



**ALLANA BUICK & BERS**  
Making Buildings Perform Better

# STRATEGIES FOR PASSING A WHOLE BUILDING AIR BARRIER TEST

**WEBINAR - JULY 30TH AT 11AM PST**

Passing a whole building air barrier test is difficult. This webinar will teach you the importance of the early selection and design of the project's air barrier requirements and strategies for passing this test.



Since 2012, the International Energy Conservation Code (IECC) and ASHRAE 90.1 have required that buildings incorporate air barriers as a means to reduce unintended air leakage from buildings. Air barrier design is a critical part of a building's exterior enclosure for preventing moisture ingress and conserving energy.

**Whole building air barrier testing is fast becoming the norm.** Whether your building is state energy code mandated or federal government USACE air barrier testing mandated, passing this test by meeting the minimum air leakage requirements is critical to the success of your project.

There are many challenges that can make passing a whole building air barrier test difficult, such as the proper design and proper construction of an air barrier. Incorrect or deferred design decisions, and late-in-the-game substitutions can have unintended consequences that do not become fully apparent until the whole building air barrier testing is conducted near the end of construction. These "gaps in the wraps" are not discovered until it is usually too late to cost effectively fix the problem.

During the presentation, ABBTesting will address overcoming the challenges during both design and construction to ensure successful quality assurance and quality control of the air barrier system.

Attendees will review the importance of the early selection and design of the project's air barrier requirements, as well as the necessity of properly coordinating efforts between disciplines. ABBTesting will illustrate what steps can be taken to maximize the probability of a successful project with specific examples of past projects, including findings from conducting dozens of whole building air barrier tests.

## Learning Objectives

1. Review critical aspects of air barrier design.
2. Determine the keys to passing a whole building air barrier test.
3. Outline successful construction Quality Assurance/Quality Control protocols for air barriers.
4. Review ABBTesting past examples of whole building testing.

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July 30th, 11am-12pm PST



## Presenters



**KARIM ALLANA**  
**PE, RRC, RWC**

CEO | Senior Principal

Karim P. Allana is the CEO and Founding Principal of ABBTesting, a leading Architectural-Engineering firm specializing in building envelope and sustainable construction for new and rehabilitation projects. Mr. Allana has been in the A/E and construction fields for 35+ years, with a concentration on forensic analysis, design, and sustainable construction of roofing, waterproofing and building envelope systems. He has also acted as a consultant and expert witness in 500+ construction defect cases.

Mr. Allana earned a B.S. in Civil Engineering from Santa Clara University and is a licensed professional engineer in California, Hawaii, North Carolina, Nevada and Washington. He is a Registered Roof Consultant (RRC) and Registered Waterproofing Consultant (RWC) through IIBEC, Inc. He is a frequent speaker and presenter at professional forums.



**PETERSEN LAMBERT**  
**PE, BECxP,**  
**CxA+BE**

Division  
Manager | Principal

Mr. Lambert is a Principal for ABBTesting, and is responsible for all projects in the Pacific Northwest. He provides building envelope, roofing, waterproofing, and exterior wall systems expertise for both existing buildings and new construction. He oversees project planning, production, and team and client management for the region. Mr. Lambert is also the lead technical expert for the Seattle office, providing quality control/quality assurance and construction administration services.

Mr. Lambert has been with ABBTesting since 2001. Prior to opening the Seattle office, he opened and managed the Los Angeles office. His experience includes management of investigation, design, bid support, and construction administration and management for new construction and renovation projects. Mr. Lambert specializes in identifying and resolving complex waterproofing issues during construction.

In addition to being a subject matter expert, Petersen is an experienced presenter. His style of presenting is always well-received by his audiences.

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