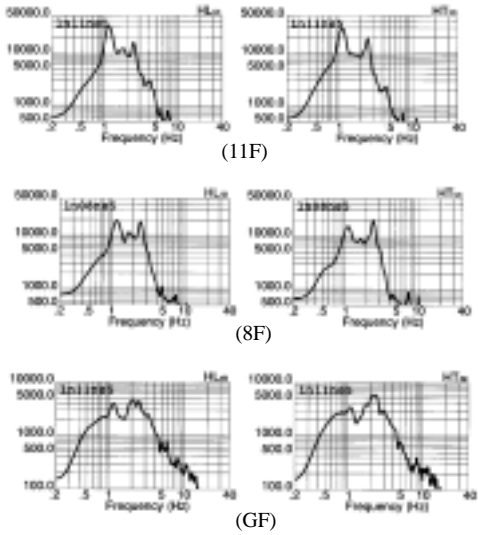


Preliminary Report of Microtremor Measurement on Londres

Date of measurement : October 28th, 1999

- Fourier Spectrum of North Point -



- Fourier Spectrum of East Point -

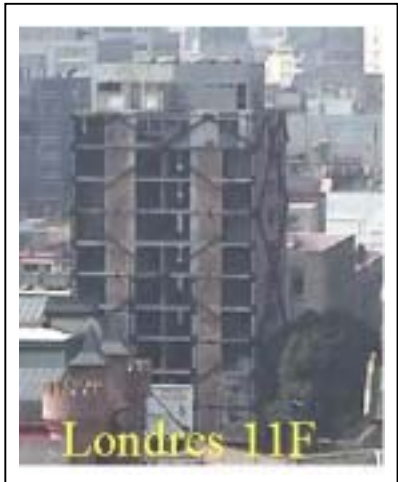
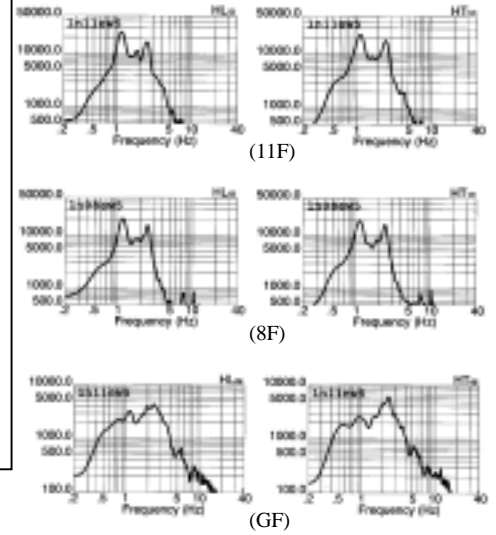


Fig.1 External appearance of measured building

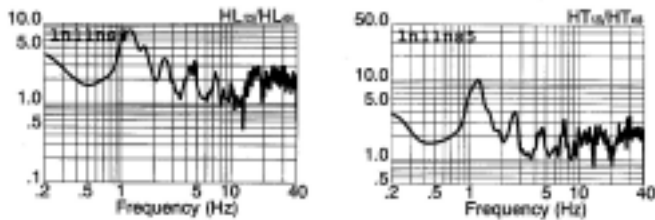


Fig.2 Estimated quasi-transfer spectrum of north point on the roof

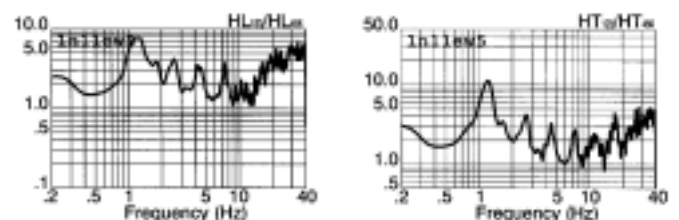


Fig.3 Estimated quasi-transfer spectrum of east point on the roof

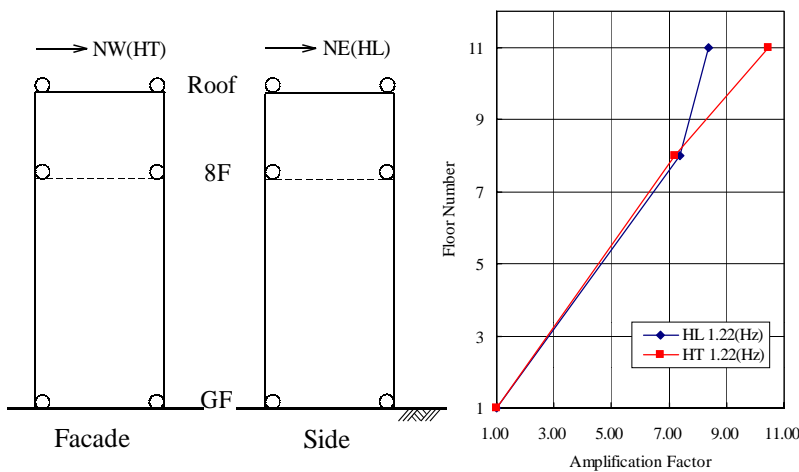


Fig.4 Measured points on each floor and vibration mode

Predominant Frequencies

Statistic value

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

$$= 0.91 \sim 1.45(\text{Hz})$$

Measured value

NS component F=1.22(Hz)
EW component F=1.22(Hz)

F: Frequency (Hz)

N: Number of stories (Floor)