



The Unfinished Church

Rendition shown with plaster and glazing as designed by Architect.

Architect: William Hay of Hay & Henderson



The Unfinished Church

Rendition shown without plaster or glazing
as designed by Architect.

Architect: William Hay of Hay & Henderson

Structural Aspects

The structure is cruciform in shape and oriented on a secure outcropping of stone for the foundation blocks. These were laid in two courses of three foot by two foot, and two foot six by two foot. The foundation stones were cut and carefully laid to form the basic foot print of the building.

Walls are characteristically of six inch by two foot wide courses, although the tower structure, at its lower portion, is formed of three foot wide columns with walls matching dimensionally above.

Window and door openings were cut in place with intricate moldings also cut insitu from the solid stone. More intricate parts of the structure, and those which had to endure excessive point loading were formed of a readily available nominal brick, which would insure structural integrity for generations to come. No internal steel reinforcement was used and buttresses served to ensure the integrity of walls.



Much care would have been exercised, in the form of shoring and internal bracing, that is not indicated on these renditions of what the construction process might have looked like.

The roof spans were made with frame truss work, and served, in turn, to help support the massive gable end walls which soar to the height of a five story building. The tower, although never completed to the Architect's specifications, was to stand at an impressive one hundred and thirty four feet above finish floor. A sizeable structure for St. George's in 1874.



The Unfinished Church

Showing possible construction sequences.

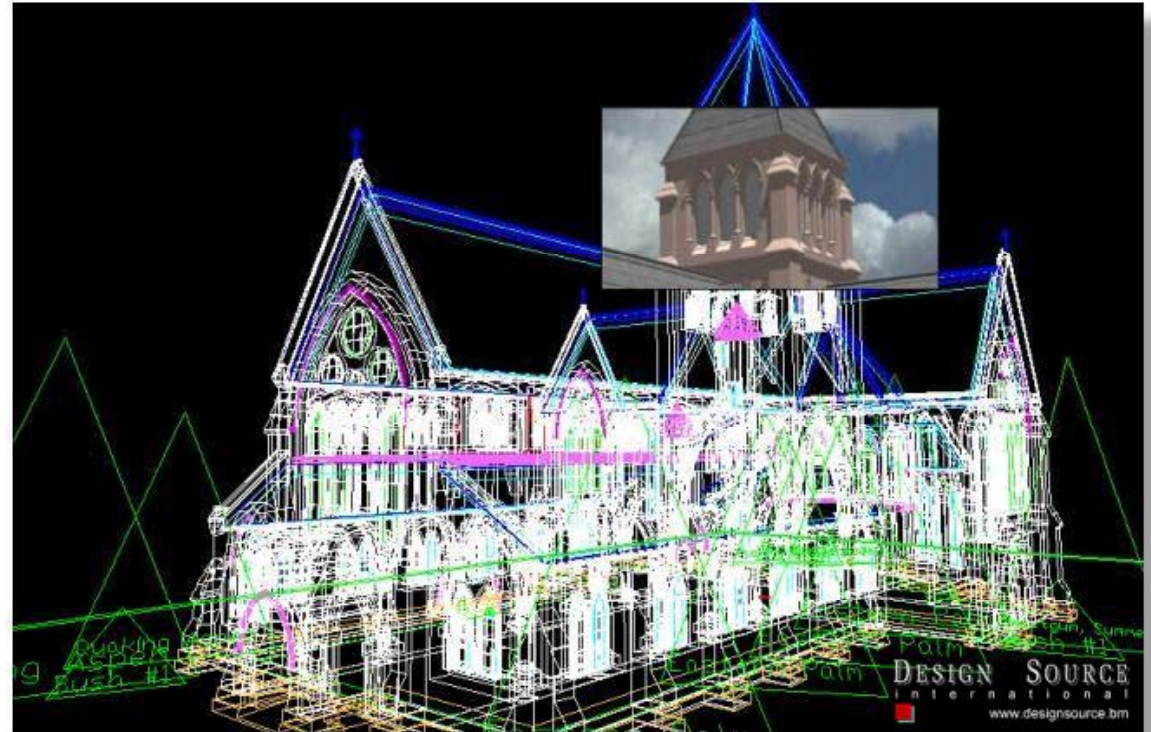
Architect: William Hay of Hay & Henderson

The Model

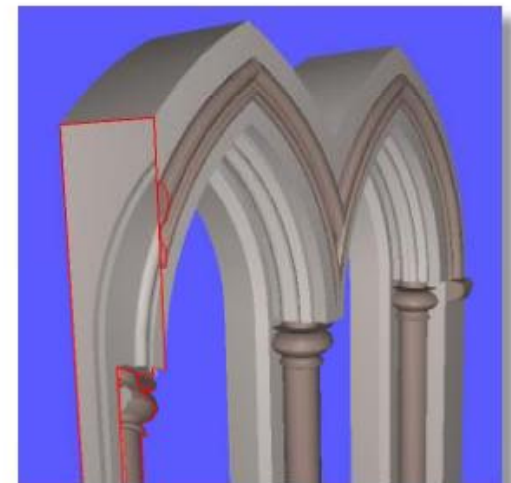
The re-assembly of the Unfinished Church was done using the latest three dimensional modeling techniques, in conjunction with an extensive survey of Archive records, and on site research. Object oriented drafting was used, as opposed to conventional line drawings, to afford the Bermuda National Trust with the most flexible form of survey information available.

Each component was modeled individually, and referenced in a separate data base. This process allows future work to be done on these components, should an error or omission be discovered, without having to correct every occurrence of it. Complete sectional and detailed plans may be taken through any location in the structure, both vertically and horizontally, and updates are made globally in every component.

In addition, numerous views and animated walk through tours will be available, giving a much more intimate understanding of the spaces, and the building as it was meant to have been seen.



The Unfinished Church



Architect: William Hay of Hay & Henderson