Overview

ShoffnerKalthoff Mechanical Electrical Service had nine months to design, prefabricate, and construct the HVAC and plumbing services for the University of Tennessee's new eight-story state-of-the-art science hall. There was no space on the job site for material storage, meaning prefabrication was a necessity.

CHALLENGE

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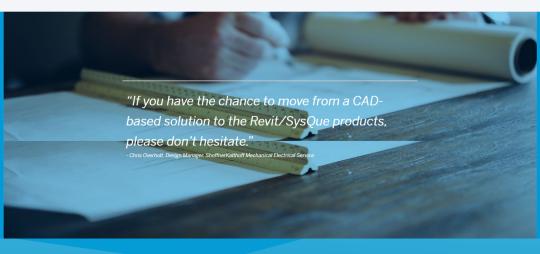
A multitude of mechanical systems made spatial fit a problem. Everything had to be built to exact measurements in prefabrication so that it could be installed immediately upon arrival.

OUR APPROACH

Move ShoffnerKalthoff beyond their CADbased BIM platform with a precise software tool, since being able to produce exact content from LOD400 models was essential.

SOLUTION

Trimble® SysQue® with Revit, streamlining the BIM and pre-fabrication workflow and enabling the company to model and spool piping and plumbing.





Results

They delivered successfully on the Strong Hall Science Lab at the University of Tennessee, reducing the field labor hours and increasing productivity in the process. Their design-to-construction workflow also improved