



## Soundproofing and Acoustics for Architects, General Contractors, and Builders

Sound Affects is a subsidiary of Beaven Ventures LLC, licensed in Arkansas as a **General Contractor** with a specialty in **Ceilings, Wall Systems and Acoustical Treatments**.

**License:** 0477500427

Sound Affects can help **save time and money** for projects that require soundproofing and acoustics, with our field-tested expertise.

- Architectural Plan Design & Consulting (Existing or New)
- Plan Check Challenges & Approval
- Material Sourcing & Custom Fabrication
- Ground Up Construction or Renovation
- Field Supervision & Instruction
- AHJ Inspection Observation & Reporting

### Projects Needing Soundproofing & Acoustics

- Office Buildings & Workspaces
- Multifamily Developments & Townhomes
- Restaurants, Bars & Clubs
- Houses of Worship
- Pet Care Facilities
- Schools, Colleges & Universities
- Medical Offices & Hospitals
- Manufacturing & Industrial Facilities
- Home Theaters
- Hotels & Convention Centers
- Fitness Studios & Gyms

### The Difference Between Soundproofing and Acoustics

- **Soundproofing** focuses on blocking sound transmission between spaces, preventing noise such as voices, music, or traffic from passing through walls, floors, or ceilings. It relies on key principles of isolation through added mass, decoupling, absorption, and airtight sealing. This approach is best addressed during the design phase for new construction or major renovations, where solutions can be integrated efficiently and cost-effectively. Retrofitting soundproofing is possible in existing buildings, but it is typically extremely invasive, significantly more expensive, and the success depends heavily on existing conditions and budget.
- **Acoustics**, in contrast, enhance sound quality within a single space by controlling reflections, echo, and reverberation to deliver clearer, more balanced sound. Absorptive or diffusive materials effectively reduce unwanted internal effects, but they do not prevent sound from entering or exiting the room. Defining and implementing acoustic solutions is typically more fluid than soundproofing, as it depends on the project's specific needs. In many cases, acoustics can be addressed later in the build. However, for projects that rely heavily on acoustic performance (such as home theaters, auditoriums, churches, recording studios, restaurants, gyms, schools, and hotels), planning and integration need to happen very early to achieve optimal results.

## How Sound Affects Can Help

- Soundproofing and acoustics are frequently unintentionally overlooked until problems emerge in a completed space. **Early attention delivers seamless, cost-effective integration that preserves budgets and avoids expensive retrofits** needed to correct poor performance after construction. Make sure to address acoustics from the very start of your planning process.
- City plan checkers often lack familiarity with the specialized details needed for high-performance soundproofing and acoustics. As a result, even code-compliant plans can face scrutiny or rejection due to this knowledge gap. **Sound Affects helps prevent delays by advising on proper code references in your drawings and ensuring you include the supporting documentation required for these less-common assemblies.**
- Successful soundproofing and acoustic projects demand specialized field expertise that goes beyond the generic designs, details, and specifications typically provided by manufacturers that are typically included in architectural plans. **Our experience helps you address the critical details that product manufacturers often do not provide.**
- Sound Affects provides thorough project analysis. We treat each assembly detail as a unique entity, which **maximizes performance, saves costs, and avoids the common mistake of using a “one-size-fits-all”** approach that is commonly used and produces poor results.
- Consumer-grade soundproofing materials often carry heavy brand markups, and many products add little benefit. Sound Affects has expertise with products that truly perform versus the ones that don't. **We help source the proper materials from vendors that distribute to installers and do not inflate their prices to consumer levels.**
- Walls are just one part of soundproofing. **Penetrations (doors, receptacles, vents, windows, lighting, etc.) demand specialized design to prevent flanking paths.** Manufacturer guidance does not address penetrations; therefore, Sound Affects field expertise provides valuable insight for the highest level of assembly performance.
- **Code Compliance:** Sound Affects provides creative, compliant solutions when standard soundproofing/acoustic details conflict with local codes, balancing performance and regulatory approval.
- Sound Affects offers expert construction oversight. Minor errors can have a significant impact in the performance of detailed plans. Most field crews lack training in the specialized methods needed to execute these precise designs. **Our supervision ensures that field work is executed to match the intended design so the end result will perform as intended.**
- Acoustic design typically requires post-construction measurements, mathematical analysis, and diagnostics to achieve optimal performance. However, for plan approval, building plans must specify the materials intended for acoustic installations so that plan reviewers can verify UL listings and fire ratings for insulation, fabric, and other components. Exact panel placement is generally not scrutinized during plan review. Reviewers will, however, expect to see the proposed attachment methods and certified material ratings. **Sound Affects will help ensure that building plans include preliminary placement indications and general installation details, even though final locations will be determined later based on field acoustic measurements and calculations (e.g., reverberation time, STC ratings, etc.).**