

ORDINANCE NO. 295

AN ORDINANCE to amend Ordinance 290, entitled "An Ordinance Regulating the Construction of Buildings in the City of Alexandria, Virginia, to be known as the Building Code of Alexandria, Virginia," approved May 23, 1939, by repealing and re-enacting Sections 41 and 70, and adding thereto Section 42-A.

BE IT ORDAINED by the Council of Alexandria, Virginia, that Ordinance Number 290, entitled "An ordinance to regulate the construction of buildings in the City of Alexandria, Virginia, to be known as the Building Code of Alexandria, Virginia, approved May 23, 1939, be amended by repealing and re-enacting Sections 41 and 70, and adding thereto Section 42-A, said re-enacted and added sections to read as follows:

Section 41. Reinforced Concrete Construction.

All reinforced concrete construction shall be in accordance with the Building Regulations for Reinforced Concrete as approved and adopted by the American Concrete Institute in February, 1936 (A. C. I. 501-36- T), except that Table 302- A - Assumed Strength of Concrete Mixtures shall be changed to read as follows:

TABLE 302(a)—ASSUMED STRENGTH OF CONCRETE MIXTURES

Class of Concrete	Water Content U. S. Gallons per 94-lb. sack of cement	Minimum Bags of Cement per Cu. Yd.	Assumed Ultimate Compressive Strength at 28 days p.s.i.	Laboratory Ultimate Compressive Strength at 28 days, p.s.i.
A	6.0	7.0	3500	4000
B	7.0	6.0	3000	3500
C	7.5	5.5	2500	2900
D	8.0	5.0	2000	2400
E	8.5	4.0	1500	1800

And further, the designation "Commissioner of Buildings" shall mean the Building Inspector, and the term "Board of Examiners for Special Construction" shall mean the "City Engineer," and paragraph 103 of the regulations shall be changed to read as follows:

(a) The sponsors of any system of reinforced concrete which has been in successful use, or the adequacy of which has been shown by test, and the design of which is either in conflict with these regulations or not covered by them, shall have the right to present the data on which their design is based to the City Engineer who shall investigate the data so submitted and formulate rules governing the design and construction of such systems. These rules shall be of the same force and effect as the provisions of this Code.

Section 42A. Use of Hydraulic Lime in Concrete.

In all plain and reinforced concrete specifications within this Code, wherever the mix is given for concrete, one 78 pound bag of hydraulic lime, meeting A.S.T.M. Specifications No. C141-38T, may be substituted in each cubic yard of concrete for one bag of portland cement; provided however that the strength test requirements for each class of concrete shall not be lowered.

Section 79. Prepared Mortar Cement.

PROPORTIONS

Prepared mortar cement shall contain Portland or natural cement and lime. Mortar made from such prepared mortar cement shall be mixed in the proportions of one part prepared mortar cement and three parts clean sharp sand by volume.

All mortar shall have a compressive strength not less than the minimum requirements of the American Society for testing Materials for such material.

This ordinance shall take effect the day following its publication in the Alexandria Gazette.

Approved this 26th day of September, 1939.

RICHARD L. RUFFNER,
Mayor