

**OFFERING A FULL
SPECTRUM OF LABORATORY,
CERTIFICATION AND
INSPECTION SERVICES**

From blazing fire to sub-zero conditions, from the roof to foundation, QAI is your source for building products evaluation.

QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

CERTIFICATION | TESTING | INSPECTION



BUILDING MATERIALS



INSULATION



COATINGS / SURFACES



ROOFING



WINDOWS / DOORS



PLUMBING AND ELECTRICAL



RV / MANUFACTURED HOMES



FIRE DOOR FIELD LABELING

COMPLETE LABORATORY AND CERTIFICATION SERVICES

QAI Laboratories (QAI) is a leader in testing, inspection, and certification of building products for manufacturers and retailers. Working as your partner, QAI goes beyond simply running tests – we help our clients succeed by offering cost effective solutions to help speed the regulatory approval process and help get products to market. Whether it is identifying code requirements, developing an evaluation plan, testing, inspecting and certifying products, or assisting with the Code Agency evaluation process, QAI is your go-to source for gaining product code acceptance.

TESTING

QAI provides a complete array of ISO 17025 accredited testing services to support building product manufacturers – from full-scale assemblies to small-sized materials and properties. Our in-house capabilities include full-service laboratories offering testing for **fire resistance, flammability, structural strength, weathering and durability, material properties, plumbing, electrical** and a wide range of other tests. We also offer field testing and on-site testing at your location. Some of the tests we run include:

FIRE TESTING

- Steiner Tunnel: Flame and Smoke (ASTM E 84/ULC S102)
- Roof Classification (ASTM E 108)
- Ignition, burn rate, smoke density, radiant panel, toxicity, combustibility, weight loss

STRUCTURAL TESTING

- Transverse/Wind Load, Racking Shear, Axial Compression, Impact (ASTM E72/E330)

PHYSICAL TESTING

- Flexural, Tension, Compression, Water Absorption, Linear Expansion, Chemical Resistance

ENVIRONMENTAL & DURABILITY TESTING

- Salt Spray, UV, Xenon / Carbon Arc, Humidity, Aging, Freeze-Thaw, Vapor / Air Permeance
- Water Penetration Resistance (ASTM E331)

FENESTRATION TESTING

- Air, water, structural testing of windows and doors (North American Fenestration Standard 101/I.S. 2/NAFS-2 (CSA A440)
- EnergyStar thermal ratings

PLUMBING TESTING

- Fixtures, Fittings, PVC Pipe and Fittings, Toilets, PEX Tubing, Showers (CSA and ANSI standards)

ELECTRICAL TESTING

- Compliance to UL and CSA standards. Our broad scope of accreditation covers approvals to many recognized Standards in many different industries.



FIRE RESISTANCE



WEATHERING/DURABILITY



IMPACT / STRENGTH

TESTING

- Evaluates performance and ensures safety standards are met
- Generates required lab reports for Certification and Code requirements
- Test Plan development for new products and markets

INSPECTION

- Evaluates products, processes and records to ensure quality standards are met
- Affirming compliance in the Factory and in the Field



CERTIFICATION

- Internationally recognized QAI certification mark
- Gives instant recognition that a product meets Standards and Codes

TRUSTED PARTNER

- The QAI Difference: We partner with our clients to solve all compliance related issues
- Guidance in gaining ICC-ES, CCMC and other Code evaluation reports
- Helping clients to succeed in their short and long term objectives

INSPECTION

From Factory Inspections to Field Labeling of installed systems, QAI has you covered. QAI partners with our clients on a regular basis to monitor and inspect their manufacturing process, final products and quality documentation for compliance. Our team of qualified service reps will help you evaluate your manufacturing plant to assure quality and conformity. Our inspection services include:

- Fire Doors Field Labeling (NFPA 80, NFPA 252)
- Third-Party Quality Control Factory Audits (ISO 17020, ICC-ES AC10)
- Field-installed Roofing and Building Envelope
- Factory-built Housing and Recreational Vehicles

CERTIFICATION

Our proprietary certification label is recognized throughout the US, Canada and beyond. Specializing in roofing, fire doors, windows, construction materials, recreational vehicles and modular homes, electrical components and field labeling, our registered certification logo builds trust in your product and brand, and helps you move more products in more markets. The QAI Registered Trademark shows compliance when the Code calls for a product or system to be "listed and labeled" to a standard, per the guidelines of ISO Guide 65.



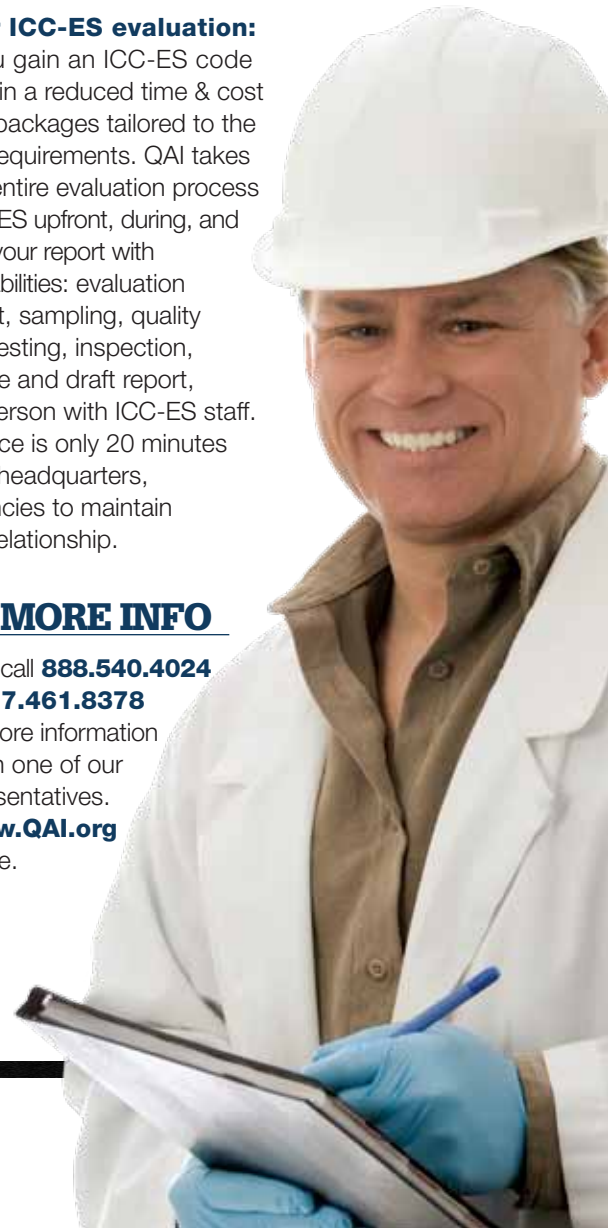
ICC-ES EVALUATION PACKAGES

Speed up your ICC-ES evaluation:

QAI can help you gain an ICC-ES code evaluation report in a reduced time & cost with our custom packages tailored to the specific ICC-ES requirements. QAI takes you through the entire evaluation process working with ICC-ES upfront, during, and to completion of your report with our in-house capabilities: evaluation plan development, sampling, quality documentation, testing, inspection, submittal package and draft report, and meeting in-person with ICC-ES staff. Our California office is only 20 minutes from the ICC-ES headquarters, allowing our agencies to maintain a close working relationship.

CALL FOR MORE INFO

Please feel free to call **888.540.4024 in the US or 877.461.8378 in Canada** for more information and to speak with one of our engineers / representatives. Or, log onto: **www.QAI.org** to request a quote.





FIRE DOOR FIELD LABELING

For large-scale building and property management companies, Fire Door Field Inspection and Labeling is a perpetual need, and we have your solution.

QAI field engineers work seamlessly with your team to assure compliance in many high-rise and large hotel / resort metro markets: New York, Las Vegas and Los Angeles to name a few. By adhering to the local building codes and

fire regulations, you ensure a smooth running property and can avoid the heavy non-compliance fees, fines and even possible closure.

SUPPORT SERVICES

Our team can help navigate through all the hurdles of meeting the Codes. Support service options we offer include:

- Identifying code requirements or test standards for your product
- Test Plan/Criteria development
- Quality Documentation preparation
- Professional Engineer sealed evaluation reports
- Code Agency submittal packages
- Communication with Engineers, Architects, and Code Authorities

With our vast knowledge and experience, we are perfectly suited to help you achieve code compliance status. Please call **888.540.4024 in the US or 877.461.8378 in Canada** to speak with one of our engineers / representatives and we will be happy to answer any of your questions.

STANDARDS & ACCREDITATIONS

QAI services are accredited by the International Accreditation Services (IAS) and the Standards Council of Canada (SCC), and are recognized in all US and Canadian Code jurisdictions.

We carry accreditations to hundreds of ASTM, UL, FM, NFPA, CSA, and ICC-ES standards/criteria, and are recognized by: ICC-ES, CCMC, Florida Building Commission, Miami-Dade County, CRVA, RCABC, CSFM, BCIS and more.

ABOUT QAI

Founded in 1994 by a group of experienced certification and testing experts, QAI is an independent third-party testing, inspection and certification organization which serves the building industry, government and individuals with cost effective solutions through our in-house capabilities / services, and an established world-wide network of qualified affiliates.

To speed your certification process up and get your product to market, trust the provider that many leading global manufacturers do: **QAI**.

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QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

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