





Technical Features of Steel Structure Construction by Kawasaki Steel*

Synopsis:

Steel Structures in Buildings, Bridges, and Ships

scale structural experiments, as well as research on techniques for durability improvement which includes fatigue, brittle fracture, and corrosion resistance.

which makes it possible to predict the mechanical behavior of the said parts with high accuracy.

The requirements of joining work in beam-column

2.1.3 Efficiency improvement in steel skeleton

space below roadways,¹¹⁾ and is currently taking orders





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design and economy and is therefore expected to be used in practical applications in port structures.

3.2.2 Shore protection structures

Steel sheet pile and sheet pipe pile, which are principal construction materials for civil engineering, are used as the outer shell in sand-filled "double-walled structures"²⁷⁾ which serve as revetments and coffering for underwater work. In this type of structure, the water

and a slit type wave dissipation revetment has been developed as a structure which applies wave dissipation techniques. This structure is simple, comprising steel pipe piles placed at appropriate intervals, but can easily realize a wave dissipation ratio of about 50%.

4 Other Structures

A structure common to the fields of both civil and

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