

Project

Radley College Chapel, Radley, Oxfordshire

Client

Beard Construction

Value

£116,000.00

Summary

To enable the chapel to be extended, works involved installation of temporary propping according to the Engineer's design, to allow the removal of the lower half of 1000mm thick masonry walls while retaining structures above. The structures above included a priceless, historic stained glass window to 4 apses and sanctuary on this beautiful 1890's Grade 2* listed building.

A complete diamond cut was made to the perimeter to avoid any vibrations damaging retained structures prior to removal of the wall below.

Challenge

The challenge was preventing any damage to historic stained glass windows, while carrying out the demolition of the walls when installing the needles beams directly underneath. This was achieved by creating a physical separation between windows and the masonry to be removed, to create the openings. Diamond cutting saws and core drills were used to achieve this.

Scaffolding and propping needed to provide sufficient room to undertake and complete these works. Because of the dimensions of the openings and the new steel installation, the scaffolding and propping had to be designed and installed carefully to be able to carry out the perimeter cutting, demolitions and installation of permanent steel structure.

The whole project required close communication and coordination on site of all parties involved.

Outcome

The project was delivered on time and on budget.

