

PORTLAND CLIENT SEMINAR SERIES

Fall 2011 / Spring 2012

7 October 2011

Examples of Glazing Failures in the Pacific Northwest

Occurrences of some recent failures of high-performance insulating glass units (IGUs) in the Pacific Northwest are discussed in this session. Performance issues are presented along with good glazing design strategies to improve longevity of high performance glazing and reduce the risk of failures.

Presenter:
Brian Hubbs, P.Eng.

4 November 2011

Thermography – What's It Good For?

Thermography has a long history as a diagnostic tool for assessing air leakage, thermal bridging, and leaks in roofs. More recently, thermographic cameras have been used as part of the overall building enclosure commissioning process, and less successfully, to diagnose issues such as failed IGU's, and leaks in stucco and EIFS walls. This seminar will summarize the physics behind thermography, the test methods for each application, and how to interpret the results.

Presenter:
Neil Warburton, P.E.

2 December 2011

Whole Building Air Barrier Testing

Design and construction requirements relating to air barriers and air barrier testing are some of the newest and most controversial amendments to the 2009 Washington State and Seattle Energy Codes. Similar clauses are impending in other jurisdictions. This seminar will address the key elements of air barrier design and the challenges of incorporating whole building testing into the construction schedule, and what it means to the building developer, designer, contractor, and consultant.

Presenter:
Michael Aoki-Kramer, LEED™ AP

6 January 2012

Building Enclosure Rehabilitation of Multiunit Wood-Framed Buildings

This session will present a newly published building enclosure design guide developed for Oregon Housing and Community Services (OHCS). The focus will be on key issues in the evaluation, design, and rehabilitation of low-rise wood-framed buildings. Building science tools used to improve energy efficiency during rehabilitation and the current best practice design in contrast to existing and past construction methods are reviewed.

Presenter:
Ariel Levy, P.E., LEED™ AP

10 February 2012

Near Net Zero Building Enclosure Retrofits for Houses

The energy challenge for buildings is not so much about making new construction energy efficient as it is addressing the existing building stock. Approximately 70% of the buildings that will exist 20 years from now have already been built. In this seminar, the results of a recent research project examining the potential for retrofitting the enclosure of existing houses to approach net zero energy are presented. A variety of energy efficiency measures are examined.

Presenter:
Brittany Hanam, M.A.Sc., EIT
Dave Ricketts, M.Sc., P.Eng.

2 March 2012

Roofs – What You Should Know

Roofing is a critical component of the building enclosure whose importance has been overshadowed in recent years by water ingress through exterior walls and windows. In this seminar, learn about roof assembly types (low slope and sloped) and steps that can be taken to avoid problems from a design and materials perspective.

Presenter:
Dave Young, P.E.

4 May 2012

RDH Energy Efficient Design Seminar

Mark your calendar for this annual, half-day event! Details available soon.



1 AIA Learning Unit

Time

Fridays, 12:00–1:15 pm

Location

308 SW 1st Ave #300, Portland, OR

Located near the Oak/SW 1st Ave MAX station. Lunch will be provided.

Contact & RSVP

Kelly Lamb, klamb@rdhbe.com

Register at least one week prior to events please.