



Building Precast Concrete Challenges and Solutions with Adjacent Trades to Ensure Accurate Specifications and Detailing



1 Hour HSW AIA

Building precast concrete offers numerous benefits such as speed of construction and cost efficiency. However, it also presents unique challenges, particularly when coordinating with adjacent trades. Ensuring accurate specifications and detailing involves clear communication of design requirements to avoid any conflicts or discrepancies during installation. One significant challenge is the need for precise information transfer across various stakeholders to avoid costly mistakes and delays. The presentation will aim not only to tackle the immediate challenges but also to prepare and provide an understanding that the practitioner will use for future project challenges and efficiencies.

HSW Justification:

The presentation discusses how the health and welfare of the building and its occupants depend on meticulously designed precast concrete with integral insulation, sealants, and coordination of the building's airtightness plan.

Learning Objectives:

- 1. Understand what coordination is needed regarding construction tolerances of adjacent materials and installations with the Precast panels.*
- 2. Recognize the interface between precast concrete panels and other building elements, such as roofing, windows, and interior components that can present critical areas of concern early and engineer appropriate solutions.*
- 3. Identify and mitigate potential issues early in the design and planning stages to minimize costly bidding errors, rework, and construction delays.*
- 4. Collaborative with the group to develop effective and efficient specification strategies*