Structural Steel Designer s Handbook (Hardback)

By Roger L. Brockenbrough, Frederick S. Merritt

McGraw-Hill Education - Europe, United States, 2011. Hardback. Condition: New. 5th edition. Language: English . Brand New Book. A Complete and Current Guide to Structural Steel Design Fully updated with the most recent design codes, standards, and specifications, Structural Steel Designer s Handbook, Fifth Edition, provides a convenient, single source of the latest information essential to the practical design of steel structures. This comprehensive volume begins by covering the properties of structural steel and the fundamentals of fabrication and erection. Modern structural design methods applicable to buildings and other structures, such as roof systems and various types of bridges, are presented. Details on the design of members--beams, columns, and tension components--and of bolted and welded connections are also covered. Featuring contributions from renowned engineering experts, this is an invaluable working tool for structural steel designers. Based on the latest design standards, codes, and specifications:ANSI/AISC 360-10--unified LRFD and ASD specification ANSI/AISI S100--unified specification for cold-formed members SEI/ASCE 7-10 wind, seismic, and live loads, consolidated into the International Code Council (ICC) International Building Code (IBC) AASHTO highway bridge design standards ASTM material standards AREMA railroad bridge design specifications Coverage Includes:Properties of structural steels and effects of steel-making and fabrication Fabrication and erection...

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