

BUILDING RESEARCH AND TRAINING CENTRE

TAHRIR STREET, DOKKY, GIZA - EGYPT.

**THE FINAL REPORT
OF THE REINFORCING
STEEL COMMITTEE**

المركز القومي لبحوث الإسكان والبناء

D. Housing & Building National Research Center

Since 1954

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الرسالة

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FINAL REPORT AND RECOMMENDATIONS OF THE REINFORCING STEEL COMMITTEE ON ECONOMIES IN THE USE OF STEEL IN REINFORCED CONCRETE

The Reinforcing Steel Committee of The Building Research Centre has submitted a report including its recommendations to achieve economy in the use of steel in Reinforced Concrete Structures.

This report was circulated in its preliminary form to structural engineers in June 1955, and was published in the Journal of Civil Engineers in December 1955. A general meeting was held at the Building Research Centre on the 10th of December 1955 for further discussion. Comments and contributions received from the Engineering Profession up to that date were also discussed.

In addition to some clarification of figures and statements, the main modifications suggested and approved by the Committee are:—

1. The addition in Section A of a list of symbols used (Article 8), and graphs giving the load distribution curves recommended in the design of Hollow block slabs (Article 10).

These additions were made as a result of a suggestion to the Centre by Architect Hussein Shaffei of the State Building Department of the Ministry of Municipal and Rural Affairs.

2. a) The addition in Section E, article 3-ii, of a recommendation concerning the elimination of hooks on plain bars in both cases of; stirrup hangers and bars in compression at the positive reinforcement at interior supports of continuous members except if required for particular reasons (settlement, etc.).
b) The amendment of the maximum spacing recommended for stirrups in beams which is given in Section E, Article 3-ii-e.

These two modifications were carried out as a result of a comment to the Committee by Dr. Ibrahim Gaafar, Assist. Prof.

These modifications are introduced in the report and The Building Research Centre takes pleasure in publishing the report in this final form.

General Director.

A. A. Yassin

MEMBERS OF THE REINFORCING STEEL COMMITTEE

The Reinforcing Steel Committee has been formed by the Board of Directors of the Building Research Centre of the following members (listed in alphabetical order):—

1. — Dr. Abdel Aziz El-Arousy

Professor of Reinforced Concrete at the Faculty of Engineering (Ein Shams University).

2. — Mr. Joseph Massarra

Director and Chief Engineer of Société Anonyme des Anciennes Entreprises L. Rolin & Co.

3. — Dr. Michel Bachum

Assist. Prof. of Reinforced Concrete at the Faculty of Engineering (Cairo University).

4. — Dr. Mohamed Hilal

Professor of Reinforced Concrete at the Faculty of Engineering (Cairo University).

5. — Mr. Th. Egeland (President)

Director of Misr Concrete Development Company.