

Preliminary Report of Microtremor Measurement on Dr. Barragan's house

Date of measurement : October 30th, 1999



Fig.1 External appearance of measured building

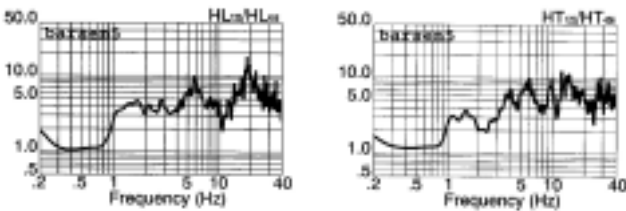


Fig.2 Estimated quasi-transfer spectrum of north-west point on the roof

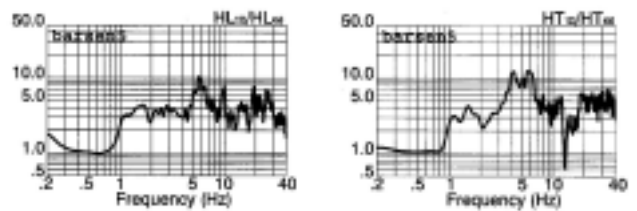


Fig.3 Estimated quasi-transfer spectrum of south-east point on the roof

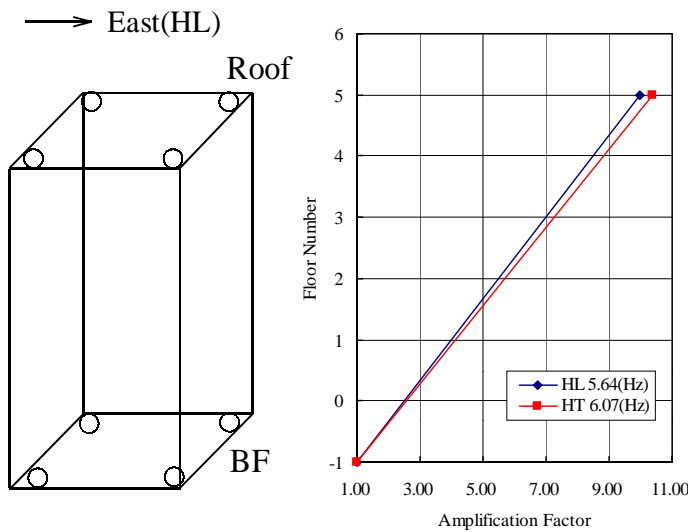


Fig.4 Measured points on each floor and vibration mode

Predominant Frequencies
Statistic value

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

$$= 2.00 \sim 3.20(\text{Hz})$$

Measured value

HL component $F=5.64(\text{Hz})$
HT component $F=6.07(\text{Hz})$

F: Frequency (Hz)
N: Number of stories (Floor)