



Lessons Learned-Building Envelope Construction **Observation** (1.0 hours, 1.0-AIA HSW)



The building envelope construction can be complex and include many trades and transitions. Reviewing the construction during the on-site observation review can be daunting and confusing, even to an experienced observer. The key to a good review is understanding the installation procedures for all the materials being installed, being able to identify the substrate acceptance, and knowing where the difficult installation conditions that need special attention are located for each system, including the transitions between products and systems. We will review the construction of the building envelope from the foundation to the roof and everything in-between, going over several different construction materials and systems with construction photos (good and bad) in various states of installation. With these lessons learned, you will confidently be able to review construction during your construction observation site review and have a better understanding of what should be included in your contract documents for a confident installation.

Learning Objectives:

- 1. Identify proper installation requirements for many different construction systems, from foundation to roof and everything in-between.**
- 2. Review best practices regarding installation and understand what to look for during construction observation site reviews through job site photos.**
- 3. Recognize system installation errors that will affect other trades of the building envelope.**
- 4. Apply what you have learned about field construction observation to produce a better set of construction documents.**