

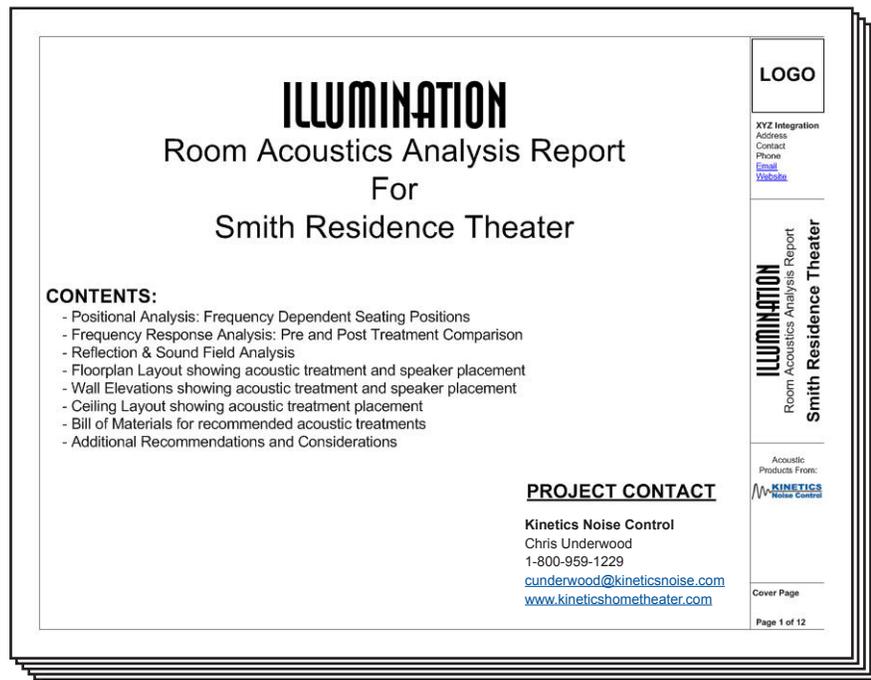
# ILLUMINATION

## Room Acoustics Analysis

You may have heard that “the room is the most important element” to a great listening experience. But how can you be sure you’ve invested in the right acoustical treatments and deployed them properly? In other words, how can you know what to expect?

**ILLUMINATION** Room Acoustics Analysis applies proven scientific analysis, coupled with the real world experiences of home theater and media room designers, to deliver an experience you will thoroughly enjoy.

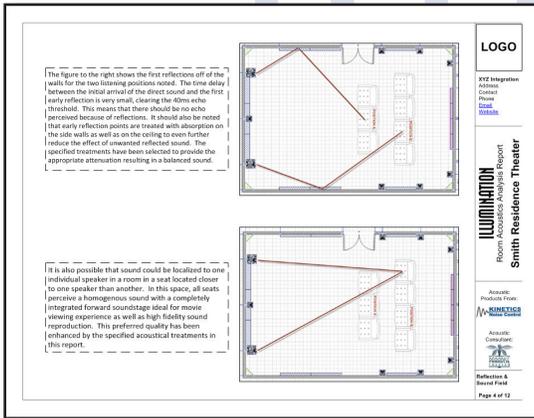
Is your room a dedicated home theater? A media room? Are you a movie viewer, a gamer, a two-channel enthusiast, a sports junkie, or a combination of these?



**ILLUMINATION** begins with a detailed discovery process that allows you to document the specifics of your room, your audio/video equipment and, most importantly, your specific objectives. This information is used to produce your **ILLUMINATION** Room Acoustics Analysis.

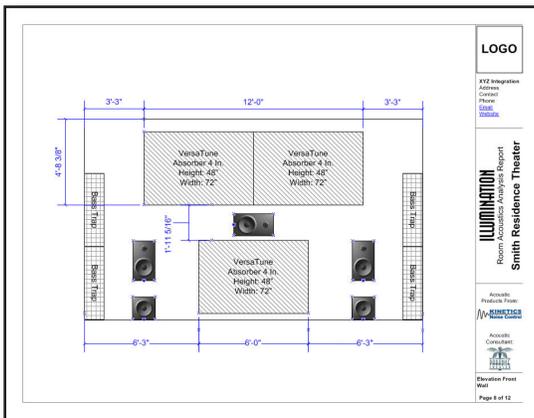
Each room is unique. **ILLUMINATION** gives you the confidence to know that your room will perform to its potential.

## Room Acoustics Analysis



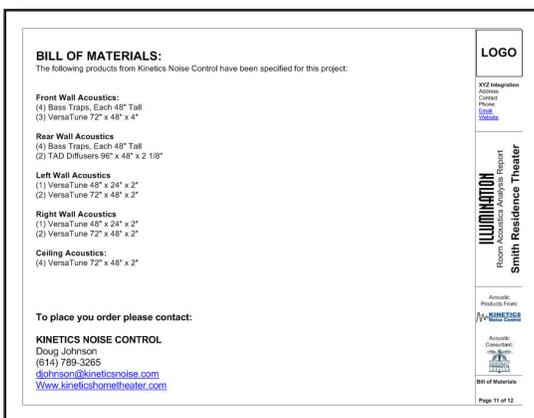
- **Positional / Modal Analysis:** Careful locating of listening positions can reduce the effect of low frequency room modes.
- **Frequency Response Analysis:** A pre and post-treatment comparison of frequency responses helps optimize the listening experience in all areas of the room and improves overall frequency response.
- **Reverberation:** Reverberation time analysis provides a prescription for smooth low-frequency response without a dry environment for higher frequencies.

## Acoustic Treatment and Speaker Placement



- **Reflection & Sound Field Analysis:** For primary listening positions, early reflections and time delay are analyzed to determine proper placement of acoustical treatments, optimized to provide appropriate attenuation for a balanced sound.
- **Acoustical Layout:** Six separate diagrams document the quantities and types of acoustical treatment and their specific layout on walls and ceilings.
- **Loudspeaker Placement:** Proper placement of speakers and subwoofers are analyzed and documented to promote balanced sound and reduce modal impacts.

## Bill of Materials and Additional Recommendations



- **Bill of Materials:** **ILLUMINATION** provides a summarized bill of materials that documents the recommended acoustical investment for your consideration and approval.
- **Additional Recommendations:** Additional findings, opportunities and recommendations are offered for your consideration.

To order your analysis or for more information, call or write the Kinetics Home Theater Market today!