



Building
Enclosure
Council

Making It Work! Troubleshooting Design & Construction Details



24 October 2013

Presentation 8:00 AM – 5:00 PM

Social Hour 5:00 PM – 6:00 PM

Founders Hall

Charles Towne Landing

State Historic Site

1500 Old Towne Road

Charleston, SC 29407

Continuing Education

AIA: 7 LUs/HSW

SC Building Codes Council: 5 CEUs

Certificates provided

Cost

\$135 per person through Oct 10

(\$160 thereafter)

Includes lunch & refreshments

...**free parking & social hour too!**

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Vice President, Building and Facilities Division of Morrison Hershfield

The pyramids were easy! Nowadays, successful building enclosure assemblies are made of layers that appropriately control the flow of heat, air, moisture, water, and vapor. Each control layer has specific requirements with respect to continuity, structural support, location relative to other control layers, and the building's climate. "Do I need an air barrier, where does my vapor barrier go, and can my air and vapor barrier be the same thing?" Many performance failures in building enclosures can be traced to lack of continuity or inappropriate connection of these control layers.

Objectives

- Understand the concept of "control layers" in building enclosure assemblies.
- Understand the critical requirement of the layers that control heat, air, vapor and water in enclosure assemblies.
- Learn and practice a process of critical design review of assemblies and interfaces between assemblies.
- Review specific strategies to apply in our hot, humid climate.

Mr. Lawton, a noted authority on building enclosures, will first outline a process that building enclosure professionals use to review construction documents with the goals of achieving code compliance, insuring constructibility, and avoiding performance problems. Next, he will coordinate an interactive exercise, where participants will be organized into small cross-disciplinary groups of architects, contractors, building code officers, etc. to evaluate control layers using drawings and real world examples. Mr. Lawton will then conclude by reviewing a selection of the participants' solutions in terms of control layer connections, local climate, and performance. For more information please visit www.bec-charleston.org.



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