



Riverdale Country School - New York

Architect: Platt Byard Dovell White

Client: Riverdale Country School

Completion: 2015

Longman Lindsey provided an acoustical review for two projects at Riverdale Country School: the Zambetti athletic center building renovation and new natatorium. The Zambetti building includes a full-sized gymnasium that seats 450 people and features a regulation-sized full court and two smaller courts. The existing swimming pool and gallery area were converted into a practice gymnasium. The natatorium is also located in a new building.

The Zambetti building renovation converted the existing pool at the lower level into a practice gym and renovated the competition gym located directly above it into a multifunction space. Our recommendations included adding acoustic and Lapendary baffles to the gym, locker rooms, and lobby as well as partition constructions in the locker rooms. We also worked with structural engineers on reinforcement sufficiency.

Acoustic issues related to the new natatorium included reverberation and overall buildup of noise within the pool and spectator areas, sound transmission to future multi-purpose rooms, and sound transmission from the building and associated mechanical equipment to nearby residential buildings. Our recommendations included acoustic decking, wall treatments, and review of mechanical equipment noise for compliance with NYC Noise Code.