



Pepper 050

Building Envelope Case Study from Initial Constructability Review Through Occupancy

(1.0 hours, 1.0-AIA HSW)



Join me as I recount my building envelope journey with a large four-story CMU and masonry higher-educational building for a large university in the Midwest. We will start with the initial pre-bid constructability review and go through construction and turnover. We will review the air/vapor barrier, masonry flashing, waterproofing, window installation, and roof transitions. We will learn what was initially missing in the Contract Documents through mock-ups and first-work-in-place reviews. Once construction starts, we will review the building construction and perform testing throughout.

HSW Justification:

The health and welfare of the building and its occupants depend on properly designed air vapor, moisture, and insulation layers. All layers are discussed and detailed in this presentation

Learning Objectives:

1. Review constructability concerns in the mid-stage of design
2. Engage with a building envelope review and what modifications took place with subcontractor input
3. Understand the building complexities with mock-ups, first-work-in-place reviews, and testing.
4. Develop a better understanding of the installation of materials and the process of installation with construction observation reviews, reporting, and verification.
- 5.