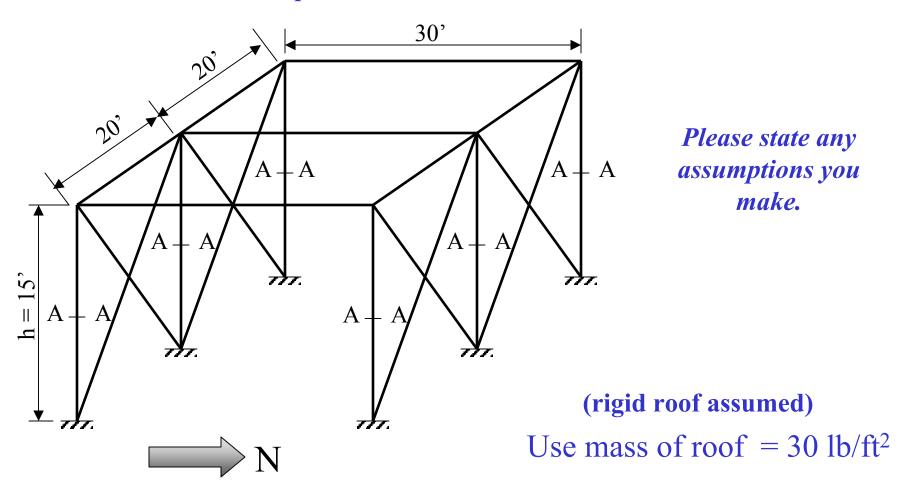
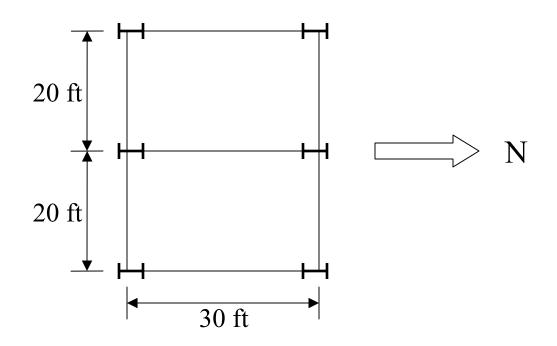
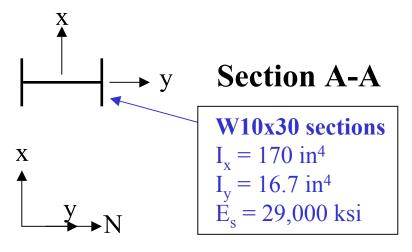
Bracing Homework Assignment

Suppose you're designing the frame shown below to have equal stiffness in the N-S and E-W directions. Determine the required diameter of the braces. Calculate the Natural Frequencies of the Frame in the N-S & E-W directions.







For the Braces use:

$$E_s = 29,000 \text{ ksi}$$

A = ?