

# steven durr designs

CONSULTING - SOUND REINFORCEMENT - ROOM ACOUSTICS - STUDIO DESIGN - NOISE CONTROL

September 15, 2025

Alan Dopp  
586 Natchez Bend Rd.  
Nashville, Tennessee 37221

Dear Alan,

The listening room in your home is a unique design, built to meet the same stringent acoustic standards as a professional recording studio or concert hall. The goal was to create an environment that would complement both your spectacular Steinway Lyngdorf grand piano and your high-fidelity music system.

To that end, we provided the architect and mechanical engineer with a written noise criterion for the mechanical system. The requirements for this space were highly specialized: the system features oversized ductwork, a specifically sized unit, and strategically placed diffusers to precisely control convection, humidity, and airflow around the piano.

The room's construction methods were equally tailored to support optimal acoustics. The partitions, ceiling, and floor were assembled using multiple layers of acoustically engineered materials. Each partition was fully isolated using rubber under both the top and bottom plates to minimize vibration transmission and preserve the acoustic integrity of the space. The cost of this specialized construction was around \$420 to 500 per square foot.

We are very proud of the results and grateful for the opportunity to contribute to your vision and musical enjoyment.

Please don't hesitate to reach out with any questions or comments regarding the design or the outcome of our work.

Sincerely,



Steven Durr  
Principal, Steven Durr Designs