



Observation of Seismic Response Reduction on Response Controlled Building during an Earthquake

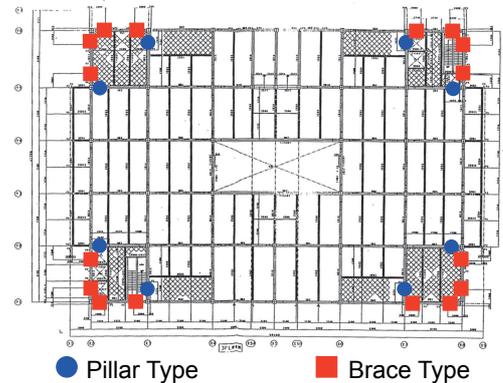
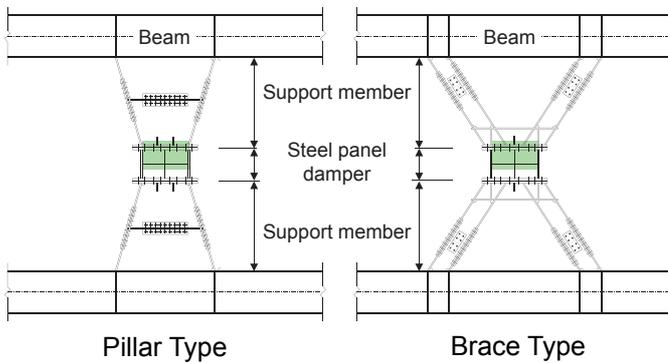
Building Overview

Site : Fuji-City, Shizuoka Pref.
Completion : 1997
Structure : Steel Structure
Floors : 7F
Building Area : 2,446m²

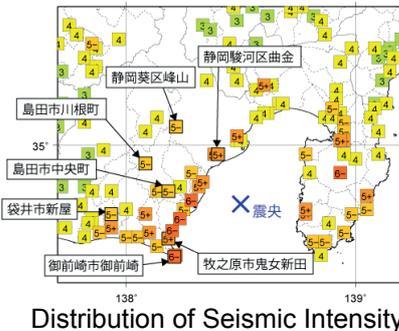


Exterior of Objective Building

Installation of Damper

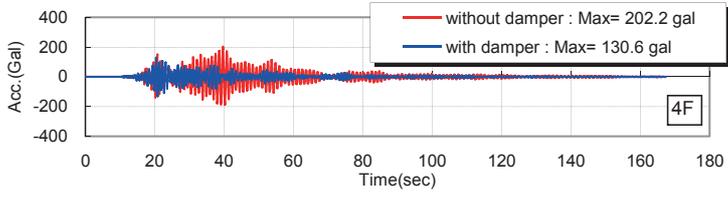
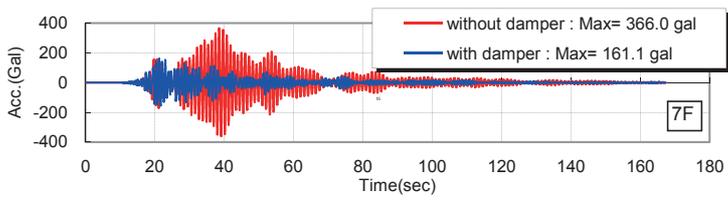


Effectiveness of Response Control System

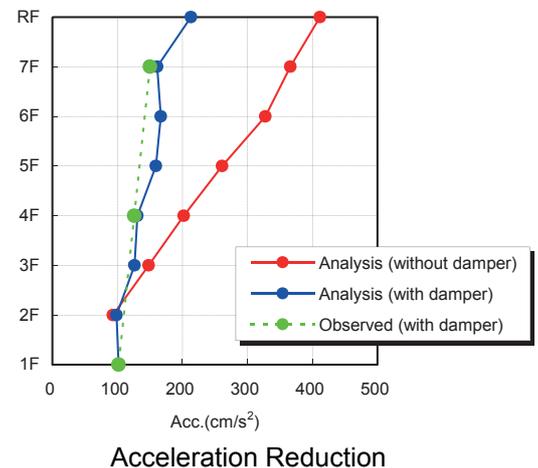


Date: 2009/8/11
Magnitude: 6.5
Epicenter: Suruga-Wan
Depth: 23km
Intensity: 4(at building)

- Numerical simulations of buildings with and without dampers were carried out using observed earthquake waves.
- It can be presumed that the maximum acceleration was reduced to about 50% due to the response control system.



Acceleration History



Acceleration Reduction