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## **AISI publishes Cold Formed Steel Design Manual**

*Friday, 12 Jun, 2009*

American Iron & Steel Institute has announced the publication of the 2008 edition of the Cold Formed Steel Design Manual. The Manual supplements AISI S100-07, the 2007 edition of the North American Specification for the Design of Cold Formed Steel Structural Members.

The material contained in the new manual was developed under the direction of AISI's Committee on Specifications for the Design of Cold-Formed Steel Structural Members. It provides the latest design information for conformance with AISI S100-07, as well as new improvements and additions.

Mr Jay Larson MD Construction Technical Program said that "This is one of the best documents that engineers, software developers and building officials can use to better understand the North American Specification and to correctly apply the design provisions. The comprehensive design examples provide a step by step demonstration of how to use the provisions in the North American Specification. There are several tables and charts that also serve as design tools for engineers to perform cold formed steel member design."

The Cold-Formed Steel Design Manual consists of six parts:

Part I, Dimensions and Properties- Contains information on the availability and properties of steels referenced in the North American Specification, tables of section properties, and formulas and examples of calculations of section properties

Part II, Beam Design -Contains tables and charts to aid in beam design and example problems

Part III, Column Design -Contains tables to aid in column design and example problems

Part IV, Connections -Contains tables to aid in connection design and example problems

Part V, Supplementary Information - Contains a table of Specification cross references to examples provided in the Design Manual, design procedures not included in the Specification, and additional information to assist users of cold formed steel.

Part VI, Test Standards - Contains 14 American National Standards Institute approved AISI test methods for cold formed steel, a bibliography of other pertinent test methods, and an example problem.

(Sourced from [www.steel.org](http://www.steel.org))

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