

# **Quality Checklist to Maximize Construction Efficiency Utilizing Building Information Modeling**

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



*A significant goal of the Building Information Management efforts, including the 3D coordination process, is to reduce re-work in the field and field-generated issues. There are many different Building Information Management tools that we use to coordinate construction and confirm constructability. However, all the tools in the world will not truly help construction efficiency without developing a proper construction checklist of items that we typically find incorrectly coordinated. We will identify those items detailed in your BIM model to prevent typical quality, fire protection, and constructability concerns.*

## Learning Objectives:

- 1. Recognize what BIM tools can provide better construction quality.**
- 2. Define the BIM plan to include fire-rated partition extents and specific areas of concern regarding installation constructability between all trades, including no-fly zones for live load deflection and other life safety components for better coordination.**
- 3. Develop and identify construction tolerance requirements/checklists to provide more accurate structural items, wall, firewall, and shaftwall placement and coordination with the MEP-FP components.**
- 4. Identify what information is needed in a checklist for the BIM coordination team to maintain proper fire protection and installation efficiency.**