

CUSTOM ARCHITECTURE - FARMHOUSE ADDITION

PROJECT DESCRIPTION:

"Our house is too small for our expanding family!" cried the client. A lovely country farmhouse in need of an expansion and proper porch to enjoy the environment. We decided to model the project using 3D modeling to provide this family with a true perspective of their addition that would be much easier to understand than conventional plans.

The existing site was produced from Sketch-Up, a 3D Program, that accesses Google Earth for site contours. The site was imported into Revit, a 3D architectural design program, and we built the existing house on top of it using Revit building components. A new addition was added including a basement with 3-stories above. One of the complexities we were able to easily identify was how we would connect the different elevations of the existing basement with the new. It's much easier to review and solve these issues while building the 3D model versus major problems coming to light once building the actual building.

Once the 3D model is built it is easy to generate plans, elevations, sections, details, renderings and walk through videos. Materials and colors can also be changed easily.

VALUE: \$750,000

PROJECT LOCATION:

Buckingham Township, Pennsylvania

SERVICES PROVIDED:

- Architectural, Civil, and Structural Design
- 3D Modeling and Rendering
- Construction Drawings compliant with NFPA and other associated codes
- Site Visit

