

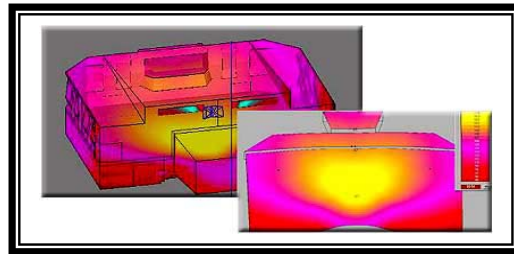


Acoustical Consultants and Noise Control Specialist
LPES works with architects, government agencies and private organizations to design acoustically suitable spaces that are functional and esthetically pleasing.

Acoustical Design

We at LPES help create acoustical environments suited to specific uses. Acoustical design in early stages can reduce project costs for sensitive spaces. Classrooms, churches, offices, telecommunication suites and theaters are some of the spaces LPES can help design.

- **Architectural Noise Modeling**
 - Noise and noise control quantification in the design stages
- **HVAC Noise Control and Design**
 - Fan and duct selection, placement and isolation
- **Sensitive Receptor Services**



Acoustical Reengineering

We at LPES can work with you to reduce existing reverberation, eliminate noisy or annoying sounds or address any number of structural acoustic issues.

- **Noise Measurement**
 - Field STC/NIC Measurements (ASTM 336/ASTM 413)
 - Evaluation of Room Noise (ANSI S12.2)
 - Reverberation time (RT-60) measurements for all frequencies
 - Room Criterion (RC): Measure background and HVAC noise to characterize suitability for normal communications
 - Balanced Noise Criterion (NCB): Evaluate conversation suitability.
 - Hearing Threshold Level (HTL): Evaluate recording suitability.
 - Evaluation of Acoustical Guidelines for Schools (ANSI 12.60)
 - Source characterization for source specific solutions
 - Before and after acoustical measurements
- **Acoustical Material Selection, Placement and Design**
 - Reengineering acoustical hotspots
 - Specific material and configuration solutions for specific noise problems
 - Reflector design for no reduction in source

“Operationally oriented, technically sound.”

“...more than 15 years of engineering experience; primarily in acoustics, noise prediction and control...”

Principal

Timothy Lavallee, P.E., Principal/Senior Engineer, has more than 15 years of engineering experience; primarily in acoustics, noise prediction and control. Mr. Lavallee holds engineering degrees from Tufts and Northeastern University. Before founding LPES, Mr. Lavallee established and developed a noise services branch for a midsize engineering firm. Mr. Lavallee’s core technical experience was developed working as an acoustics engineer for NASA Langley’s Structural Acoustics Branch. Mr. Lavallee is a member of the Acoustical Society of America, Institute of Noise Control Engineering, Society of American Military Engineers and American Society of Civil Engineers. He has authored numerous professional and technical publications in acoustics.

Select Clients

A.P. Hill Regional Jail	Immigration Naturalization Service
Air Combat Command	International Paper
Alfa Laval	Lockheed Martin
Andrews AFB	Marine Base Camp Lejeune
AT&T	Massachusetts Port Authority
Boston Logan International Jetport	NASA
Buckley AFB	RRMM Architects
Cemtech	PMA Architects
City of Chesapeake	Pope AFB
City of El Paso	Richmond Power Enterprises
City of Little Rock	Rust Environmental
City of San Antonio	Shenandoah National Park Service
Cogentrix, Inc.	Southern Electric International
Clark Nexsen	Texas Army National Guard
Dallas/Fort Worth International Airport	Texas Department of Transportation (TXDOT)
Department of Energy	Texas Utilities (TXU)
Environmental Protection Agency	United States Air Force
Federal Bureau of Investigation	United States Navy
Geo-Marine, Inc.	United States Public Health Service
Hampton University	Vigyan, Inc.
Hanscom Airfield	Virginia Institute of Technology

Some Recent Projects

Downing Gross Cultural Center Theater Design (PMA 2005)

Turner Building Cost Evaluations of Floor Ceiling Assemblies (PMA 2005)

Jackson Memorial Hall and Museum HVAC Design (Clark Nexsen 2005)

Hague Building (RRMM 2005) Noise criteria measurements and suitability study

City of Chesapeake Firing Range (2004) Noise survey and architectural upgrades

City of Chesapeake Call Center (2004) Site evaluation and upgraded recommendations

River Park Condominium (2004) Noise survey, FSTC testing, and architectural review

Refugio Street Housing Development (GMI 2004) Noise modeling and HUD review

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