

Preface

Steel reinforced concrete (SRC) construction has been used widely for building structures in Japan, and the Standards for Structural Calculation of Steel Reinforced Concrete Structures were published first in 1958 by Architectural Institute of Japan (AIJ). The Standards have been revised several times since then, and the English version presented here is based on the latest edition revised in 1987.

The structural calculation of SRC structures is mainly based on the allowable stress design method, but design formulas to estimate the ultimate strength of SRC members and connections are also provided since some structures are required to be examined for their lateral load resisting capacity against earthquakes. The superposed strength method has been used for calculating the strength of SRC members since the outset of the Standards. The range of application of this method has been expanded after each revision, and in the 1975 edition, this method was employed for designing connections, joints, column-bases and structural walls in addition to primary members.

In the latest revision(1987), the design formulas that were shown in the commentary of the previous edition were incorporated into the Standards, thus the volume increased significantly. The English version includes only a brief commentary, which puts emphasis on parts deemed important for those who are not familiar to the Japanese SRC Standards. A detailed commentary is attached in the Japanese version.

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**AIJ STANDARDS FOR STRUCTURAL CALCULATION OF
STEEL REINFORCED CONCRETE STRUCTURES
AND BRIEF COMMENTARY**

(1987)

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