

# driftwood audio

## audio, acoustics & technology

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## selected project list

### Sanctum Sound, Boston Facility

Client.....Sanctum Sound  
Location .....Boston, MA  
Scope.....Recording Facility Design  
Completed.....Spring 2005  
Reference .....Leo Mellace @ 617-899-3749

Sanctum Sound is an urban production studio in Downtown Boston that specializes in artist development. We handled all aspects of the facility design, including HVAC noise, room acoustics and equipment layout. We also provided as-built CAD drawings and construction supervision.



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### Rhode Island Philharmonic Music School, Carter Center

Client.....William Kite, Architect  
Location .....Providence, RI  
Scope.....Recording Equipment Specification  
Completed.....Under Construction  
Reference .....Matt Moore (Cavanaugh Tocci Associates, Inc.) @ 978-443-7871  
*Acoustical consulting provided as a Cavanaugh Tocci Associates project.*

Sound recording was a top priority when the Philharmonic Music School began design of their Carter Center facility expansion. We designed a recording system with fixed microphones in the concert hall, as well as additional tie-lines for multi-track recording back to the adjacent control room. We also specified microphones, recording hardware, studio furniture and acoustical treatments to ensure an accurate critical listening environment in the control room.

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### Tufts University, Cohen Auditorium

Client.....Perkins and Will, Architects  
Location .....Medford, MA  
Scope.....Gamelan Practice Room to Concert Hall Sound Isolation  
Completed.....Fall 2008  
Reference .....Tony Hoover (McKay, Conant and Hoover) @ 818-991-9300  
*Acoustical consulting provided as a Cavanaugh Tocci Associate project.*

The Music Department at Tufts University is home to numerous ethnic music ensembles. The Gamelan ensemble had a reputation for spreading throughout the building ("structure-borne" sound), so when a new practice space below Cohen Auditorium became available, we were asked to ensure that the Gamelan music "would not be heard" above. We studied the sound and vibration emissions of traditional Gamelan instruments to understand their potential to impact performances in the auditorium and applied this information to the design of floating-floor assemblies and steel-spring ceiling suspension systems.



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**Gallaudet University**

Client.....Smith Group, Architects  
Location .....Washington, DC  
Scope.....HVAC Noise Analysis and Control  
Completed.....Spring 2006  
Reference .....Tony Hoover (McKay, Conant and Hoover) @ 818-991-9300  
*Acoustical consulting provided as a Cavanaugh Tocci Associate project.*

Low background sound levels are critical for speech communication, particularly when the listener suffers from reduced hearing function. Gallaudet University is a national pioneer in deaf education, and as such needed to ensure low HVAC sound levels in all learning spaces. We reviewed literature on the subject, suggested appropriate criteria and predicted system noise levels. In addition to duct silencers and low-noise louver selection, we recommended variable frequency drive systems for major equipment, which significantly reduce noise and lower operating cost and energy consumption.

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**Scott Riebling**

Client.....Scott Riebling, Owner  
Location .....Boston, MA  
Scope.....Recording Facility Design  
Completed.....Under Construction  
Reference .....Scott Riebling @ 617-943-3222

Scott Riebling is a Grammy-winning musician, producer and engineer who recently started construction on a professional recording complex in his home. Resilient structural connections have yielded excellent sound isolation from the main structure. The facility features a control room with custom-designed front wall geometric diffusers and tuned membrane bass traps, as well as a palette of interesting acoustical "zones" in the live rooms. The majority of the acoustical treatments we employed were made from post-industrial recycled cotton (from blue jeans manufacturing). This material has remarkably uniform sound absorption characteristics, as well as significantly lower VOC emissions than glass fiber batt insulation.

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