## ] î0 5r • KAWASAKI STEEL GIHO Vol.20 (1988) No.4

 $+ \pi \ddot{a} d8$  ? }  $^{\bullet}9x ^{TM} S4 ^{@}>+ ^{3}4(\$\tilde{N}/^{\circ} \pm 0\{8b @}>+ b^{*}\bullet 7\dot{E}0;0£$ 

Aseismic Design of High-Rise Thin Shell Structure >+the Goddess-of-Mercy Statuce#in Militrokazu Y

## (Yasufumi Kuroki)

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## Synopsis:

The statue of the •Goddess of Mercy (Tendo -Hakui -Kannon)" is a reinforced concrete structure with a height of 100 meters. To predict the elastic and plastic behavior o f this statue in a major earthquake, a basic design model was adopted in which a series o ellipsoids approximates the configuration of the statue. Aseismic safety was also examined with respect to the complex surfaces unique to the statue using structural analysis models. As reported here, the aseismic design of the statue involved analysis methods applicable to high- rise>\*free-form thin shell structures.

(c)JFE Steel Corporation, 2003

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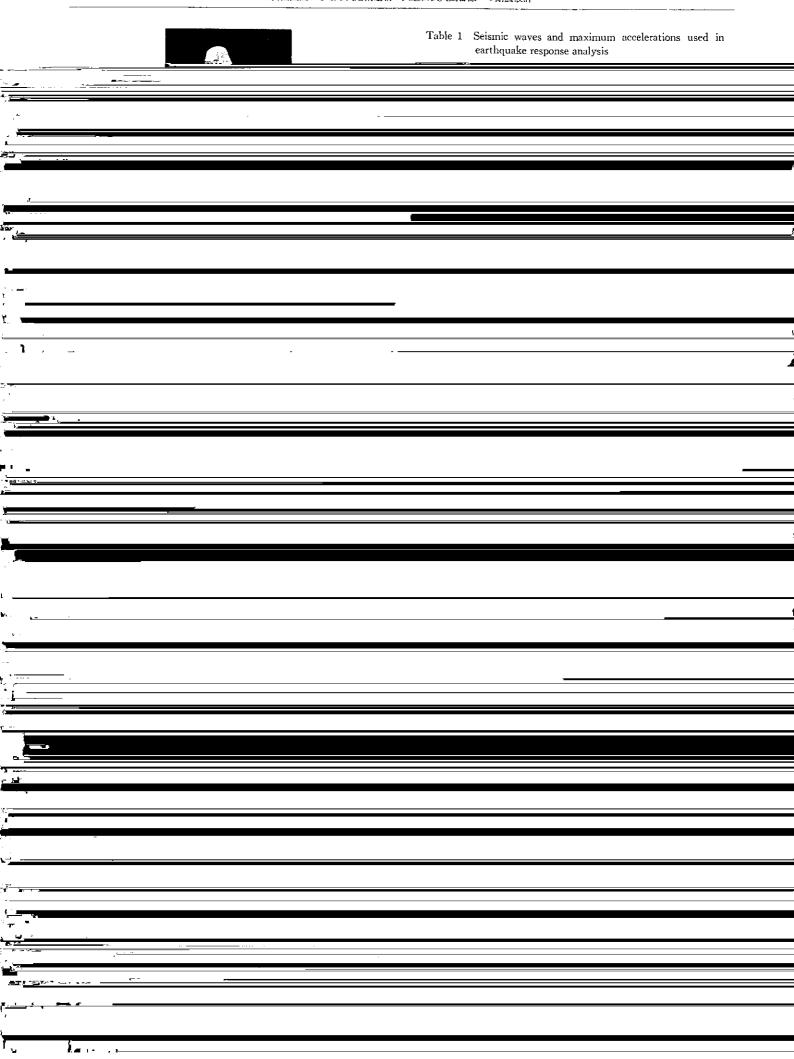
## 自由曲面からなる高層構造物—天道白衣大観音像— の耐震設計\*

川崎製鉄技報20 (1988) 4, 337-343

Aseismic Design of High-Rise Thin Shell Structure—the Goddess-of-Mercy Statue in Sendai

更旨





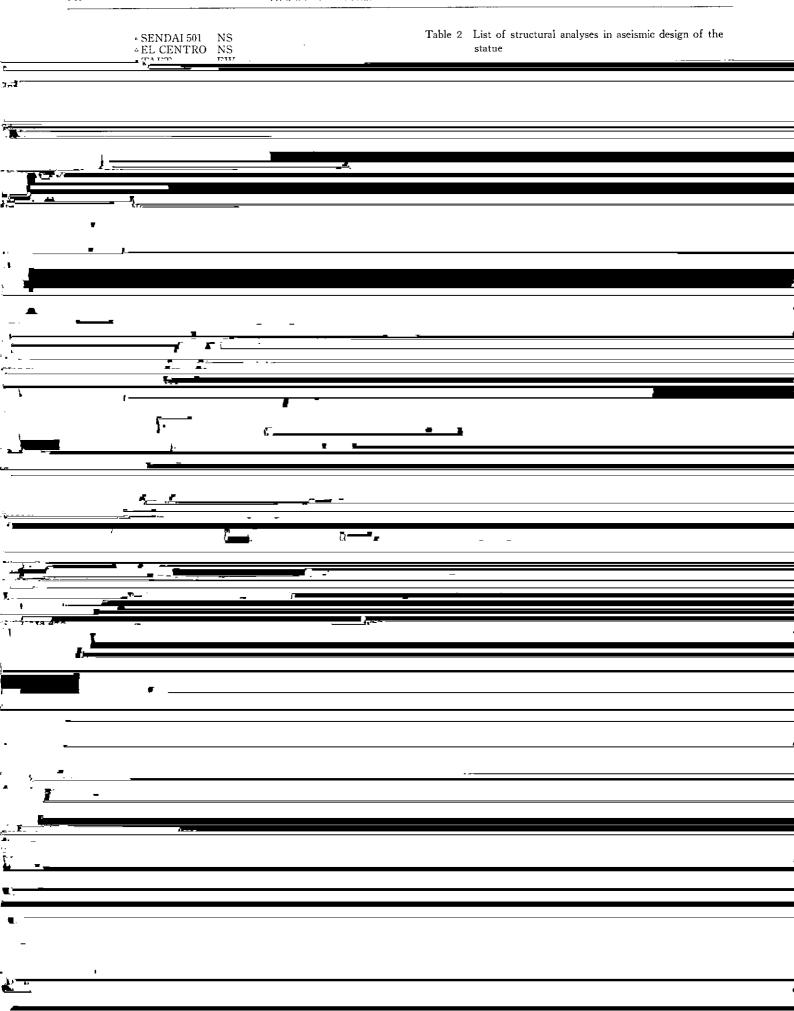




	Table 4 Maximum response t	Table 4 Maximum response to SENDAI 501 earthquake at the lowest layer of the statue*4			
		*1 Response to UD wave*2	SRSS methods*3	Response to NS & UD	
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