

Preliminary Report of Microtremor Measurement on Condominio Reforma

Date of measurement : November 20th, 2000

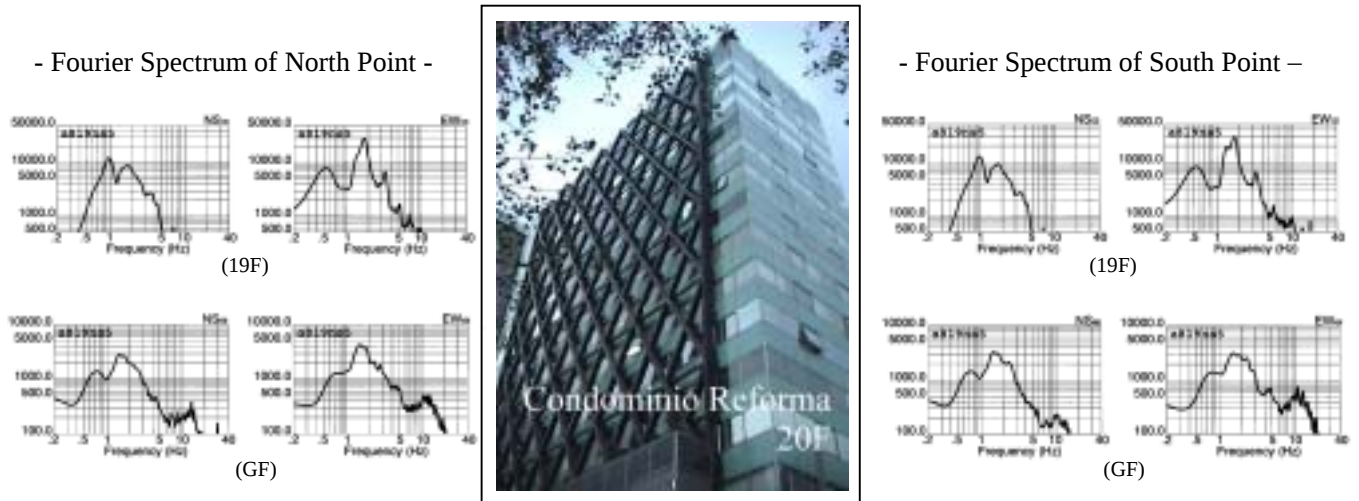


Fig.1 External appearance of measured building

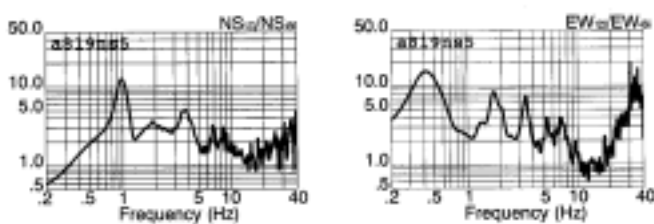


Fig.2 Estimated quasi-transfer spectrum of north point on the roof

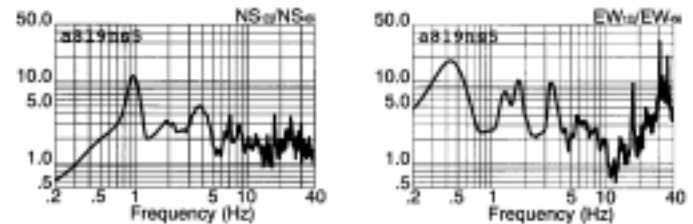


Fig.3 Estimated quasi-transfer spectrum of south point on the roof

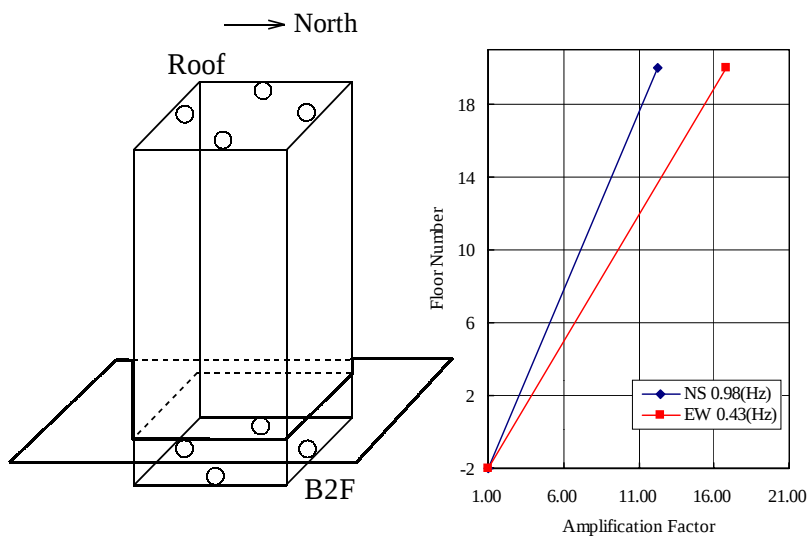


Fig.4 Measured points on each floor and vibration mode

Predominant Frequencies

Statistic value

$$F = (10 \sim 16)/N \\ = 0.50 \sim 0.80(\text{Hz})$$

Measured value

NS component $F=0.98(\text{Hz})$
EW component $F=0.43(\text{Hz})$

F: Frequency (Hz)

N: Number of stories (Floor)