Department of Health lab, State of Connecticut

Use of BIM (Building Information Modeling)

A major objective at the outset of this initiative was hiring a Construction Manager to oversee the entire process using a state-of-the-art methodology for the development of the project. One of the real-time activities that Whiting Turner proposed required their subcontractors to utilize BIM as the basis for documenting, coordinating and fabrication of all parts and pieces of the building assembly.

Based on the complexity of the MEP (Mechanical Electrical Plumbing) support systems the use of BIM became an essential tool for the coordination of all trades. It allowed most subcontractors to fabricate much of the systems assembly within their shops. In addition, during the floor systems' rough framing all of the subcontractors who required hangers within the ceiling had access to the metal deck prior to pouring the concrete floor. This saved both time and expense.

If nothing else, the BIM process had some of the materials waiting in the wings until others caught up to install their systems. All-in-all the BIM process became a demonstration project for the State on how a project should be managed during fabrication.

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