

An ultra-quiet recording studio required a commercial rooftop unit that was silenced to achieve less than NC-15.

PROBLEM: Rooftop noise

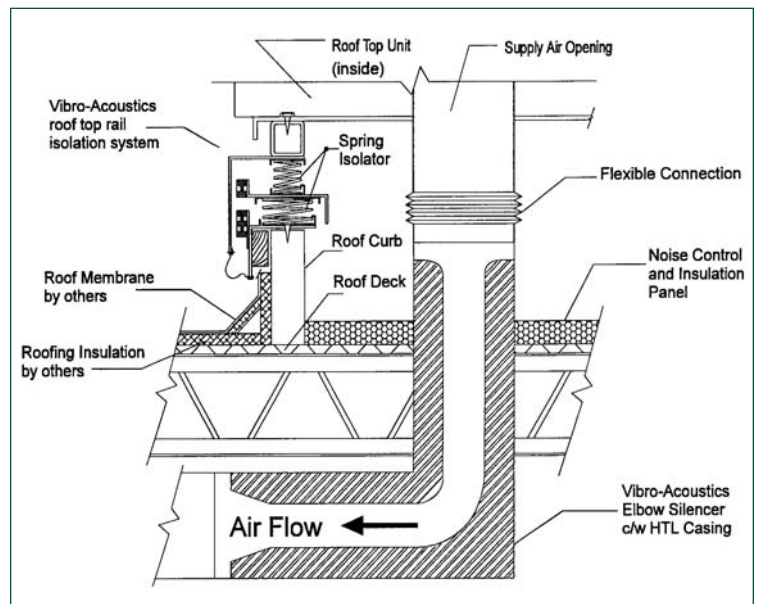
This post-production facility, used for adding sound tracks to film productions, was incorporated into an existing building. Noise levels were critical to maintain the recording quality. Strategic placement of mechanical equipment over projection rooms helped keep mechanical noise levels in studios below NC-15.

SOLUTION: Noise control package

Acoustical and mechanical consultants specified a Vibro-Acoustics rooftop noise control package with rooftop curbs, unit support channels, noise control insulation panels, spring isolators with a deflection of 3 inches, elbow silencers with HTL casings and flex connections. This package, with the addition of Vibro-Acoustic silencers placed downstream at the studios, was designed to control the noise and vibration from the rooftop units. Foley Studios achieved NC-11 in a facility which is now recognized as one of the best of its kind.



This standard commercial rooftop unit required special noise control treatment including strategic rooftop placement.



Vibro-Acoustics' noise and vibration control package was designed to meet the project's critical specifications.