

COMPANY

Bates Architects

LOCATION

St. Louis, Missouri, United States

SOFTWARE

Autodesk® A360

Autodesk® Collaboration for Revit

Autodesk® Revit

A360 Enables Team Collaboration for Design-Build Hospital Project

Bates Architects Uses A360 to Deliver State-of-the-Art Healthcare Facility

"I am a firm believer that if it was not for the technology we invested in, that we would not have even been at the table."

— Steve Warlick
CEO
Bates Architects



Image courtesy of Bates Architects.

Bates Architects is an award-winning architecture and engineering firm that designed a \$140 million state-of-the-art hospital outside of St Louis, Missouri using A360 as a hub for three companies collaborating on the project, including McCarthy Building Companies and Mercy Hospital.

Bates has been working in healthcare building design for over 35 years, and had been working with Mercy Hospital for over three years prior to the start of the Mercy Hospital at Jefferson project.

With over 40,000 employees and 35 hospitals throughout the country, Mercy is the fifth largest Catholic healthcare organization in the United States. This project expands the Mercy Hospital at Jefferson healthcare facility to include a center for oncology, cardiology, and other speciality clinics.

Tasked with designing and building the hospital expansion, Bates and McCarthy Building Company utilized A360 to share and review complex Revit models to cut down on feedback cycles, saving time and increasing transparency between teams.

"All those who didn't necessarily know how to operate Revit were able to view and review files in real-time. Being able to get information from the owners between standard project meetings and incorporating that into our project really saved us a lot of time," says Marin Pastar, Director of Innovations at Bates.

Healthcare Facility Design

Conceptualizing, designing, and building a large state-of-the-art healthcare facility across three separate teams comes with collaboration challenges. The project team needed a collaboration tool that enabled multi-user reviews of Revit project models. The design and construction teams both found A360 to be the best solution and presented it to a receptive Mercy Hospital team.

"We wanted a file-sharing system that could bring the model to our end-user. It speaks to the power of A360 when you have a design partner and a construction partner bringing a common platform to the owner," says Mike Stapf, VP of Design Integration, McCarthy Building Companies.

A360 allows all team members and clients to view and review models together, no matter where they are.

Throughout the project's duration, team members could view and annotate 3D models in A360; even those who are not familiar with design and construction software were able to interact with the models and provide feedback.

Building Stakeholder Engagement

The ability to receive feedback from project owners and contributors between scheduled meetings and incorporate it into the project saved all three teams hours of time. In place of costly rework, they were able to integrate comments, requested changes, and new features into the project early on, which helped to further expedite the design and building process.

"I was impressed by the ability for all stakeholders—owners, engineers, architects—to be able to view the 3D models through the built-in viewer," says Pastar.

Many users on the team used their mobile devices, either Android or iOS, to have access to a larger viewpoint through viewing 2D and 3D project files in the field, or on-site. A huge advantage of the A360 platform is its ability run on just about any device.

"We have a lot of users who are constantly on the go, so they used their cell phones—either Android or iOS. There are users who like to take their tablet into the field to get a little bit of a larger viewpoint," says Pastar.

The result

The entire project team was able to make their project transparent by expanding the pool of people who are able to view, review, and comment on the Revit models, 2D drawings, and project documents.

Marin Pastar, Director of Innovations at Bates states, "We can't live without it. The ability to review models together was absolutely a game-changer."

To learn more about A360, visit, www.autodesk.com/products/a360/overview.

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Director of Innovation
Bates Architects



Image courtesy of Bates Architecture.