

Project Brief

St Patrick's Cathedral

Un-Reinforced Masonry Seismic Strengthening



Auckland, NZ
2007



St Patrick's Cathedral in its present form was opened in 1908. The building has a Historic Places Trust Category 1 listing and accordingly, special care and attention was given to the restoration of existing features and to the concealment of new structure so that it blended into the historic nature of the building. Structural works were extensive requiring seismic strengthening of the spire, reinforcing of the brick walls and new foundations.

Tyfo® WEB and Tyfo® SEH composite anchors were installed to strengthen the Omaru stone arches and provide the confinement to tie the moldings back to the strengthened arches. The Fibrwrap was rendered over to match the original finish.

The success of this project is marked by the following awards; The papal knighthood for "Outstanding Services Rendered to the Welfare of Society and the Church" Mr Shanahanrole – parishioner and chairman of the Project Control Group

NZIA 2009 New Zealand Architecture Awards Regional Award – winners in the Heritage section Architect - Warren and Mahoney

ACENZ INNOVATE NZ 2009: Awards of Excellence – Aurecon
"The strengthening has been done very well and is unobtrusive. The finishing is excellent and has restored the interior to its former grandeur".

