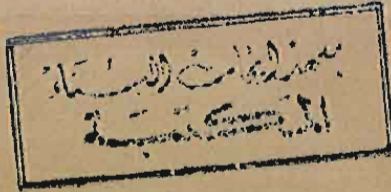


معهد أبحاث البناء

BUILDING RESEARCH AND TRAINING CENTER



القواعد التطبيقية لاستعمال الخرسانة المسلحة في المباني

CODE OF PRACTICE
For The Use of
REINFORCED CONCRETE
IN BUILDINGS

HBRC

المركز القومي لأبحاث الإسكان والبناء
Housing & Building National Research Center
Since 1954

D.

28 A 31

القواعد التطبيقية

↓

D.

1 A 31

1970
1960

معهد أبحاث البناء
BUILDING RESEARCH AND TRAINING CENTER

ك



١٠٦٨٤ ٢٢ شباط ١٩٩٦

القواعد التطبيقية لاستعمال الخرسانة المسلحة في المباني

CODE OF PRACTICE
For The Use of
REINFORCED CONCRETE
IN BUILDINGS

HBRC

المركز القومي لبحوث الإسكان والبناء
Housing & Building National Research Center

Since 1954

١٠٦٨٤

١٩٦٠
1960

معهد أبحاث البناء

BUILDING RESEARCH AND TRAINING CENTER

القواعد التطبيقية لاستعمال الخرسانة المسلحة في المباني

CODE OF PRACTICE

For The Use of

REINFORCED CONCRETE

IN BUILDINGS

HBRC

المركز القومي لبحوث الإسكان والبناء ،
جاري صياغتها باللجنة المصرية ،

Housing & Building National Research Center

Since 1954

مدير معهد أبحاث البناء

عبد الحكيم

دكتور عبد العزيز عبد الخالق صابرس

١٩٦٠

1960

1 - INTRODUCTION

1-1 Scope :

The following code of practice covers the use of normal reinforced concrete in ordinary structures. They are intended to supplement the general provisions for materials, design and construction. Special reinforced concrete structures such as bridges and fluid containers, are to be dealt with in corresponding special codes. The design and execution of reinforced concrete work are entrusted only to qualified persons, for whom this code of practice is issued as rules and guidance.

1-2 Definitions :

Concrete : A suitably proportioned mixture of aggregate, cement and water.

Reinforcement: Rods, bars or fabric of structural steel, embedded in concrete for the purpose of resisting particular stresses.

Plain Concrete : Concrete without reinforcement.

Reinforced Concrete : Concrete in which reinforcement is embedded in such a manner that the two materials act together in resisting the loads.

1-3 Notations :

| | | |
|----------|---|-----------------------------------|
| A | : | Area |
| A_c | : | Area of concrete |
| A_s | : | Area of steel |
| $A_{s'}$ | : | Area of steel in compression side |
| A_k | : | Area of core |
| A_{st} | : | Area of stirrups |
| A_{sp} | : | Area of spiral |