

3RD QUARTER NEWSLETTER

2023

air barrier
abaa
association of
america

INTERFACE GUIDELINES

Curtain Wall Glazing Assemblies

by the ABAA Transition, Terminations, and Flashings Task Group, led by group chairman Adam Ugliuzza, P.E., CPHC



INTRODUCTION

Air leakage and water penetration performance has been established for most building enclosure material and assembly components that are commonly used in the building construction industry. However, air leakage and water penetration performance at the interface of materials and assemblies is often missed or misunderstood. Continuity of a building's air and water control layer(s) lies heavily on how well the building enclosure components are interfaced. It is critical for the design professional to establish which components of the building enclosure will comprise the building enclosure air and water control layer(s). These components may include, but are not limited to, air barriers, waterproofing (WP), fenestration, roofing, precast and cast-in-place concrete, prefabricated panel/unitized systems, insulation, miscellaneous and structural steel components and more.

The relationship between components and trades that is required to ensure continuity of the building enclosure's air and water control layer(s) may not be immediately apparent or intuitive if the contract documents are unsuccessful in presenting the building enclosure as a contiguous and cohesive assembly, composed of inter-related parts. Furthermore, if the contract documents fail to clearly represent the building enclosure's continuous air and water control layer(s) and trade relationships, the related subcontractor's obligation will be limited



Figure 3, Unitized Curtain Wall



READ FULL GUIDELINES: <https://bit.ly/3ZuyRbQ>

GREETINGS

from the Chairs

My how time flies, it seems like it was just a few months ago when we were celebrating the success and knowledge sharing that we participated in at the 2023 ABAA Building Enclosure Conference. For your reference, many of the presentations are available on our website at [2023 ABAA Conference Presentations](#) – ABAA Conference. We received another great set of abstracts and are looking forward to learning more about them at next year's conference. We thank everyone that has already submitted and encourage everyone to submit their unique experiences and ideas for next year's conference.

On a related note, we are thankful for the support of our membership and sponsors of our annual event. Many of us made great connections during the conference, so, please take a moment to reach out and connect with new and existing partners from the event. Also, we would like to thank the 2023 Conference sponsors and the organizations that have already committed to exhibiting at the 2024 conference in Reston, VA! Conference sponsorship will be opening in October and we look forward to your continued support either as a sponsor, an exhibitor or both! Your continued support allows ABAA to accomplish the development of our shared goals.

Speaking of goals, our committees and task groups are working hard

to progress 2023 initiatives. As you have likely seen, the Whole Building Airtightness Testing training program has been a huge success in the Pacific Northwest. A special thanks to all those involved in delivering this new program. This includes our main instructors for the course, Denali Jones with RDH and Gillian Williams with the Seattle College, both blower door manufacturers (The Energy Conservatory and Retrotec) for supplying technical representatives to support the training and providing test equipment. And last, but not least, the South Seattle Community College for providing a location and for being a great partner to work with. While we celebrate the success in the Northwest, we are also excited to expand our training opportunities to the east coast of the country, with intent to develop more options at other locations, as well. We are also pleased by the recent approval of the Whole Building Air Tightness Testing Technician Certification program. ABAA knows that as code requirements continue to evolve and develop, this certification program will provide an avenue to provide jurisdictions and owners with a listing of testing agencies that meet the requirements of the relevant standards.

It is also important for us to recognize and celebrate the individuals that have helped the ABAA set and achieve their goals. It is with great appreciation that we would like to recognize the significant time, efforts, and achievement of one of our past Chairmen that has recently retired from the ABAA Executive Advisor role, Mr. Roy Schaufele.

Roy has been active in the ABAA for over 13 years and during his tenure, Roy has filled many roles. He served on the board of directors and the executive committee for many years. He joined the board in 2011 and was appointed as the Chair of the organization from 2013 through 2017. During his tenure he was awarded ABAA fellowship and the Wagdy Anis award, both very prestigious and only given to a select few individuals. After performing his Past Chair role, he continued to provide guidance to the organization as the Regional Advocate and the Executive Advisor. Roy has been instrumental in the initiation and development of our CABS certification program and continues to support many of the ABAA initiatives through his involvement in the numerous committee activities. We are fortunate to have several members that have the dedication and fortitude that Roy exemplifies. On behalf of the ABAA membership, ABAA Board, and ABAA Executive Committee, we extend our sincerest gratitude and thanks to Roy for his significant contributions to our organization, its growth, and influence. Please do not hesitate to reach out to Roy and express your personal appreciation for his efforts.

As always, we can't thank Roy and our volunteers enough for donating their time and effort to continue the advancement of our industry. We look forward to continuing our progression and hope that everyone enjoys the beautiful fall and holiday season ahead!



SARAH K. FLOCK, NCARB, BECxP, CxA+BE

Co-Chair – ABAA | Co-Chair – ABAA Research Committee
Principal – Rath, Rath & Johnson, Inc.



MR. ANDREW DUNLAP, AIA, CDT, LEED AP, NCARB

Co-Chair – ABAA | Co-Chair – ABAA Research Committee
Principal – SmithGroup

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Is Your Organization Getting All the Education Benefits ABAA Has to Offer?

3rd Quarter | Continuing Education Provided to the Industry



14

HOSTED 14 ABAA WEBINARS

With topics ranging from wood-framing detailing, preconstruction meetings & construction quality, NFPA History, and paths to airtight buildings.

5

PARTNERED WITH 5 BEC/CSI/AIA CHAPTERS

Including CSI Charlotte, BEC Charleston, K2M Architects, PENTA Group, and the Architectural Design Guild.

2

PRESENTED AT 2 MAJOR CONFERENCE

Advancing Construction Quality &
IIBEC BES

What Has ABAA Been Doing For Member Education?

JANUARY THRU
SEPTEMBER

ATTENDEES
11,889

EVENTS
75

CONTINUING EDUCATION UNITS
14,033

We want your feedback!

Have some feedback for us? We would love to hear it!

hhowell@airbarrier.org

LEARNING UNIT CAFE IS OPEN

Order From the Menu

Sample our Learning Unit Café, an online menu of our most requested air barrier courses that any architectural firm, BEC, CSI, or AIA chapter can schedule at their convenience.

The menu consists of both Live and On-demand presentations and all are 1 LU/HSW, and many are GBCI.

 **Order Now!**



Nourishment
for the Mind

MENU

ORDER ONLINE NOW!

MAIN COURSE

1.0 LU/HSW/GBCI

Oh No! What Did I Miss? How to Properly Specify an Air Barrier
by: Ryan Dalgleish, CSI, CAE

The Big Disconnect: The Importance of Wall to Roof Connections for Your Air Barrier
by: Ryan Dalgleish, CSI, CAE

Please Proceed with Caution: Ensure Your Building Enclosure is Sustainable and Performs
by: Brian Stroik, American Contractors Insurance Group, Performance Excellence & Quality Consultant, Chair of the ABAA, Past Chair – BEC National

Trust, but Verify - Quality Control for your Air Barriers
by: Ryan Dalgleish, CSI, CAE

New Tools to Help Drive Decisions in your Air Barrier Specifications
by: Laverne Dalgleish, ABAA Executive Director

Air Barrier Material Testing – Why Peanut Butter is Good for a Sandwich, but NOT for your Air Barrier
by: Laverne Dalgleish, ABAA Executive Director

Live Presentations can be scheduled 8am-8pm EST

ABAA
LEARNING
UNIT
CAFE



WiFi
Free

DESSERT

On-Demand
Presentation
24/7

Certified Air Barrier
Specialist (CABS)
LAUNCH WEBINAR
by Ray Schuffels, FCSI,
CCPR, FABAA, CABS

(no learning units)

TAKE-OUT

1.0 LU/HSW/IIBEC

On-demand presentations available to stream 24/7

Specifying Air Barriers to Achieve Airtightness
by: Laverne Dalgleish, ABAA Executive Director

Game Plan to Getting Air Barriers Right
by: Brian Stroik, American Contractors Insurance Group, Performance Excellence & Quality Consultant, Chair of the ABAA, Past Chair – BEC National

"By Others" – The Elusive Subcontractor Responsible for Transitions + GBCI
by: Andrew Dunlap, AIA, CDT, LEED AP, NCCARB, Principal, SmithGroup, Inc.

WWW.AIRBARRIER.ORG

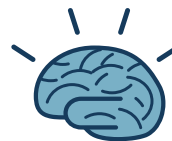
CEUs On-Demand

- Updates in Whole Building Airtightness Testing ✓
<https://bit.ly/46wLbLC>
- Ground Hog Day: Recurring Field Installation Issues with Air Barriers
<https://bit.ly/46pLszP>
- Designing Walls for Control of Air, Water, Thermal and Vapor ✓
<https://bit.ly/3rElmJc>
- New Standards and Tools to Update Your Air Barrier Specifications
<https://bit.ly/45xAUgx>
- QA or QC: What to Specify for High Performance Building Enclosures
<https://bit.ly/3Fe5uRG>



Have an Article Idea?

Do you have an article or idea in mind? Publishing an article can be a great way to advance your career and create new opportunities.



We pair ABAA Members with ABAA Mentors that will advise you on your article, and verify technical details.

You have skills and knowledge others are trying to obtain. We are looking to assist with articles on a wide range of air/moisture barrier topics, from absolute beginner to highly technical. Contact us to get started!

Contact Louise at:

lharden@airbarrier.org



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Provider

BLOWER DOOR TECHNICIAN CERTIFICATION PROGRAM



CERTIFICATION BENEFITS

The Blower Door Technician Certification Program certifies individuals to conduct whole-building air tightness tests on commercial and large buildings in compliance with testing standards.

Certification is now required by the state of Washington.

Enhanced Credibility

ISO 17024 certification is an industry standard for blower door technicians with architects, engineers, and building owners, showcasing knowledge, skills, and commitment to quality.



Higher Quality Work

Certification validates proficiency in blower door equipment and air barrier testing principles, improving test results quality, reducing errors, and improving accuracy.

THE PROGRAM CONSISTS OF TWO LEVELS.

Level I

Technicians competent to conduct a blower door test on commercial and larger buildings.

Level II

Proficient blower door technicians that tackle complex and sophisticated buildings.

Meet Rising Demand

Whole-building air tightness testing is the definitive way to verify air barrier systems were installed correctly. Increasingly, jurisdictions require such testing, and many design professionals and building owners now demand it to validate proper installation.

Certification Scope

The Blower Door Technician oversees and implements all activities associated with developing and executing a test plan, covering a wide range of responsibilities within their domain.

CERTIFICATION

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 [Watch Video](#)

www.airbarrier.org/abaa-blower-door-certification



- 17-Oct • **BEC Greater Detroit Enclosure Consciousness - Detroit, MI**
ABAA is sponsoring and exhibiting!
- 18-Oct • **MetalCon Conference - Las Vegas, NV**
ABAA is presenting and exhibiting!
- 26-Oct • **Wagdy Anis Symposium on Building Science - Boston, MA**
ABAA is sponsoring!

Upcoming Webinars

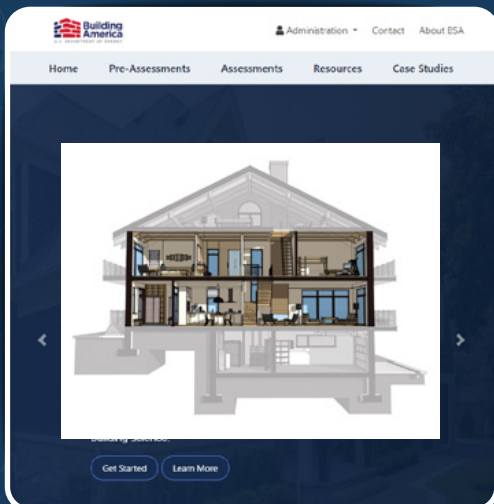
- 19-Oct • Air Leakage Control & the Building Envelope System: Standards, Codes, and How They Are Changing
- 19-Oct • BNP - Cracking Why Buildings Move: Absorbing Thermal Loads with Movement Joints
- 26-Oct • Case Study: The Academy for Global Citizenship
- 16-Nov • Air and Vapor Barriers
- 06-Dec • Air Barriers for Whole Buildings

**Register
Now!**



Upcoming Certification Training

Self-Adhered & Fluid Applied	Whole Building Airtightness	Sprayed Polyurethane Foam Installer	Field Auditor
Nov 7-9 - IL Nov 28-30 - AR Dec 5-7 - Virtual	Dec 11-15 - WA	Oct 17-19 - Virtual	Stay Tuned!
<p><i>Certify yourself or your team! Register Now!</i></p>			



BUILDING SCIENCE ADVISOR TOOL

A No-Cost, Web-Based Tool

The tool leverages expert knowledge and a database of thousands of pre-simulated hygrothermal models to provide rapid feedback and expert guidance on wall assembly design, tailored for the user's location. BSA is designed for builders, architects, engineers, and students of building science.



Check It Out



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BUILDING ENCLOSURE CONFERENCE

MAY
7TH & 8TH

2024 | RESTON
VIRGINIA

CONFERENCE OPPORTUNITIES

SPONSORSHIP - OPEN SOON

Sponsoring is the perfect way to enhance visibility among influential business leaders, design professionals, building owners, general contractors, and air barrier contractors.

Sponsors are recognized prominently in marketing materials before, during, and after the conference. Availability is limited, and these sell out fast.



EXHIBITOR REGISTRATION

Your goods and services will be visited by hundreds of trade professionals. The exhibitor's hall is a high-traffic area, with booths in and just outside the main ballroom, close to our keynotes, lunches, opening reception,

and training rooms. Prime booth locations are provided on a first-come, first-serve basis!

Limited Availability



VIRGINIA
IS FOR
BUILDERS

MAY
7TH & 8TH



SAVE
THE DATE

abaaConference.com



OPS 156TH & IDA STREET

On this unique high school and YMCA collaboration, the architect and design team were looking for a system to control air and moisture movement. Liquid Foam Insulation Inc. was the accredited contractor to install a Henry fluid applied system to achieve a high industry performance standard.

ARCHITECT: BCDM Architects

GENERAL CONTRACTOR: Sampson Construction

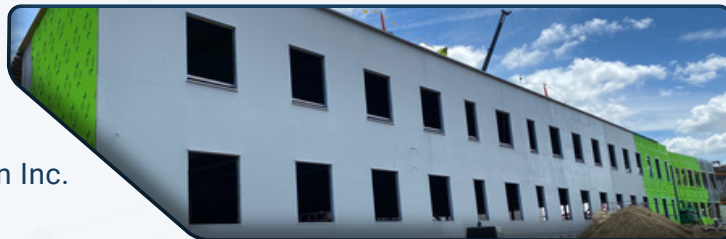
LOCATION: Omaha, NE **TYPE:** School

BUILDING AREA (sq. ft.): 315,000

TOTAL AIR BARRIER AREA (sq. ft.): 91,317

ACCREDITED CONTRACTOR: Liquid Foam Insulation Inc.

[!\[\]\(6a9b39b98eb945faa14c645ec99e4eaa_img.jpg\) Read More](#)



Quickly Calculate Cost

We have a simple QAP calculator, try it out!
airbarrier.org/qap/qap-calculator

Showcase Your Project

Your QAP project could be featured here!
Contact Louise at: Lhardman@airbarrier.org



ABAA QAP [Quality Assurance Program]

Check out details on the QAP program that outlines the benefits, what the QAP entails, and how much it costs for a variety of building sizes and types.

[!\[\]\(a73c1962d20a39dd8fd6a060ae69693f_img.jpg\) Brochure](#)

[!\[\]\(f507db636256ac11a5525ef93ec6b8d7_img.jpg\) Landing Page](#)