

KAWASAKI STEEL TECHNICAL REPORT

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Construction of a High-Rise Rack Type Warehouse for Heavy Products

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Synopsis :

Kawasaki Steel have constructed an automatic- controlled rack-type warehouse as a part of the rationalization of the products transporting, handling and storage system at the Chiba Works. This warehouse is a high-rise rack-type one 10-tier and 28.4 m high, and stores heavy products including steel coils and sheets of a maximum weight of 11.4 t. The rack structures are earthquake-proof designed by the seismic response analysis

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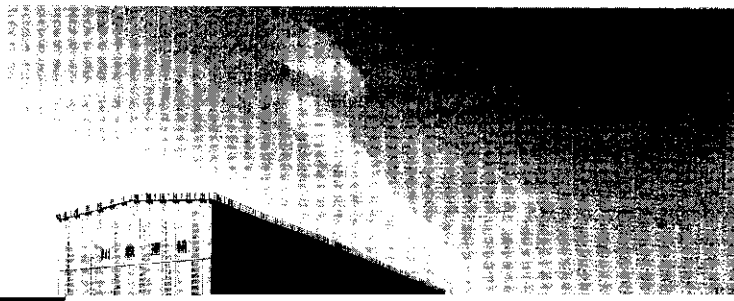
Hiroyuki Tekemoto



Junji Hashimoto

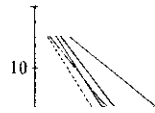
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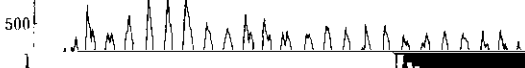


loading on the rack (2.5 t).

- (2) Vertical live loads imposed constantly on rack structure and foundation piles were 9.0 t and 8.4 t per



1000 (a) Vibrating table



gals. It is almost the same in every case using other seismic waves. That is considered due to the sliding of both pallets and coils. The mean of the maximum case

tower crane

