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structural steel in particular offers construction and other industries numerous advantages based on the steel s material compositions and shape options the combination of these factors can give structural steel various mechanical properties that are well suited to specific applications

structural steel wikipedia

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strength having high strength stiffness toughness and ductile properties structural steel is one of the most commonly used materials in commercial and industrial building construction constructability structural steel can be developed into nearly any shape which are either bolted or welded together in construction

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structural steel construction offers the following advantages as compared with concrete economical bay size of 42 x 30 feet which is much larger than when using concrete high seismic performance flexibility to match current architectural trends for building statements completion of a steel structures involves several key players

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in structural steel taking full advantage of the many attributes that make steel the ideal structural material this booklet is divided into seven sections why steel will introduce you to the benefits that structural steel and only structural steel can bring to any building project

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structural steel is any category of steel with a carbon content of up to 2.1% of its total weight the higher the carbon content the higher a piece of steel's yield strength meaning it is less ductile or less likely to bend or warp when pressure is applied how does carbon content affect steel

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