A, 1967
- NFPA, Residence Type Warm Air Heating and Air Conditioning Systems
No. 90B, 1965
- NFPA, Ventilation of Restaurant Cooking Equipment, No. 96, 1964
- R, Pipes, Ducts, and Fittings for Warm Air Heating and Air
Conditioning Systems, R207-60
- ULI, Electrical Appliance and Utilization Equipment List, 1967

Boilers, Furnaces, and Central Systems

- USAS, Standard for the Installation and Operation of Pulverized-Fuel
Systems, Z12.1-1961 (NFPA No. 60, 1961)
- USAS, Approval Requirements for Central Heating Gas Appliances:
Gas-Fired Steam and Hot Water Boilers, Z21.13-1964, with Addenda
Z21.13a-1965 and Z21.13b-1966
- Gas-Fired Duct Furnaces, Z21.34-1964, with Addenda Z21.34a-1965
- Gas-Fired Gravity and Forced Air Furnaces, Z21.47-1964, with
Addenda Z21.47a-1965
- Gas-Fired Gravity and Fan Type Floor Furnaces, Z21.48-1964, with
Addenda Z21.48a-1965 and Z21.48b-1966
- Gas-Fired Gravity and Fan Type Vented Wall Furnaces, Z21.49-1964,
with Addenda Z21.49a-1965 and Z21.49b-1966

Boilers, Furnaces, and Central Systems (Continued)

- ASME, Boiler and Pressure Vessel Code; 1965, with Addenda through June 30, 1967
Section I, Power Boilers
Section IV, Low-Pressure Heating Boilers
Section VIII, Unfired Pressure Vessels
- CS, Solid-Fuel-Burning Forced-Air Furnaces, CS 109-44
- IC, Boilers, Industrial Code Rule No. 4, effective March 31, 1965
- IC, Construction, Installation, Inspection and Maintenance of Steam Boilers, Industrial Code Rule No 14, effective November 18, 1958
- R, Steel Firebox Boilers and Steel Heating Boilers (Commercial and Residential Types) R157-50
- ULI, Gas and Oil Equipment List, 1966

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

- AGA, Directory of Approved Appliances and Listed Accessories, July, 1967
- USAS, Requirements for Installation of Gas-Burning Equipment in Large Boilers, Z21.33-1950, Reaffirmed 1956
- USAS, Installation of Gas Appliances and Gas Piping, Z21.30-1964 (NFPA No. 54, 1964)

Miscellaneous Heating Equipment

- NBBFVI, Relieving Capacity of Safety Valves and Relief Valves Approved by the National Board, 1966
- NFPA, Ovens and Furnaces, Design, Location and Equipment, No. 86A, 1966
- R, Ferrous Range Boilers, Expansion Tanks and Solar Tanks R8-50

Oil-Fired Equipment

- USAS, Oil-Burning Equipment, Z95.1-1965 (NFPA No. 31, 1965)
- CS, Automatic Mechanical-Draft Oil Burners Designed for Domestic Installation, CS 75-76
- CS, Flue-Connected Oil-Burning Space Heaters and Recessed Heaters with Vaporizing Pot-Type Burners, CS 101-63
- CS, Warm Air Furnaces Equipped with Vaporizing-Type Oil Burners, CS 104-63
- CS, Oil-Burning Floor Furnaces Equipped with Vaporizing Pot-Type Burners, CS 113-63
- CS, Warm-Air Furnace - Burner Units Equipped with Pressure-Atomizing or Rotary-Type Oil Burners, CS 195-60
- ULI, Gas and Oil Equipment List, 1966

HIGH FREQUENCY RADIATION

- FCC, Rules Governing Industrial, Scientific and Medical Equipment, Volume II, Part 18, May 1966

INCINERATORS

NFPA, Incinerators, No. 82, 1960

LIGHTING

NFPA, Code for Safety to Life from Fire in Buildings and Structures, No. 101, 1966

LIGHTNING PROTECTION

NFPA, Lightning Protection Code, No. 78, 1965

PIPING EQUIPMENT AND SYSTEMS

USAS, Code for Pressure Piping, B31.1-1955 with Addenda B31.1a-1965
USAS, Gas Transmission and Distribution Piping Systems, B31.8-1967
USAS, Installation of Gas Appliances and Gas Piping, Z21.30-1964
(NFPA No. 54, 1964)

PLUMBING (See pages 14 and 15 - Standards for Plumbing Materials)

General Design and Installation

USAS, National Plumbing Code, A40.8-1955

Drinking Water Supplies

DH, 10 NYCRR, Part 5-Drinking Water Supplies (State Sanitary Code)
DH, 10 NYCRR, Part 72-Drinking Water Standards

Sewage Disposal Systems

DH, Rules and Regulations for the Preparation and Submission of Plans for Sewerage and Sewage and Waste Treatment, Bulletin No. 1, Part II and Part III, 1962

Swimming Pools

DH, Policies Governing the Preparation of Plans for Artificial Swimming Pools, Bulletin No. 31, 1960
DH, 10 NYCRR, Part 6-Swimming Pools and Bathing Beaches (State Sanitary Code)

Equipment for Hospitals, Nursing Homes and Other Medical Care Facilities

DH, 10 NYCRR, Chapter V (State Hospital Code)

Tanks, Water Supply

- AWWA, Standard Specifications for Steel Tanks, Standpipes, Reservoirs,
and Elevated Tanks for Water Storage, D100-1965
NFPA, Water Tanks for Private Fire Protection, No. 22, 1967

STATIC ELECTRICITY

- USAS, Specifications for Nonspark Conductive Oxychloride Composition
Flooring and its Installation, A88.9-1955
NFPA, Static Electricity, No. 77, 1966

TANKS (See Flammable Liquids and Plumbing)

WINDOW CLEANING EQUIPMENT

- USAS, Safety Code for Window Cleaning, A39.1-1959
IC, Protection of Persons Employed at Window Cleaning-Structural
Requirements, Equipment and Procedures, Industrial Code Rule No. 21,
effective October 1, 1966

X-RAY AND GAMMA RAY RADIATION

- DH, Ionizing Radiation, Part 16, State Sanitary Code, 1966
H, Protection Against Radiations from Sealed Gamma Sources,
NBS Handbook H 73, 1960
H, Medical X-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, effective
October 15, 1962
NFPA, Safe Practice for Laboratories Handling Radioactive Materials,
No. 801, 1955

Note: Certain standards listed in the original table have been eliminated because of obsolescence, or because they are not applicable or any longer used by industry.

Materials	USAS	ASTM	FS	Other Standards
Plumbing Fixtures:				
Vitreous china plumbing fixtures.....	None	None	None	CS20-63
Enameled cast-iron plumbing fixtures.....	None	None	None	CS77-63
Earthenware (Vitreous glazed) plumbing fixtures.....	None	None	None	CS111-43
Plumbing fixtures, land use.....	None	None	WW-P- 541b(6)1963	None
Porcelain enameled formed steel plumbing fixtures....	None	None	None	PS5-66
Drinking fountains	Z4.2-1942	None	None	None
Stainless steel plumbing fixtures for residential use	None	None	None	CS243-62
Nonmetallic pipe and fittings:				
Vitrified clay sewer pipe salt glazed, standard strength.....	A106.3-1965	None	None	None
Vitrified clay sewer pipe perforated, standard strength.....	A106.1-1962	None	None	None
Concrete sewer pipe, reinforced and nonreinforced, Type I.....	None	None	SS-P- 371c-1967	None
Bituminized fiber sewer pipe and fittings.....	None	None	None	CS116-54
Asbestos-cement sewer pipe, non-pressure.....	None	None	SS-P- 331b(2)-1966	None
Ferrous pipe and fittings:				
Cast-iron soil pipe and fittings.....	None	None	None	CS188-66
Cast-iron water pipe.....	A21.10-1964	None	None	None
Cast-iron (threaded) pipe.....	A40.5-1943	None	None	None
Cast-iron (threaded) fittings.....	B16.4-1963	None	None	None
Cast-iron drainage fittings.....	B16.12-1965	None	None	None
Wrought-iron pipe.....	B36.2-1966	None	None	None
Steel pipe.....	B36.20-1966	None	None	None
Malleable iron fittings, 150 lb.	B16.3-1963	None	None	None
Standard weight malleable iron or steel screwed unions	None	None	None	CS7-29

-15-

Materials	USAS	ASTM	FS	Other Standards
Nonferrous pipe and fittings:				
Brass pipe.....	None	B43-66	None	None
Brass tube.....	None	B135-67	None	None
Brass or bronze flanges and flanged fittings, 150 and 300 lb.	B16.24-1962	None	None	None
Brass or bronze screwed fittings, 125 lb.	B16.15-1964	None	None	None
Cast-brass solder-joint fittings.....	B16.18-1963	None	None	None
Cast-bronze solder-joint drainage fittings.....	B16.23-1960	None	None	None
Copper pipe.....	None	B42-66	None	None
Copper pipe, threadless.....	None	B302-66 a	None	None
Copper drainage tube, type DWV.....	None	B306-66 a	None	None
Copper water tube, types K, L, M.....	None	B88-66 a	None	None
Flared fittings for copper water tube.....	B16.26-1958	None	None	None
Wrought copper and bronze solder-joint pressure fittings.....	B16.22-1963	None	None	None
Wrought copper solder-joint drainage fittings.....	B16.29-1966	None	None	None
Lead pipe, bends and traps.....	None	None	WW-P-325-19 67	None
Miscellaneous materials:				
Air gap standards.....	A40.4-1942	None	None	None
Backflow preventers.....	A40.6-1943	None	None	None
Brass cleanout plugs.....	None	None	None	CS188-66
Caulking lead.....	None	None	QQ-C-40-1963	None
Cement lining.....	A21.4-1964	None	None	None!
Coal-tar enamel, protective coatings for steel water pipe.....	None	None	None	AWWA C203-66
Fixture setting compound.....	None	None	HH-C-536a-1954	None
Pipe nipples, brass, copper, steel and wrought iron..	None	None	None	CS5-65
Relief valves, and automatic gas shutoff devices....	Z21.22-1964*	None	None	None
Sheet copper.....	None	B152-66	None	None
Sheet lead, (grade C).....	None	None	QQ-I-201f-1965	None
Soft solder.....	None	None	QQ-S-571d-1963	None
Steel septic tanks.....	None	None	None	CS177-62
Valves, bronze gate.....	None	None	WW-V-54b(2)-1966	None
Valves, cast-iron gate.....	None	None	WW-V-58a-1966	None

* With Addenda Z21.22a-1965

