



# Emerging Design and Construction Considerations

**AECOM HUNT**



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## **Emerging Design and Construction Considerations**

**(1.0 hour, 1.0-AIA-HSW)**

Building envelope components, common building element specifications, and building life safety are essential to the long-term success of any project. It takes an understanding by all parties of the intent to make the building perform properly. Knowing what to include in the Construction Documents and paying attention to the little details, joints, and penetrations must be constantly reviewed and confirmed. Proper coordination of materials will make the quest to create the best possible building a reality. Construction lessons learned are discussed and dissected to improve future detailing and specifications.

### **Learning Objectives:**

1. Review common building elements, life safety components such as fire walls, fire penetrations, AVB, roofing, and other elements, and construction concerns witnessed in the field when not specified correctly.
2. Understand building envelope and structural tolerances regarding the construction process and methods to address the concerns with regard to making sure life safety, AVB, roofing, etc, is not affected during construction.
3. Coordinate between the specifications and drawings to understand how different building components currently do not address the specification gaps for a tighter building and better water management.
4. Assess and apply what is discussed to your construction documents for more confident design and detailing.