

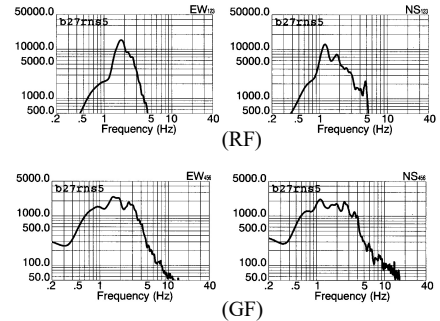
Preliminary Report of Microtremor Measurement on 2 de Abril

Date of measurement : November 19th, 2000



Fig.1 External appearance of measured building

- Fourier Spectrum of North Point -



- Fourier Spectrum of West Point -

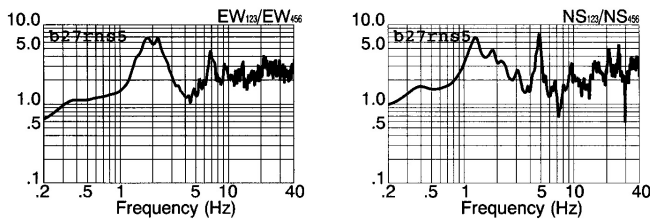
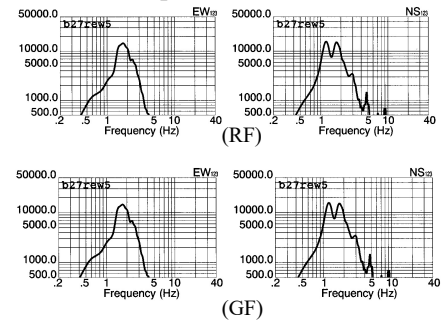


Fig.2 Estimated quasi-transfer spectrum of north point on the roof

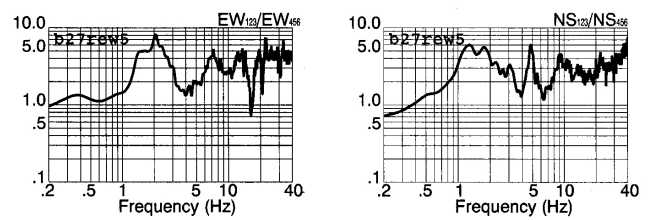


Fig.3 Estimated quasi-transfer spectrum of west point on the roof

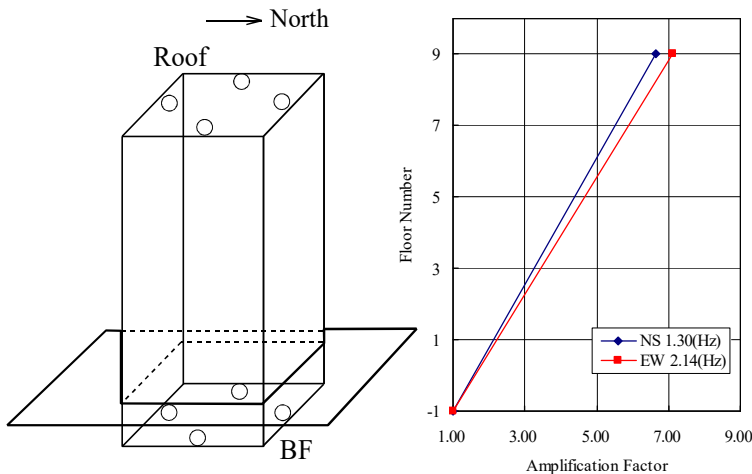


Fig.4 Measured points on each floor and vibration mode

Predominant Frequencies

Statistic value

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

$$= 1.11 \sim 1.78(\text{Hz})$$

Measured value

NS component F=1.30(Hz)

EW component F=2.14(Hz)

F: Frequency (Hz)

N: Number of stories (Floor)