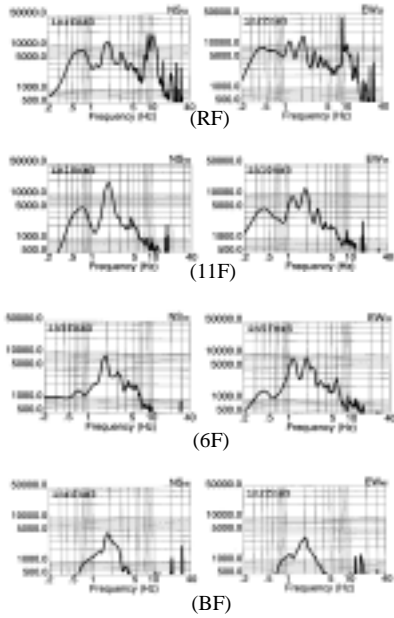


## Preliminary Report of Microtremor Measurement on Interacciones

Date of measurement : July 23<sup>rd</sup>, 2001

- Fourier Spectrum of North Point -



- Fourier Spectrum of South Point -

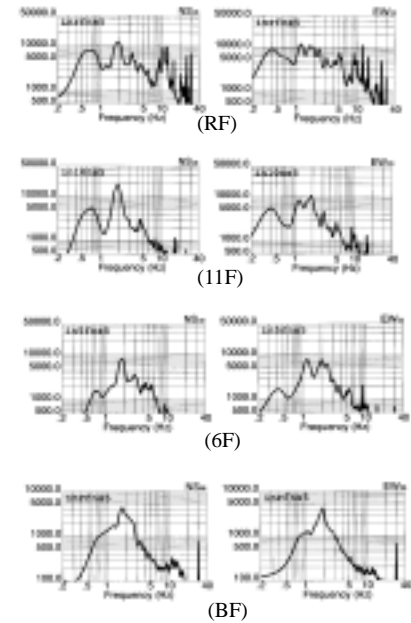


Fig.1 External appearance of measured building

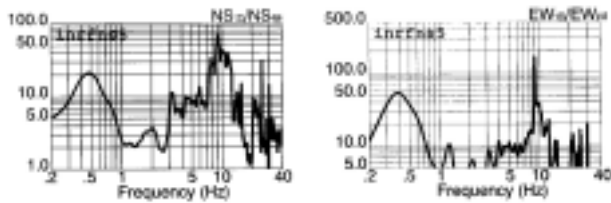


Fig.2 Estimated quasi-transfer spectrum of north point on the roof

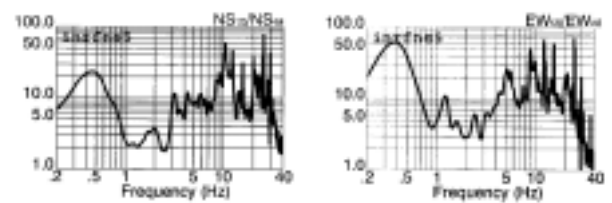


Fig.3 Estimated quasi-transfer spectrum of south point on the roof

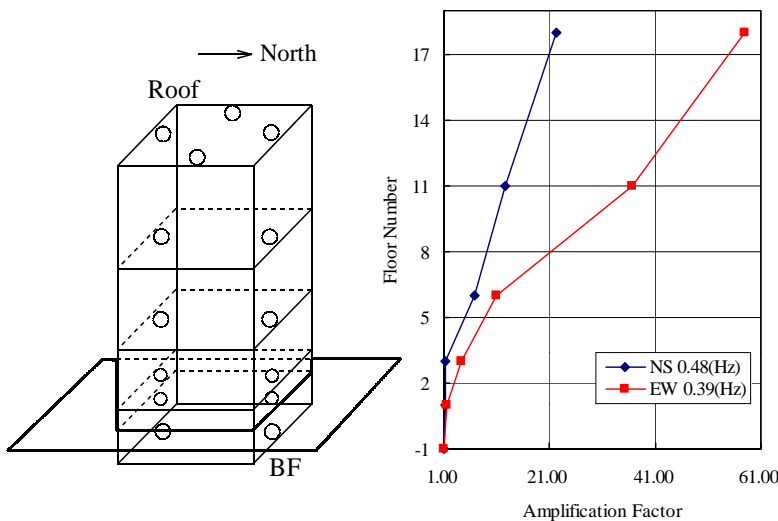


Fig.4 Measurement points on each floor and vibration mode

### Predominant Frequencies

Statistic value

$$F = (10 \sim 16)/N$$

$$= 0.59 \sim 0.94(\text{Hz})$$

Measurement value

NS component  $F=0.48(\text{Hz})$   
 EW component  $F=0.39(\text{Hz})$

F: Frequency (Hz)

N: Number of stories (Floor)