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Structural Steel Design, Fabrication, and Construction

INTRODUCTION TO STEEL DESIGN AND CONSTRUCTION Steel is a common building material used throughout the construction industry. Its primary purpose is to form a skeleton for the building or structure â€” essentially the part of the structure that holds everything up and together.

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resistance steel such as ASTM A242 and A588 steel or galvanized steel is another alternative. 3.1.5 Structural Steel Shapes Steel sections used for construction are available in a variety of shapes and sizes.

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Factor Design Specification for Structural Steel Buildings, published by the American Institute of Steel Construction, is used throughout. In addition, the requirements of the 1997 [2002] AISC Seismic Provisions for Structural Steel Buildings are followed where applicable.

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design concept & rationale of steel structures. 5 What's steel structure? architecture structure steel structure Architecture Structure Steel structure. 6 ... steel structures involve sub-structure or members in a building made from structural steel SHANGHAI STADIUM

Dr. Xianzhong ZHAO x.zhao@mail.tongji.edu - sals.org.cn

EARTHQUAKE RESISTANT DESIGN OF STEEL STRUCTURES. Version II 45 - 1 EARTHQUAKE RESISTANT DESIGN OF STEEL STRUCTURES 1.0 INTRODUCTION Earthquakes are natural phenomena, which cause the ground to shake. The earth's interior is hot and in a molten state. As the lava comes to the surface, it cools and new land is formed.

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