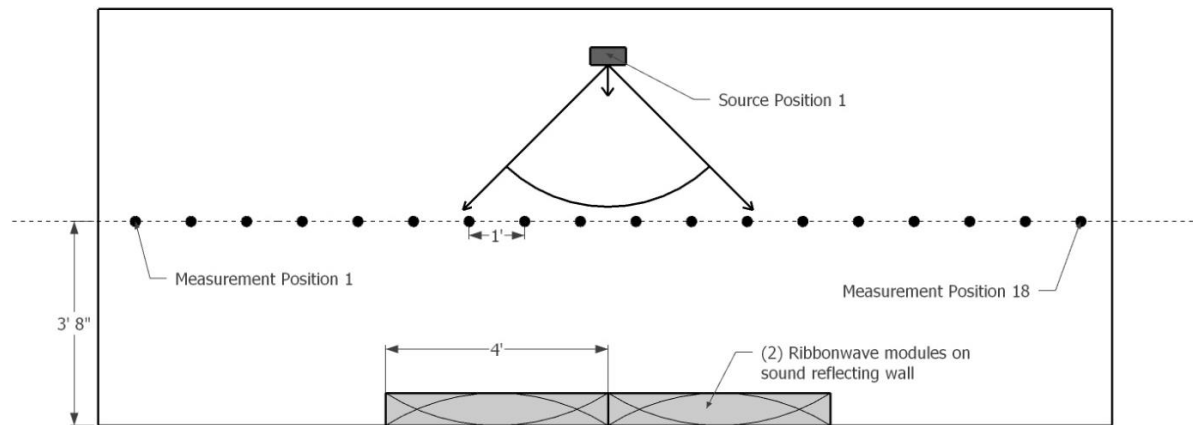


Diffusion Measurements

For the diffusion measurements, we measured impulse responses at evenly spaced receiver positions along a line between the sound source and a solid wall. First, a set of baseline measurements was made without the modules on the wall, and then the measurements were repeated with (2) 4x4 modules on the wall. The linear impulse responses are plotted for each measurement position to “visualize” the direct and reflected sound waves with and without the modules present. Measurements were completed for 2 different sound source positions indicated in the diagrams below:

Source Position 1 (normal incidence)



Source Position 2 (grazing incidence)

