

file

TCB
10.5:2

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
Washington 25, D. C.

Letter
Circular
LC973
(Superseding
LC928)

December 2, 1949

LIST OF PUBLISHED MATERIAL
RELATING TO BUILDING REGULATION

This list is intended to be of assistance to those interested in studying, developing, or revising building and plumbing regulations. It includes publications issued by the National Bureau of Standards and material issued under the procedure of the American Standards Association, with which the Bureau cooperates in the development of building code standards.

Where prices are shown, the Bureau publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D.C. The prices quoted are for delivery to addresses in the United States and its territories and possessions and in certain foreign countries which extend the franking privilege. For all other countries, one-third the cost of the publication should be added to cover postage. Prepayment is required and should be made either by coupons, obtainable from the Superintendent of Documents in sets of 20 for \$1.00 and good until used, or by check or money order payable to the Superintendent of Documents. An order blank for government publications will be found at the end of this list.

Publications marked "OP" are out of print but, in general, may be consulted in technical libraries.

Publications of the National Bureau of Standards Series Price

Preparation and revision of building codes. G. N. Thompson.
(1949). 17p. - - - - - BMS116 15¢

Presents information for the use of local committees charged with the responsibility of preparing or revising building codes. This is drawn from material accumulated at the National Bureau of Standards over a period of years in connection with development of recommended building code requirements. Covers the influence of the building code on the community; the basic principles involved; deficiencies evident in existing codes; methods of arrangement, numbering, and presentation; and the use of national standards. Gives references to sources of technical information and to articles by various authorities on the subject. Also gives extracts from local codes, to illustrate various ways of dealing with major problems.

Building code requirements for new dwelling construction. (1947).
43p. - - - - - BMS107 OP

Presents recommendations of the National Housing Agency prepared in consultation with the National Bureau of Standards. Applies to single- and two-family houses and multiple dwellings of limited height; cites certain well-developed standards as acceptable good practice; and provides for recognizing new developments in the building field. (Supersedes BMS88)

- Fire-resistance classifications of building constructions. (1942). 70p. - - - - - BMS92 30¢
 Presents information on the application of classifications of building construction to the fire severity obtaining for given structural and occupancy conditions; discusses types of restrictions and limitations generally incorporated in building codes; gives results of surveys of combustible contents of buildings housing typical occupancies as a basis for estimation of fire severity; gives fire-resistance ratings of building constructions and fire-resistance classifications of roofing materials.
- Fire tests of wood- and metal-framed partitions. (1941). 51p. - - BMS71 20¢
 Presents results of fire tests of partition constructions representative of a wide range in materials and design and in terms of performance under recognized testing procedure.
- Fire resistance of structural clay tile partitions. (1948). 19p. BMS113 15¢
 Presents results of fire-endurance or hose-stream tests of twenty structural clay tile partitions.
- Fire resistance of walls of lightweight aggregate concrete masonry units. (1949). 22p. - - - - - BMS117
 Presents results of fire-endurance and hose-stream tests, indicating the fire resistance that can be expected of walls of various thicknesses of lightweight-aggregate concrete masonry units made with cinder, pumice, expanded-slag, or expanded burned-shale aggregates. Information is applicable to requirements pertaining to exits, shaft enclosures, and fire-division walls.
- Fire-resistance and sound-insulation ratings for walls, partitions, and floors. (1946). mimeographed. - - - - - TRBM44 Free
 Presents information of value in selecting or designing constructions suitable for use as subdivisions between family units in multiple dwellings. Ratings given are also applicable to walls and floors in other types of buildings.
- American standard building code requirements for masonry. (Prepared under the procedure of the American Standards Association, the National Bureau of Standards acting as sponsor.) (1944). 37p. M174 15¢
 A complete set of minimum requirements for masonry construction, including materials and allowable stresses and general requirements for all types of masonry except reinforced masonry.
- American standard building code requirements for minimum design loads in buildings and other structures. (Prepared under the procedure of the American Standards Association, the National Bureau of Standards acting as sponsor.) (1945). 32p. - - - - M179 10¢
 Presents requirements covering dead, live, snow, wind, and earthquake loads. Information intended to assist local committees and officials in applying the requirements is given in an appendix.

Minimum live loads allowable for use in design of buildings.
 (1924). 38p. - - - - - BH7 OP

Presents recommended minimum live loads to be assumed as the basis for building design; together with much information on the floor loads characteristic of different occupancies or resulting from storage of different commodities. Report includes material on wind pressures, impact allowances, and administration of live-load requirements in building codes.

Strength of houses: The application of engineering principles to structural design. (1948). 131p. - - - - - BMS109 \$1.50

Presents methods for determining allowable loads for walls, floors, and roofs of small houses to provide sufficient strength without waste of material. Includes compressive, transverse, and racking loads for each element of a house for typical one- and two-story houses in several representative locations in the United States.

Design and construction of building exits. (1935). 76p. - - - - - M151 25¢

Presents results of a study of current practice in exit design and of observations on the flow of persons down stairways and through doorways; discusses types of exit requirements; contains an appendix in which are given recommendations for consideration in revising building codes.

Building materials and structures reports published by the National Bureau of Standards (a list). (1949). 10p. mimeographed. - - - LC960 Free
 (Supersedes LC902)

Lists, numerically and by subject, reports containing results of tests performed on a number of prefabricated wall, floor, and roof panels and on conventional types of construction, as well as information on heating, plumbing, and miscellaneous features of building construction and equipment.

Standards and specifications for building construction materials, fixtures, supplies, and equipment. (1949). 20p. mimeographed. LC941 Free
 (Supersedes LC896)

Presents a list of Commercial Standards, Simplified Practice Recommendations, and Federal Specifications, including information on grades, sizes, and varieties.

Elevator wire rope maintenance. (1942). 7p. - - - - - C441 5¢
 Maintenance of elevator mechanical safety appliances. (1943). 10p. C442 5¢
 Maintenance of elevator hoistway and car enclosures and equipment. (1943). 8p. - - - - - C443 5¢
 Maintenance of elevator hoisting machines and brakes. (1943). 6p. - C444 5¢

These four circulars present recommendations of the Executive Committee for the American Standard Safety Code for Elevators, Dumbwaiters, and Escalators.

- Recommended minimum requirements for plumbing (including Supplement, Progress Revision, May 1931). (1932). 28p.
 (Supersedes BH2) - - - - - BH13 75¢
 Presents recommended plumbing code requirements for installations of all types of buildings; together with a statement of the fundamental principles governing plumbing regulation; a discussion of licensing and regulation of plumbers; a description of extensive experiments on which recommended requirements are based; notes on various special features of plumbing installations.
- Plumbing manual. (1940). 70p. - - - - - BMS66 35¢
 Presents recommendations regarding pipe sizes, precautions against pollution of water supply, types of venting, and other matters usually covered in plumbing codes; and gives information useful in applying the recommendations. Prepared by a committee composed of representatives of Federal agencies after consideration of extensive experimental work and other information available since BH13 was issued. Useful as a reference in connection with development of local plumbing codes.

Department of Commerce--Housing and Home Finance Agency

- Report of the Uniform Plumbing Code Committee. (1949). 83pp. - - - - - 40¢
 (Available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.--see page 1)
 Utilizes results of research performed at the National Bureau of Standards at the request of the Housing and Home Finance Agency. Contains recommended plumbing requirements developed by a committee representing the plumbing industry and Federal agencies, sponsored jointly by the Department of Commerce and the Housing and Home Finance Agency and on which the National Bureau of Standards had representation.

Material Prepared Under A.S.A. Procedure

Except where otherwise noted, the material may be obtained from the American Standards Association, 70 East 45th Street, New York 17, N.Y., at the prices given.

Series & Price

- Information on sources of material for use in preparing and revising local building codes. (1949). 31pp. mimeographed. - - - CBL46
 Includes a selection of items available from responsible organizations. Compiled by the Building Code Correlating Committee of the ASA in cooperation with the National Bureau of Standards. Free
- Building code arrangement. (1944). 13p. mimeographed - - - - - CB83
 Presents main order of code arrangement approved by the Building Code Correlating Committee of the ASA, together with listing of main items under each main heading. (being revised)

Nationally recognized standards in state laws and local ordinances. (1949). 43p. - - - - -	\$1.00
Report by Committee Z56 on Model Laws and Ordinances. Presents the problems and possible solutions and includes proposed model state acts and proposed model ordinances.	
Administrative requirements for building codes. - - - - -	A55.1-1948
Presents requirements and directions necessary for rea- sonable and effective enforcement of building regulations.	
American standard building code requirements for light and venti- lation. 18p. - - - - -	A53.1-1946
Presents requirements for lighting and ventilation of buildings and other structures and indicates the conditions under which artificial light and mechanical ventilation may be permitted.	
American recommended practice for school lighting. - - - - -	A23.1-1946
Presents recommendations dealing with proper lighting, chiefly from the standpoint of visual efficiency.	
American recommended practice for industrial lighting. - - - - -	A11-1942
Presents recommendations dealing with proper lighting, chiefly from the standpoint of visual efficiency.	
Standard methods of fire tests of building construction and materials. (ASTM Designation E119-41). 7p. - - - - -	A2.1-1942
Presents requirements for the control of fire tests; classification as determined by test; test structures and samples; and conduct of tests for various constructions.	
(under revision)	
Standard methods of fire tests of door assemblies. (ASTM Designation E152-41). 5p. - - - - -	A2.2-1942
Presents requirements for the control of fire tests; test structures and assemblies; conduct of fire tests; and conditions of acceptance.	
Standard specifications for gypsum plastering. 14p. - - - - -	A42.1-1946
Presents requirements for materials and their application, including requirements for lathing and furring.	
Standard specifications for portland cement stucco and portland cement plastering. 18p. - - - - -	A42.2-1946 &A42.3-1946
Presents requirements for materials and their application, including requirements for lathing and furring.	
American standard building code requirements for masonry. 34p. (ASA edition) - - - - -	A41.1-1944
A complete set of minimum requirements for masonry construc- tion, including materials and allowable stresses and general requirements for all types of masonry except reinforced masonry.	
	\$1.00

- American standard building code requirements for reinforced concrete (ACI 318-47). 64p. - - - - - A89.1-1948
 Presents detailed recommendations for the design and construction of reinforced concrete structures. 50¢
- American standard building code requirements for reinforced gypsum concrete. 6p. - - - - - A59.1-1945
 Presents requirements intended to regulate materials used in reinforced gypsum concrete floors and roofs, their design and construction. 35¢
- American standard building code requirements for structural steel (riveted, bolted, or welded construction). 24p. - - - - - A57.1-1943
 Presents requirements for the design, fabrication, and erection of structural steel for buildings and other structures, including materials, stresses, loads, and connections; but does not apply to steel joists, members formed of flat rolled steel, light-gage steel construction, and other miscellaneous light-steel construction. 75¢
- American standard building code requirements for steel joist construction. 7p. - - - - - A87.1-1947
 Presents requirements for the use of steel-joist construction in buildings of all occupancies. 35¢
- American standard building code requirements for minimum design loads in buildings and other structures. (ASA edition) - - - A58.1-1945
 Presents requirements covering dead, live, snow, wind, and earthquake loads. Information intended to assist local committees and officials in applying the requirements is given in an appendix. 75¢
- American standard specifications for portable steel and wood grandstands. 17p. - - - - - Z20.1-1941
 Presents specific requirements for portable grandstands. OP
 (under revision)
- Standard for grandstands, tents and other places of outdoor assembly. - - - - - Z20.2-1949
 Presents requirements to provide for safety of persons occupying places of outdoor assembly, including design standards, ways of egress, and fire-safety provisions. 25¢
- Building code requirements for signs and outdoor display structures. 12p. - - - - - A60.1-1949
 Covers construction, erection, and maintenance requirements for signs and outdoor display structures with respect to safety, size, and attachment or anchorage, but not with respect to appearance and geographical location. 50¢
- Building exits code. 127p. - - - - - A9.1-1949
 Presents suggested requirements in detail for number and size of stairways, etc., for various occupancies. \$1.00
 (Available as "Building Exits Code," 10th ed., 1949, from National Fire Protection Assn., 60 Batterymarch St., Boston 10, Mass.)

Safety code for building construction. 83p. - - - - -	A10.2-1944
Applies only to ordinary building construction and contains the basic requirements for the operations usually encountered in such work.	\$1.75
American standard safety code for elevators, dumbwaiters, and escalators (including 1942 supplement). 137p. - - - - -	A17.1-1937
Presents recommended requirements generally recognized as standard throughout the country.	\$1.50
American recommended practice for the inspection of elevators. (companion volume to A17.1-1937). 125p. - - - - -	A17.2-1945
	\$1.50
National electrical code. 376p. - - - - -	C1-1946
Presents recommended requirements generally recognized as standard throughout the country.	10¢
American standard plumbing code (minimum requirements for plumbing). 87p. - - - - -	A40.7-1949
Covers minimum safety and health requirements for design, installation, inspection, and performance of plumbing equip- ment and systems, including water-supply, distribution, drain- age, and venting systems.	\$2.50
American standard safety code for mechanical refrigeration. 12p. - - - - -	B9-1939
Presents requirements intended to insure the safe design, construction, installation, operation, and inspection of every refrigeration system employing a fluid which is vaporized and liquefied in its refrigerating cycle, which may be used for the extraction of heat.	50¢

The order blank given below may be used when purchasing National Bureau of Standards publications.

Detach and mail to

Superintendent of Documents,
Government Printing Office,
Washington 25, D.C.

Date _____

Enclosed is \$_____ (money order, New York draft, or coin) for the following publications:

<u>Publication</u>	<u>Price</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Total..... _____

Name: _____

Address: No. _____ Street: _____

City: _____ State: _____

