

ORDINANCE NO. 1676

AN ORDINANCE to amend Section 7-8, Chapter 7 of The Code of the City of Alexandria, Virginia, 1963, as amended, by amending and reordaining subsection (238) thereof; which Chapter 7 constitutes The BUILDING CODE OF THE CITY OF ALEXANDRIA, VIRGINIA, which Section 7-8 relates to CHANGES IN BOCA CODE, and which subsection (238) relates to REINFORCED CONCRETE CONSTRUCTION.

THE CITY COUNCIL OF ALEXANDRIA HEREBY ORDAINS:

Section 1. That subsection (238) of Section 7-8, Chapter 7 of The Code of the City of Alexandria, Virginia, 1963, as amended, be and the same hereby is amended and reordained to read as follows:

(238) Section 842.1 is amended to read:

842.1. Reinforced Concrete Construction. All reinforced concrete construction shall be in accordance with The Building Code Requirements for Reinforced Concrete as approved and adopted by the American Concrete Institute in Standard ACI 318-63 in June 1963, except:

(1) That subsection 103(a) be revised to read as follows:

103. Inspection.

(a) Concrete work on the site shall be inspected by a professional engineer or architect duly registered and licensed to practice in and by the Commonwealth of Virginia who is responsible for its design or by a competent representative responsible to him, who shall keep a record which shall cover the quality and quantity of concrete materials, the mixing, placing and curing of concrete, the placing of reinforcing steel, the sequence of erection and connection of precast members, and the general progress of the work.

(2) That subsection 502(a) is amended by adding thereto the following requirements:

I. The minimum bag of cement per cubic yard of concrete shall be as follows:

Class of Concrete	Minimum Bags of Cement Per Cubic Yard	Assumed Ultimate Compressed Strength at 28 days, p.s.i.
A	8.0	5000
B	7.0	3750
C	6.5	3500
D	6.0	3000
E	5.5	2500
F	5.0	2000

II. That the concrete mixture shall not have more than five (5) inch slump.

III. That when calcium chloride is used in concrete mixtures, the amount shall not exceed two percent (2%) of the cement content by weight. Calcium chloride shall be added in solution form as a part of the mixing water. It shall not be used in prestressed or post-tensioned concrete where galvanized steel is in permanent contact with the concrete, in concrete subjected to alkali-aggregate reaction or when concrete is exposed to soils or water containing sulphates.

IV. That all test specimens shall be cast by a representative of an approved testing laboratory, who shall assume responsibility for the care of all specimens until such time as they are tested.

Section 2. That this ordinance shall be published in a newspaper of general circulation in the city not later than five days following its introduction together with a notice containing the time and place for a public hearing. The clerk of the council shall note the date of introduction and first reading, the date of publication, the date of the public hearing, and the date of the second reading and final passage in the minutes of the meeting. This ordinance shall become effective the date of its final passage.

Charles E. Beatley, Jr.  
Mayor

Introduction: 9/29/70  
First Reading: 9/29/70  
Publication: 10/2/70  
Public Hearing: 10/13/70  
Second Reading: 10/13/70  
Final Passage: 10/13/70