



# FENESTRATION TESTING

RESEARCH AND DEVELOPMENT  
PRODUCT APPROVAL TESTING

Fenestration products serve as openings in the building envelope. It is imperative that windows and doors are weather tight and structurally sound. Let QAI be your one-stop-shop for all your fenestration testing needs.

## Air Infiltration, Water Resistance and Uniform Load Testing

Determine the rate of air leakage, water resistance, structural performance, forced entry resistance, among other tests.

## Missile Impact and Cyclic Load Testing

Determines the performance of fenestration systems installed into buildings which are subjected to impact and cyclic static pressure differentials which may be representative of windborne debris and pressures in a windstorm environment. Our massive test wall, with the size of 50' by 24' high, can easily accommodate even the largest of products.

## Acoustic Testing

- **Outdoor Indoor Transmission Class (OITC)** - The OITC rating is used to measure the sound transfer between outdoor and indoor spaces.
- **Sound Transmission (STC)** - The measured reduction in noise level after sound passes through a material. This measure is used to rate the effectiveness of a material to attenuate sound.

## About QAI

Founded in 1995, QAI is an independent 3rd party testing, inspection and certification agency that has established an international reputation for offering cost-effective solutions and unparalleled client experience.

For more information pertaining to QAI's testing, inspection and certification services, please contact us via: [info@qai.org](mailto:info@qai.org)



Air & Water Resistance



Missile Impact & Cyclic Load Testing



Sound Transmission