



NOVUS
ENGINEERING

Brighter Choice Acoustical Projects Albany, NY



Novus Engineering, P.C. conducted architectural acoustical analyses for a number of Brighter Choice Schools in Albany, NY including:

- Achievement Academy Charter School, South Dove Street (work completed in 2005)
- KIPP Tech Valley, Dudley Heights (work completed in 2005)
- Brighter Choice Charter School for Boys, North Lake Avenue (work completed in 2006)
- Henry Johnson Charter School, Watervliet Avenue (work completed in 2006, 2007)
- Green Tech Charter High School, Northern Boulevard (work completed in 2007, 2008)
- Albany Community Charter School, Krank Street (work completed in 2007)
- Albany Leadership Charter High School for Girls, Hackett Boulevard (work completed in 2009)
- Brighter Choice Charter Middle School (work completed in 2010)

Novus reviewed both estimated reverberation times for critical spaces and Sound Transmission Class (STC) ratings for partitions between adjoining spaces. Where feasible, Novus presented recommendations to reduce the reverberation times or increase the STC ratings for various assemblies. The level of analysis varied for each project, but generally focused on typical problem spaces such as gymnasiums, cafeterias, music rooms, and libraries. Recommendations included such items as:

- Extending walls from floor to deck, minimizing cross-talk between rooms
- Revising wall designs to achieve better STC ratings
- Spacing electrical outlets on opposite sides of the walls at least 24" apart
- Upgrading the type of acoustical ceiling tile used
- Adding absorptive wall panels
- Selecting an appropriate roof deck type and material
- Adding reflective wall and ceiling diffusers in music rooms
- Adding Sound Cell blocks into the masonry block wall
- Leaving masonry blocks unpainted
- Installing acoustical baffles
- Resizing ductwork to reduce air flow velocity
- Adding acoustical lining to ductwork
- Adjusting ductwork layouts and adding ductwork insulation to reduce duct rumble
- Providing custom sound-proofing details for RTUs mounted over occupied spaces

Brighter Choice Acoustical Projects Albany, NY

