

## **BE601-VER**

### **Building Envelope Design: Understanding Codes, Best Practices and Tie-In Detailing**

Building envelope systems and continuous air barriers have gained prevalence in the marketplace with inclusion into building and energy codes over the last decade. This presentation aims to bring awareness of code requirements as they relate to building envelope components and systems and shed light on common material misconceptions. Additionally, this presentation will focus on the all-important tie-in junctions which have been known to cause confusion resulting in leaky buildings and system failure. We will discuss tie-in design considerations, known product incompatibilities, as well as tie-installation best practices.

You will learn the following during this presentation:

- An understanding of building and energy code requirements as they relate to the building envelope
- Material and installation best practices for below grade waterproofing, above grade walls and roofing systems
- Myths and common misconceptions involving certain building envelope components
- Best practices for tie-in design and installation

Presented by:

Brandon Maag – Senior Design Analyst, Carlisle Construction Materials

## **ISO301-VER**

### Insulation Characteristics in Low-Slope Roofing Applications

This presentation will describe insulation and its associated applications in commercial low-slope roofing related to energy-efficient design, fire resistance, code compliance, and enhancing building resiliency.

You will learn the following during this presentation:

- Insulation's attributes related to its use in energy-efficient roof systems
- Thermal resistance values and design best practices for providing long-term thermal efficiency of the building envelope
- How to design a roof system's thermal envelope to ensure the safety and well-being of its occupants through effective environmental separation
- Application solutions to meet building code requirements for energy efficiency and fire resistance

Presented by:

Chad Buhrman – Insulation Product Manager, Carlisle Construction Materials