

Buckeye BIM Project Summary

Facilities Information & Technology Services

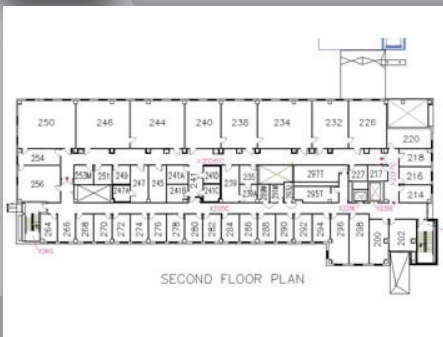
The Buckeye BIM Initiative includes BIM for Existing Buildings, OSU's move from Autocad based 2D floorplans to Revit based 3D building models, and BIM for Design and Construction, where we are developing BIM standards and execution plans for the design and construction process.

BIM for Existing Buildings:

Building Information Modeling (BIM) provides a 3D model of a building's space that includes interior and exterior information utilizing Autodesk Revit software. OSU has seen significant improvements in the ability to make higher quality space related decisions more quickly following the move to BIM. These improvements have been seen in the areas of renovation planning, furniture layouts, project funding, donor recognition, energy analysis, and accuracy of the building floor plans. We are investigating ways to improve way finding, recruitment of faculty, staff and researchers, asset management, and disaster planning through the further use of BIM. This project has also placed Ohio State as a national leader in the use of BIM for existing buildings.



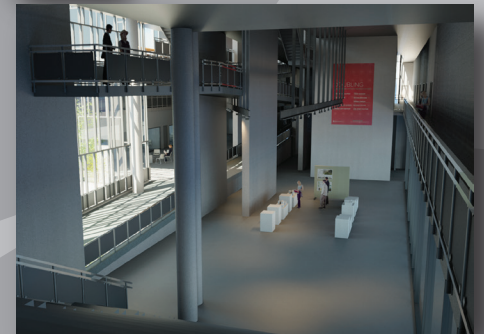
2D AutoCAD



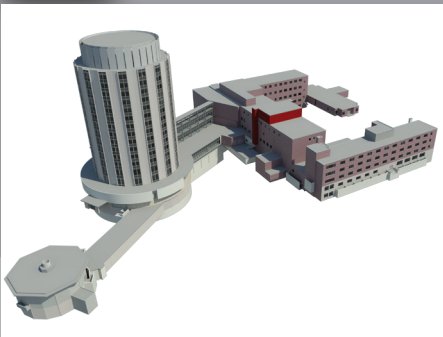
3D Revit



Photorealistic Rendering



Basic Rendering



Elevation Rendering



Exterior Rendering



BIM Facts:

- Labor Intensive: Each building must be individually redrawn (traced) in Revit
- Accuracy: All buildings are field verified to ensure accuracy of dimensions and the collection of any changes compared to existing small building plans
- End Result: Approximately 34.5 million square feet of space will be converted to BIM.
- Revit (.rvt), AutoCad (.dwg), Adobe (.pdf), and IFC files will be provided during and following the project for all buildings
- Follow us on Twitter @OSU_FITS and #BuckeyeBIM



Visit http://bit.ly/OSU_Fits_Gallery to view more project renderings

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THE OHIO STATE UNIVERSITY