



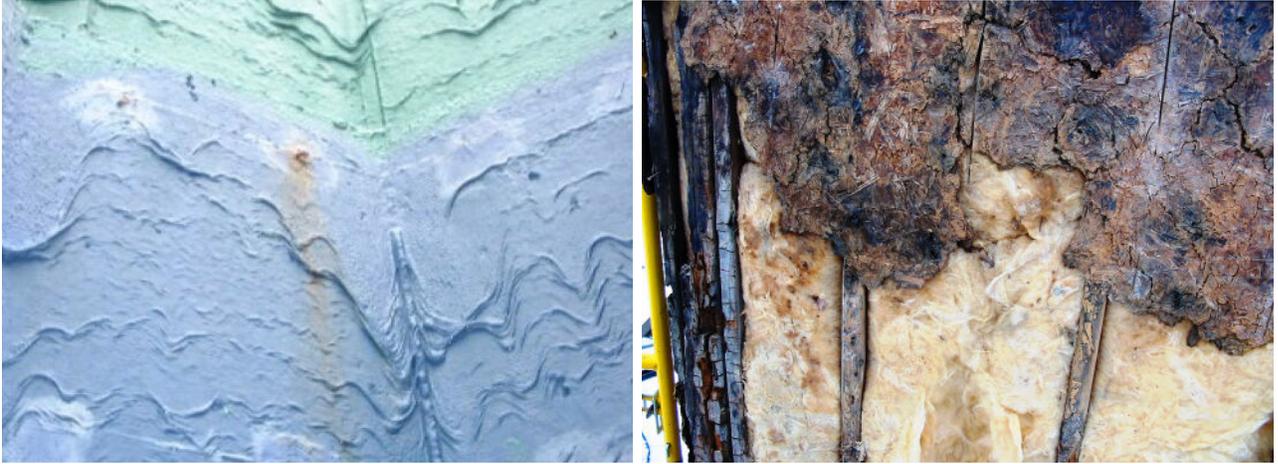
**Air Barrier
Quality
Assurance
Program**

air barrier
abaa
association of
america



Less Rework - Minimized Liability

What Does QAP Offer?



Poorly installed weather resistive air barrier resulted in major rework and over 75% of construction defects are due to water intrusion, air leakage, and poor workmanship.



An installation error was noted by a QAP auditor during a routine quality control site visit. The flaw was quickly rectified (no rework or change order required) thus avoiding possible moisture and air intrusion after the cladding was installed.



Multi-Faceted Approach - Integrated Components



Contractor Accreditation

QAP contractors are **trained, accredited**, and have signed agreements with ABAA to follow installation guidelines and correct deficiencies.

They must meet **bonding/insurance requirements, employ ABAA certified installers, and possess the equipment** to install and test their work.



Installer Certification

QAP installers are **trained and certified** by ABAA. To qualify they must have a minimum of 3,000 hours of **documented work experience** in air barrier/water resistive barrier installation.

Typically, certified installers work for QAP accredited contractors.



Evaluated Assemblies

ABAA has tested over 100 manufacturer air barrier WRB assemblies that were **tested in accordance with ASTM E2357** and many other **stringent evaluation criteria**.

By specifying evaluated materials, design professionals can limit their liability and be assured that **materials will meet and exceed stated specifications**.



Field Documentation

Each day, certified installers are required to **document the installation process, inspect, and fix deficiencies**.

The reports are submitted to the construction site QA office and, in turn, provided to the general contractor and design professional.



Onsite Field Audits

ABAA field auditors **confirm compliance with project specifications, manufacturer installation guidelines, and ABAA Site Quality Assurance Program**.

Auditors review substrate preparation, compatible materials, applications, and repair procedures.

Audit findings are distributed to the: owner, architect, manufacturer, GC and accredited contractor.



Final ABAA Audit Confirmation

Upon audit completion, the **final report**, including a photo log, is **submitted to the ABAA Site Quality Assurance Program office** for a final review by **seasoned building science professionals**.

Thereafter, it is filed and distributed to the owner, architect, manufacturer, GC, and accredited contractor.

\$ Proven Approach - Mitigate Claims

For a fraction of the overall building cost, you can ensure PROPER DESIGN, PROPER MATERIALS, and PROPER INSTALLATION for the most difficult to maintain component of your building: the wall assembly and air barrier system.

— = QAP cost compared to overall construction cost



Strip Mall

Building Cost: \$6,390,000
ABAA Wall Area: 11,348 sf
QAP Investment: \$4,964
Audits: 2

**% of Job Cost:
.08%**



Small Hotel

Building Cost: \$17,280,000
ABAA Wall Area: 17,280 sf
QAP Investment: \$5,468
Audits: 2

**% of Job Cost:
.03%**



Medium Office

Building Cost: \$24,334,400
ABAA Wall Area: 10,975 sf
QAP Investment: \$4,932
Audits: 2

**% of Job Cost:
.02%**



Large Hotel

Building Cost: \$65,594,884
ABAA Wall Area: 33,849 sf
QAP Investment: \$6,877
Audits: 2

**% of Job Cost:
.01%**



Secondary School

Building Cost: \$51,037,800
ABAA Wall Area: 27,040 sf
QAP Investment: \$6,298
Audits: 2

**% of Job Cost:
.01%**



Large Office

Building Cost: \$276,224,400
ABAA Wall Area: 64,480 sf
QAP Investment: \$11,480
Audits: 3

**% of Job Cost:
.004%**

*References

Pricing from blog entry: <https://www.levelset.com/blog/commercial-construction-cost-per-square-foot>

Wall area based on DOE prototypes

QAP costs based on QAP Calculator

Audits determined by ABAA wall area

Building Quality, Reducing Risk, and Mitigating Moisture:

QAP is a job site program that ensures proper materials, installation, and inspection of the air and moisture barrier system.

How does QAP help me?





QAP by the Numbers



18,000

QAP Specified
Projects



76 Million

Sq. Ft. of QAP Audited
Air Barrier installation



ZERO

Reported Air Barrier
Assembly Claims

2,200

Certified and
Registered Installers



5,600

Audits



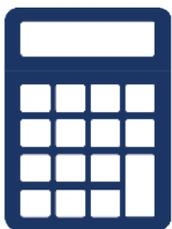
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Certified
Products



What are the Next Steps?

Calculate your
investment



Add the following phrasing to your Division 7 specification to include the Quality Assurance Program (QAP):

QAP SPECIFICATION LANGUAGE

Installer Qualification: Use accredited contractor, certified installers, evaluated materials, and third-party field quality control audits

Manufacturer Qualification: Use ABAA evaluated materials from a single manufacturer regularly engaged in air barrier material manufacture. Use secondary materials approved in writing by primary material manufacturer

Visit www.airbarrier.org/qap-overview