



# FENESTRATION TESTING WINDOWS DOORS AND SKYLIGHTS

QAI - YOUR FULL SERVICE FENESTRATION AND  
TESTING SOLUTION

## Physical Testing- Laboratory and Field Testing

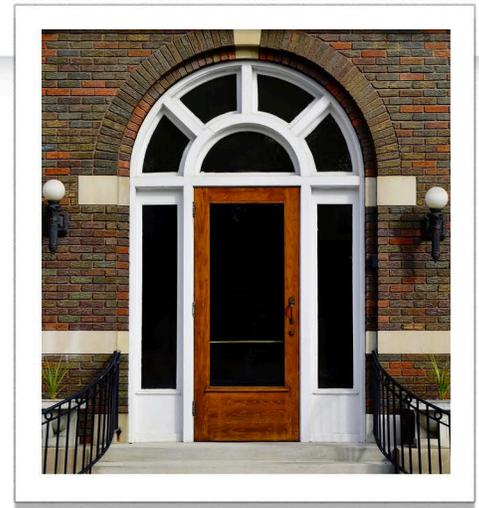
The National Building Code of Canada (NBC) and provincial building codes, require that fenestration products (windows, doors, and skylights) are evaluated for performance to standard AAMA/WDMA/CSA 101/I.S.2/A440 "North American Fenestration Standard/Specification for Windows, Doors, and Skylights" (commonly referred to as NAFS), including the Canadian supplement for products used in Canada.

QAI offers accredited physical testing and evaluation services to NAFS for fenestration products in both our Burnaby, British Columbia and Woodbridge, Ontario laboratories.

QAI offers solutions to help window, door, and skylight manufacturers prove compliance to regulations outside of NAFS compliance.

Count on QAI as partner Testing Laboratory to:

- Provide one point of contact throughout your project.
- Handling your testing and certification at a single location.
- Deliver the results needed for you to move your product to the next step.



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## Fenestration Energy Performance Simulations

QAI offers accredited thermal simulation services to the CSA A440.2 thermal performance standard.

- This provides window or door manufacturers with the product U-Value (thermal conductivity) and Energy Rating results to satisfy municipal, provincial and additional requirements (such as ENERGYSTAR) for products to be sold in Canada. Thermal (energy) certification is required in many areas based on provincial Acts (law) outside of building or bylaw requirements.

- A completed NAFS physical test report is required for each product type when submitting for ENERGYSTAR approval.

QAI develops a listing of certified products for the manufacturer as required by these Acts and regulations. Certain quality tests and inspections must be carried out and documented as part of the certification program to ensure the continued conformance of the products. CSA A440.2 compliant thermal simulation reports are required for the certification. If the simulations are not performed by QAI, the simulation reports must be accompanied by the thermal simulation files for review by QAI.

Furthermore, QAI develops and updates the submissions to ENERGYSTAR on behalf of the manufacturer.

## About QAI

QAI is a testing, inspection and certification agency for a variety of products and assemblies used in construction from durability, to fire resistant assemblies.

Founded in 1994 by a group of experienced industry professionals, QAI is an independent 3rd party organization that has established an international reputation for offering cost effective solutions and an unparalleled client experience.

For more information about QAI's services offered, please contact us via  
[info@qai.org](mailto:info@qai.org)

