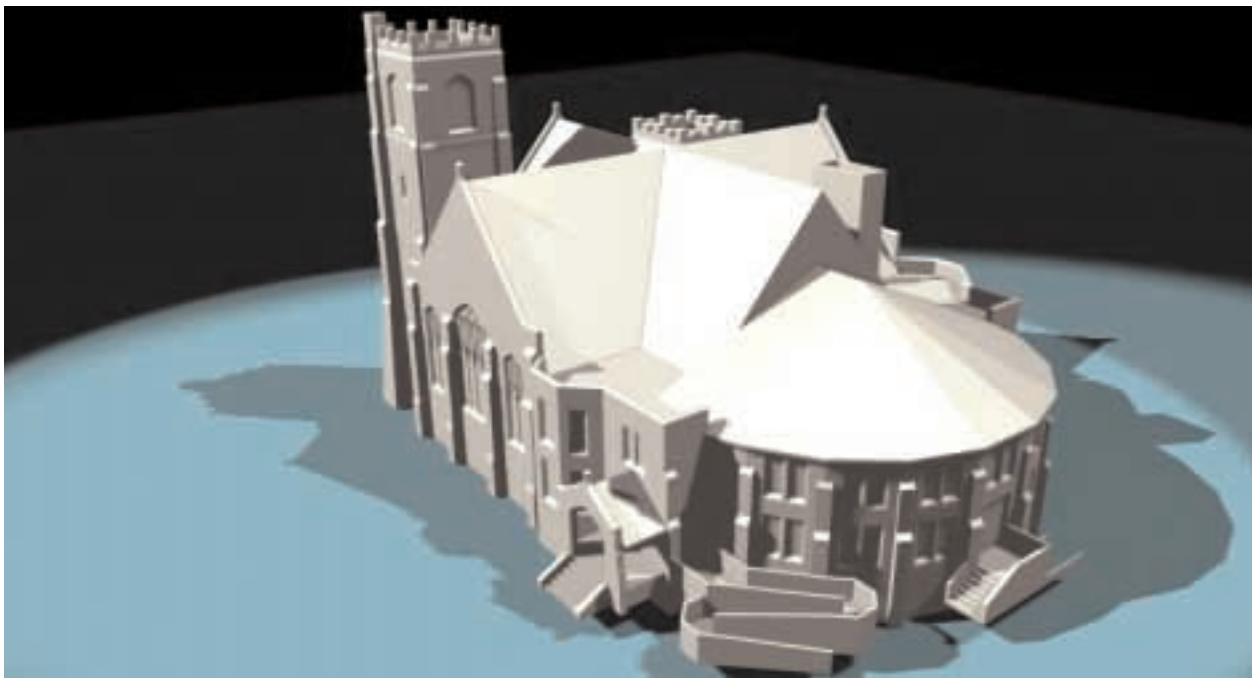
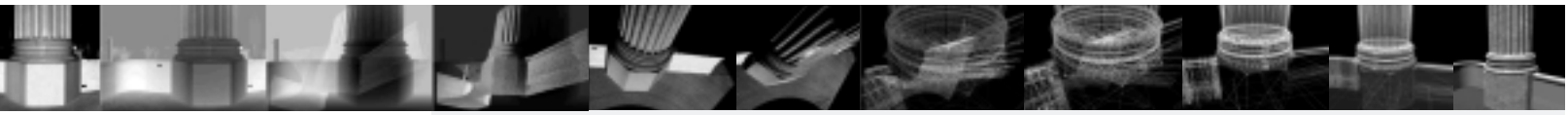
Case Study

Sixth Presbyterian Church

3D Model





Location
Pittsburgh, PA

Architect
Perfido Weiskopf Architects

Detail, point cloud

Background
The existing building is an historic stone church on Murray Avenue in Pittsburgh. Property on either side is vacant. The church was modeled using the Quantapoint laser scanner and proprietary modeling software. The model will be used as context for the proposed new construction.

3D Modeling
The 3D model displays the architectural massing of the church, showing fenestration and wall penetrations, exterior church walkways, ramps, landings and stairs from the city sidewalk up to the main structure of the church. The bell tower displays the existing louvers and cornice lines.

Time Frame
Time to complete the job was a one-person workweek, including less than four hours on site. Work was completed in June 1999.

Finished Model
This model is an extremely accurate solid model that shows no color or texture at the request of the architects.

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