

Quality MEP-FP Constructability Concerns

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October 3, 2018

Quality MEP/FP Constructability Concerns: A Guideline for BIM & The Building Envelope

(1.0 hours, 1.0-AIA HSW)



One of the largest goals of the MEP/FP coordination efforts, including the 3D coordination process, is to reduce re-work in the field and field generated issues. Quality coordination guidelines, in addition to pre-installation meetings, are beneficial to the flow and installation of work, with the goal of avoiding any re-work. MEP/FP installations need to be coordinated with many other trades and conditions on the project. The installation must meet drawing detail requirements and specification and manufacturer requirements for not only the specific trade components, but for other systems in the building, such as fire walls, framing, building owner requirements, etc. We will identify those items that can be detailed in your BIM model to prevent common quality constructability concerns.

Learning Objectives:

- 1. Recognize the requirements for MEP/FP quality and what is expected with regard to the quality of installation.**
- 2. Identify, in the plan and during construction, typical areas of concern with regard to installation constructability and coordination between all the trades and adjacent building components.**
- 3. Discuss the requirements for framing and MEP/FP coordination expectations with regard to the quality of installation.**
- 4. Apply fire partition requirements to the pre-planning stage of the design, MEP/FP coordination, and submittal processes.**