

> ARCHITECTURAL MEASUREMENTS

PATCHING ASSOCIATES ACOUSTICAL ENGINEERING

ACOUSTICAL BUILDING PERFORMANCE

Patching Associates' highly trained staff use state-of-the-art equipment and methods to accurately and efficiently measure and assess a variety of acoustical parameters in commercial, industrial, institutional and residential buildings.

Having successfully completed hundreds of architectural assessments, Patching Associates has the expertise and measurement tools required for successful project execution, whether the objective is to optimize room acoustics, troubleshoot unwanted noise intrusion, or verify building compliance with codes and specifications.

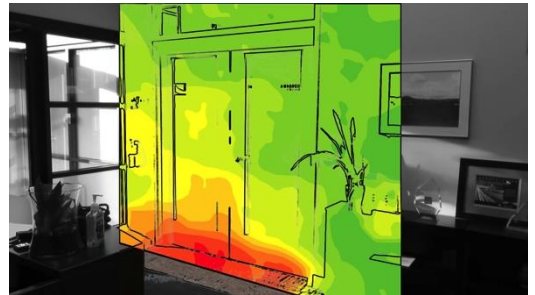
MEASUREMENT CAPABILITIES

Patching Associates' capabilities integrate highly standardized testing with new sound measurement methods and approaches that provide a fast and cost-effective path to valuable results and recommendations.

- Field Sound Transmission Class (FSTC) and Field Impact Isolation Class (FIIC) testing according to ASTM standards
- Mechanical and HVAC background noise (NC, RC) and Reverberation Time (RT) assessments according to CMHC, Alberta Infrastructure, LEED, and WELL guidelines
- Speech Transmission Index (STI) and speech privacy testing
- Open-plan office acoustic performance testing according to ISO 3382-3
- Noise source and path identification measurements
- Sound mapping of building partitions to detect complex noise intrusion paths and visualize noise problems
- Room Impulse Response (IR) measurements to validate simulation models and facilitate precise analysis
- Building vibration source and path identification studies

TAILORED SOLUTIONS

Patching Associates recommends only the measurements and analyses required to efficiently support specific project challenges. Patching Associates' staff is flexible to work within tight construction schedules, with minimal impact to operations.



Patching Associates proven measurement solutions gather the necessary data to successfully manage noise, reduce complaints and enhance the sound quality and privacy within buildings.

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