



## HOUSING COMPLEX AND COMMUNITY SPACE

# PS 90

Conversion of a 100-year old school building resulted in a 75-unit housing complex and a community space on the two lower ground floors. Acoustic expertise was sought to investigate options to improve sound isolation of the boiler room, rooftop mounted exhaust fans, and elevator machine room for the newly renovated residential building.

The study and report included sound measurement and assessment of the existing acoustic environment. AD recommended vibration isolation for all pumps and associated piping within the boiler room to reduce the level of noise. Mechanical contractor was recommended to inspect the exhaust fan associated with the bedroom space. Wall treatment was another option considered to improve air distribution system noise. The study also addressed the intrusive noise from the elevator machine room. The conclusion of the sound vibration assessment in the elevator machine room determined no reverberant sound level build up.

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### CLIENT

West 147<sup>th</sup> Street Associates, LLC

### LOCATION

Harlem, NY

### PROJECT TYPE

Adaptive Re-use / Study

### COMPLETE

2010

### ARCHITECT

Curtis & Ginsberg Architects, LLP

### CONTACT

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### SCOPE

Acoustics