



**Avoid Catastrophic Estimating Errors Through a Proactive Construction Quality Program** (1.0 hours, 1.0-AIA HSW)



*Quality control is something that is typically thought about during construction only. Making sure that the "checklists" are followed or that the construction in place has been reviewed by the Architect, Engineer or Testing service. But, true construction quality starts at the beginning of a project, even before the drawing are bid. In today's environment of different codes, environmental concerns taking the lead, and construction materials that have different chemistries marketed to do the same function, getting it right at the early stages is imperative and will facilitate a successful quality project. Being proactive and anticipating the issues to common construction is key to getting it done right the first time in the field on the original construction set and at the originally estimated cost.*

*This presentation will go over the basic understanding of a proactive quality program that starts at the schematic and design development stage, describing common construction and what is needed in order to build successfully, through several detailed failures or "near misses" from past projects.*

**Learning Objectives:**

1. Understand what is a Construction Quality Program and the benefits to a Schematic and Design Development program, which includes design, initial estimating, and scope development.
2. Review current flooring and building envelope quality concerns that needs attention at the Schematic and Design Development program of a project with project specific examples.
3. Understand basic limitations of flooring and building envelope systems and identify what is needed for a proper installation of the finished products.
4. Apply the understanding of what was learned to the pre-planning stage in order to better develop the overall Schematic and Design Development program of the project.