STEEL CONSTRUCTION



AMERICAN INSTITUTE OF STEEL CONSTRUCTION INC.

THIRTEENTH EDITION

PREFACE

(This Preface is not part of ANSI/AISC 360-05, Specification for Structural Steel Buildings, but is included for informational purposes only.)

This Specification has been based upon past successful usage, advances in the state of knowledge, and changes in design practice. The 2005 American Institute of Steel Construction's Specification for Structural Steel Buildings for the first time provides an integrated treatment of Allowable Stress Design (ASD) and Load and Resistance Factor Design (LRFD), and thus combines and replaces earlier Specifications that treated the two design methods separately. As indicated in Chapter B of the Specification, designs can be made according to either ASD or LRFD provisions.

This Specification has been developed as a consensus document to provide a uniform practice in the design of steel-framed buildings and other structures. The intention is to provide design criteria for routine use and not to provide specific criteria for infrequently encountered problems, which occur in the full range of structural design.

This Specification is the result of the consensus deliberations of a committee of structural engineers with wide experience and high professional standing, representing a wide geographical distribution throughout the United States. The committee includes approximately equal numbers of engineers in private practice and code agencies, engineers involved in research and teaching, and engineers employed by steel fabricating and producing companies. The contributions and assistance of more than 50 additional professional volunteers working in ten task committees are also hereby acknowledged.

The Symbols, Glossary and Appendices to this Specification are an integral part of the Specification. A non-mandatory Commentary has been prepared to provide background for the Specification provisions and the user is encouraged to consult it. Additionally, non-mandatory User Notes are interspersed throughout the Specification to provide concise and practical guidance in the application of the provisions.

The reader is cautioned that professional judgment must be exercised when data or recommendations in the Specification are applied, as described more fully in the disclaimer notice preceding this Preface.

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Specification for Structural Steel Buildings

March 9, 2005

Supersedes the Load and Resistance Factor Design Specification for Structural Steel Buildings dated December 27, 1999, the Specification for Structural Steel Buldings—Illowable Stress Design and Plastic Design dated June 1, 1989, including Supplement No 1, the Specification for Allowable Stress Design of Single-Angle Members dated June 1, 1989, the Load and Resistance Factor Design Specification for Single-Angle Members dated November 10, 2000, and the Load and Resistance Factor Design Specification for the Design of Steel Hollow Structural Sections dated November 10, 2000, and all previous versions of these specifications.

Approved by the AISC Committee on Specifications and issued by the AISC Board of Directors



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