

Program

Registration

8:00 a.m. - 8:30 a.m.

Continental breakfast will be served.

Building Enclosure Commissioning

8:30 a.m. - 9:30 a.m.

When it comes to remaining dry and energy efficient, many new and renovated buildings fail to perform as intended. Building construction has become increasingly complex and the demand for sustainable (i.e., energy efficient) buildings continues to grow, while project schedules are increasingly shortened. Once construction starts, many contractors are more focused on schedule and budget than following the intent of the drawings and specifications. Oftentimes, mistakes or oversights can take place during construction, resulting in a building that leaks air and water. Addressing building enclosure issues during the early stages of a construction project saves money and time, and reduces liability for the design and construction teams.

Vegetative Roofs and Plaza Decks

9:45a.m. - 10:45 a.m.

Improved energy savings, stormwater retention, and aesthetic benefits are driving forces behind the increased use of vegetative roofs. Significant improvements in the performance of different components, including root resistance, drainage layers, waterproofing membranes, lightweight growing media, and plants have pushed anticipated service lives to 40+ years. This presentation will review and critique a variety of waterproofing systems, plaza deck assemblies, and vegetative roof technology. We will analyze various types of systems, including PVCs, modified bitumens, hot-applied rubberized asphalts (HARA), and reinforced coatings. We will discuss various vegetative roof configurations utilizing extensive and intensive plantings along with associated drainage layers, root resistant barriers, etc. This presentation will focus on design concepts, detailing, surface preparations, application methods, and troubleshooting for typical vegetative and plaza deck waterproofing assemblies.

Designing and Detailing Air Barrier Connections at Windows, Curtain Walls, and Storefronts

11:00 a.m. - 12:00 p.m.

The Air Barrier (AB) requirements mandated by the 2012 International Building Code (IB) have brought about significant changes to detailing at fenestrations. Neither fenestration nor air barrier manufacturers provide specific methods to connect these two common enclosure components. While there are industry standards in place, there are multiple window geometrics and configurations that can impact the air-tightness of the detailing. The overall connectivity and continuity of the AB at fenestrations must be considered in the early stages of design phase as product compatibility and functional constructability of the AB transitions may dictate different fenestration configurations or air barrier materials.



Presenters



Brian H. Neely, AIA, CDT, BEC&P

Brian H. Neely is a Senior Project Manager/ Architect for Gale's Building Enclosure Design and Consulting Group. Brian specializes in peer review and commissioning of exterior building enclosure components, systems, and assemblies.



Terence A. DaCosta, E.I.T.

Terry DaCosta is a Senior Project Engineer in Gale's Building Enclosure Design and Consulting Group. His responsibilities include evaluating enclosure failures, performing design calculations, developing contract drawings and specifications, and performing construction period services.



Jason Wagner, AIA, LEED® BD+C

Jason Wagner, a Senior Project Architect in Gale's Building Enclosure Design and Consulting Group, has over 20 years of experience. He specializes in building enclosure evaluation and design with a focus on performance and energy conservation.



Complimentary Registration

by May 11, 2017

Email Karen Noenickx
ken@gainc.com