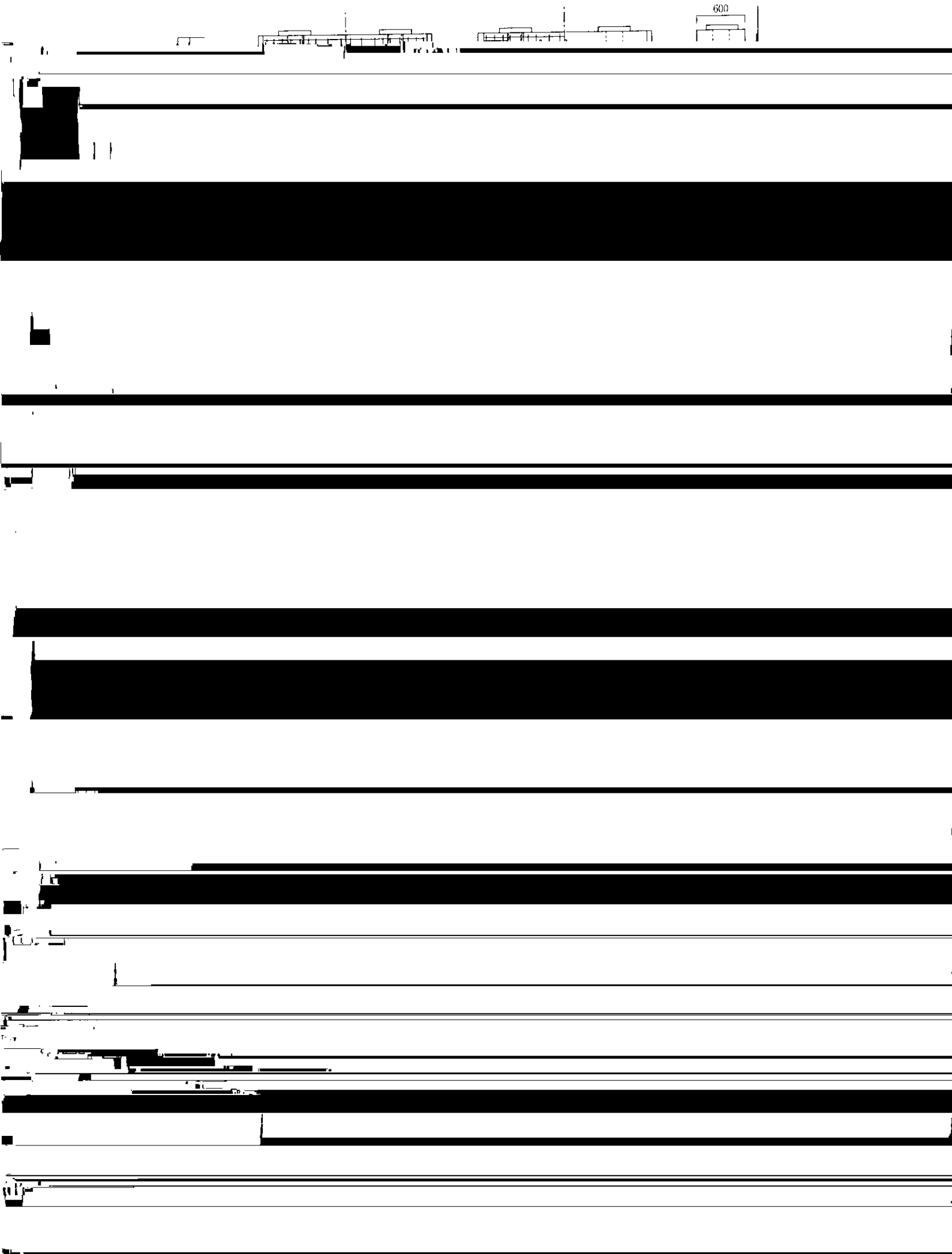
KAWASAKI STEEL TECHNICAL REPORT No. 39 October 1998

Shear Capacity of CFT Column and Precast Wall Structure*

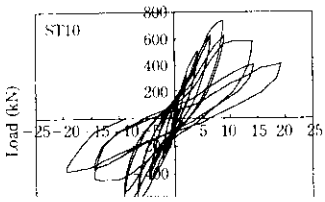
Synopsis:

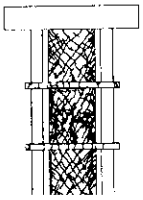
The CFT-PCa earthauake resistant wall structure

[redacted]

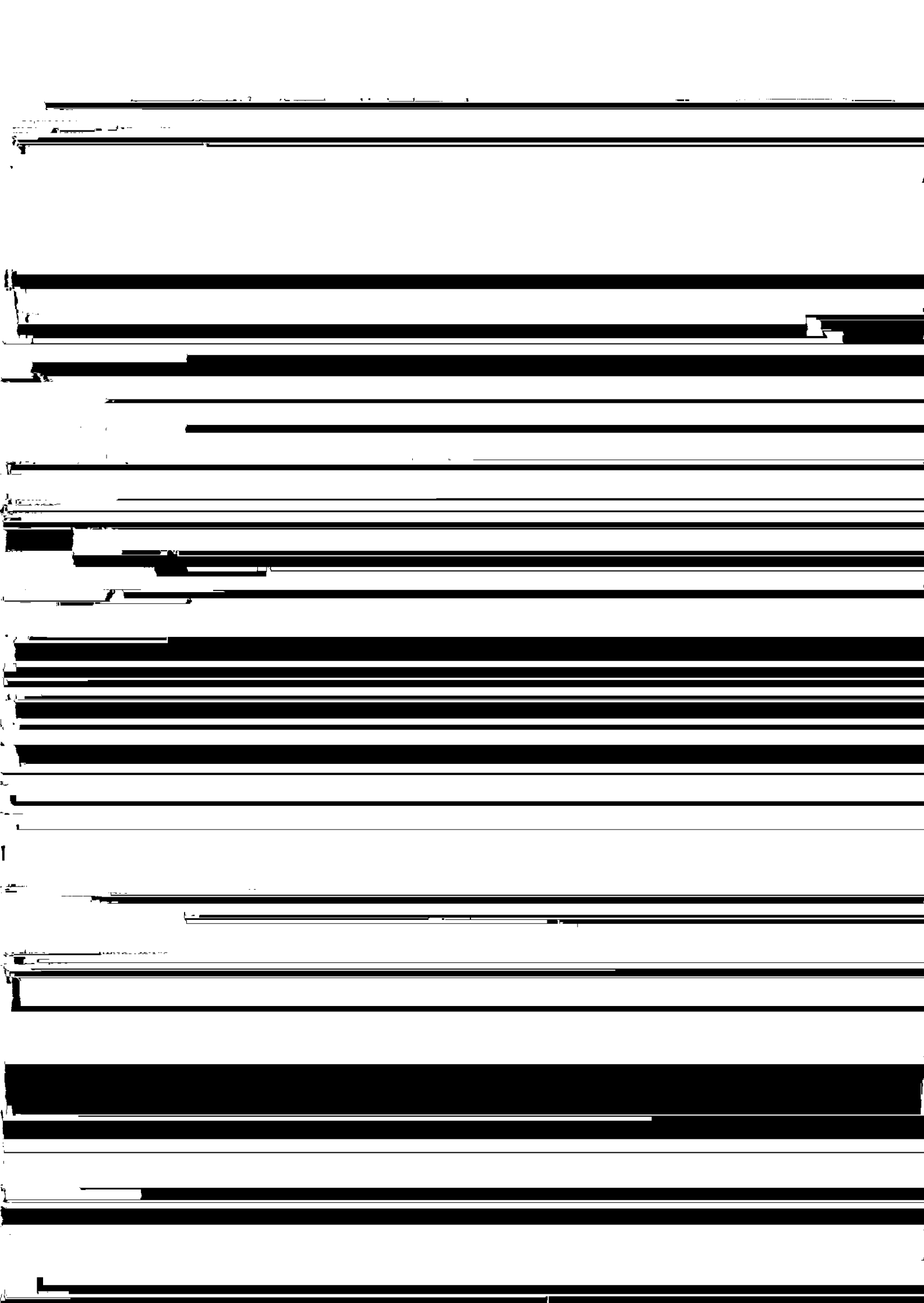

600


1960kN
Jack





reinforcing bars welded on the T-bar of the second floor started to yield as a result of tension. However, the load of the structure continued to increase even beyond that point and at the point of 7.5×10^{-3} radians, tensile strain in the anchor reinforcing bars increased. At the same time, the horizontal reinforc-




ST10

by least square approximation. Although scattering in a

lated on the basis of the method reported in the litera-

$$lwa = l' + Dc + \Delta lwa,$$

$$\Delta lwa = V/\cos\theta \cdot \sqrt{12 \cdot Mcp/\lambda vEc \cdot tw \cdot (1 - \beta)}$$

umn into consideration

(3) Maximum strength can be accurately estimated