

NEBB Building Enclosure Testing Certified Professional Seminar



**October 13-14, 2014
Long Beach, CA**

Optional Exams—October 15, 2014



Introduction

Building Enclosure Testing (BET) is an important and growing field. It addresses a distinct need within the building and construction industry - the ability to test and quantitatively report the performance of the air-tightness of today's building enclosures. BET is a process involving evaluation, verification, and documentation that the building's design and construction meet defined performance expectations. In addition to fewer water leakage/mold issues for both new construction and renovation projects, BET results in better building energy performance through improved thermal performance and decreased air leakage issues.

Learning objectives

The two-day seminar provides attendees with an overview of building enclosure testing concepts including:

- Discussions of air barrier enclosures from design to material selection and installation.
- Review of various testing methods and procedures currently specified and their correct application.
- Basic operation of the blower door equipment, software, respective applications and features will be presented.
- How to analyze and trouble shoot enclosure issues focusing on the use of thermal imaging.

NEBB's theme is "Performance Delivering Professionals." The seminar will conclude with a session on trouble shooting air barrier leakage issues and problem resolution.

Who should attend?

- Professionals looking to become familiar with Building Enclosure Testing:
 - Architects, engineers, mechanical contractors, building commissioning agents
 - Building owners, operators and facility maintenance/management personnel
 - Building facility, building auditors and safety professionals
 - Energy auditors
- Professionals desiring NEBB BET certification— Technicians and managers experienced in Building Enclosure Testing.

Seminar schedule

The seminar is two days of classroom instruction from 8:00 a.m.—5:00 p.m. A third day is reserved for those who desire to take the written and practical test in lieu of taking the tests online at a local Kryterion testing center.

Instructors (preliminary—subject to change)



Phil Emory

Phil Emory is the chairman of NEBB BET Committee. He is a graduate of Montana State University in Mechanical Engineering and is the Senior Project Manager for Neudorfer Engineers. He has been involved in the Washington Engineering and Construction industry since 1985. His experience includes Mechanical Design, Mechanical Construction, Test & Balance, Air Barrier Testing and is a ASTN Level II Thermographer. Phil has tested over 80 buildings with over 3 million square feet of envelope. He is currently serving on the ABBA Whole Building Tightness Committee and is co-author of the NEBB BET Procedural Standard.

NEBB Building Enclosure Testing Certification requirements

NEBB offers Building Enclosure Testing certification to firms and individuals. All certification requirements are available on the NEBB website at http://www.nebb.org/certified/building_enclosure_testing_certification_requirements/.

*Attendees should be aware that this seminar is a refresher on NEBB BET. Attending the seminar in itself is insufficient for successful completion of NEBB BET Certified Professional exam.

Did you know?

Uncontrolled rainwater penetration and condensation are the two most common threats to building enclosure performance. Together, they represent up to **80%** of all construction-related claims in the United States.

90% of all water intrusion problems occur within **1%** of the total building area. The Building Sector consumes nearly **50%** of all energy produced in the United States. **77%** of all electricity produced in the U.S. is used to operate buildings. Building Enclosure Testing helps reduce building energy consumption and improves occupant comfort.

Recommended reference material

Attendees should have a working knowledge of:

- ASTM Standards: ASTM E 779, ASTM E 1827 and ASTM E 1186
- NEBB Procedural Standards for Building Enclosure Testing - 2013
- USACE Air Leakage Test Protocol for Building Envelopes

Registration

Registrations are due by Friday, October 3, 2014.

Please contact Connie Vitale at 301-977-3698 to confirm that space is available prior to purchasing airline tickets, or committing to other expenses. Registrants will receive a confirmation letter, including instructions regarding required seminar materials.

Hotel information

Hyatt Regency Long Beach

200 South Pine Avenue, Long Beach, CA
90802

Tel: +1.562.491.1234

Seminar Date: October 13-14, 2014

Arrival in Anaheim, CA: October 12, 2014

Optional Exams Date: October 15, 2014



Transportation information

The hotel is conveniently located near 3 airports. Airport and approximate taxi/shuttle fares are listed below.

- LAX: 21 miles (25 minutes); \$17 for Super Shuttle, \$49 for taxi, and \$65 for town car
- LGB: 8 miles (10 minutes); \$19 for Super Shuttle, \$21 for taxi, \$35 for town car
- SNA: 23 miles (32 minutes); \$37 for Super Shuttle, \$60 for taxi, \$75 for town car

NEBB BET Certified Professional Seminar Registration Form

I will attend the NEBB BET Certified Professional Seminar, October 13-14, 2014

Name: _____ Nickname: _____
Company: _____ Title: _____
Address: _____ City _____
State: _____ Zip: _____ Tel: _____ Fax: _____
Email: _____ Require special assistance: YES / NO: _____

All hotel reservations must be made directly by the seminar participant.

Fees: (check all that apply)

- \$800.00 SEMINAR REGISTRATION FEE (for NEBB Certified Firms)
 \$1000.00 SEMINAR REGISTRATION FEE (for Non-NEBB Firms)
 \$50.00 NEBB PROCEDURAL STANDARDS FOR BUILDING ENCLOSURE TESTING
 \$100.00 for Non-NEBB Firms (Hard-Copy)
 \$380 Technical BET Certified Professional Exam
 \$380 Practical BET Certified Professional Exam

\$ _____ TOTAL AMOUNT (Please call NEBB for International Shipping Charges)

Payment method

- Check Enclosed made payable to NEBB for Seminar Registration Fee
 VISA MASTERCARD AMERICAN EXPRESS

Name on the Card _____
Credit Card Number _____ | _____ | _____ | _____ Expiration _____
Security Code _____ Signature _____

Form & check must reach the NEBB Office no later than Friday, October 3, 2014. RETURN TO:

Connie Vitale, connie@nebb.org | NEBB | 8575 Grovemont Circle, Gaithersburg, Maryland 20877-4121

Conditions

- Pre-registration and pre-payment of fees are necessary to ensure your participation in the seminar.
- Cancellation by registrants, regardless of reason, will be subject to a \$250 service charge to cover NEBB's expenses. A refund of the prepaid registration and examination fees will be made less the \$250 service charge. All publication sales are final.
- No shows or late cancellations (those persons registered for the seminar who do not cancel 30 days prior to the seminar and subsequently do not attend the course) will forfeit the entire registration fee and examination fee unless a replacement can be found.
- NEBB reserves the right to cancel any seminars having insufficient registrants, in which case, all prepaid registration and examination fees will be refunded in full.
- NEBB cannot be responsible for any losses resulting from cancellation of a seminar.

For NEBB use

Registration Form Received by NEBB and Reservation Made as Requested Above.

Confirmed by: _____ Date: _____

* Please promptly advise NEBB and the hotel of any cancellations.



NEBB®

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