

NAKANO LAB.

[Seismic Damage Estimation of RC Building Structure]

Department of Fundamental Engineering

<http://sismo.iis.u-tokyo.ac.jp/>

Earthquake Engineering / Structural Engineering

Faculty of Engineering,
Dept. of Architecture

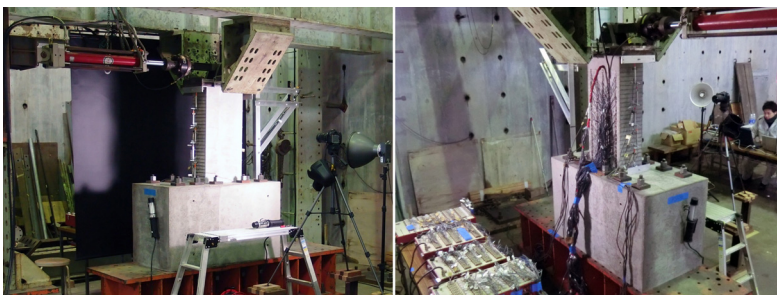
Damage Estimation of Reinforced Concrete Building Structures During Earthquakes

On the subject of STRUCTURAL ...

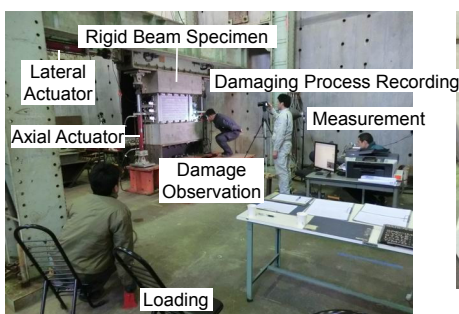
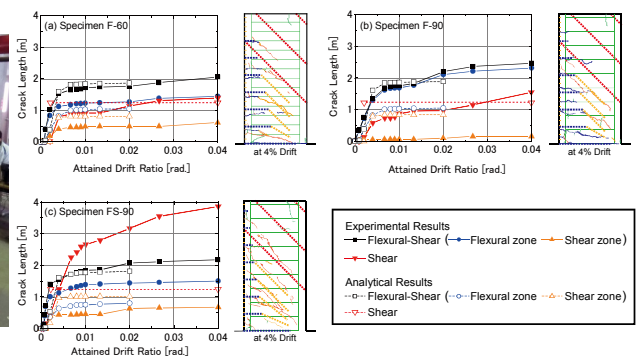
MEMBER : Seismic Crack Length Evaluation of RC Members

FRAME : Seismic Performance Evaluation of RC Frames with URM Infill

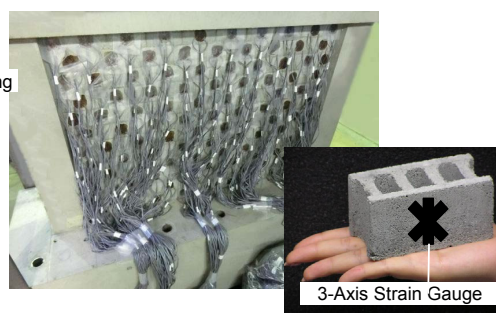
SYSTEM : Response Characteristic of RC Buildings due to Impact Loading of Tsunami- drifted Bodies



(a) Front view of the specimen FS-90 (b) Rear view of the specimen FS-90
Test Setup

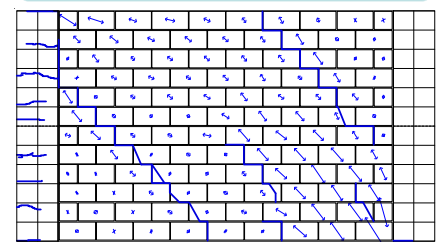


Test Setup

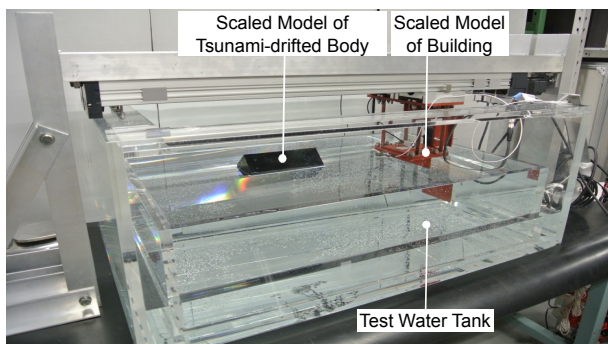


3-Axis Strain Gauges of CB Wall

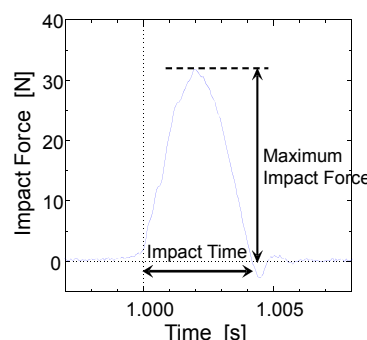
Investigation of seismic capacity (Diagonal strut mechanism · Shear strength)



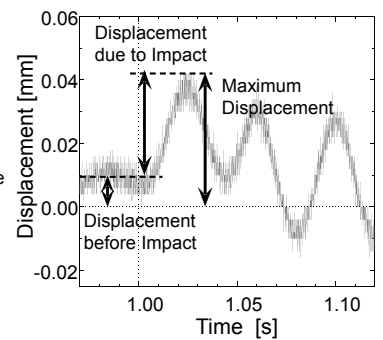
Principal Compressive Strain of CB Wall



Test Setup



Impact Force & Impact Time



Response of Scaled Model of Building