

Project Brief

## Memorial Theatre

### Seismic Retrofit



Wellington, NZ  
2009



The Victoria University of Wellington Memorial Theatre, is a reinforced concrete column and beam structure, with unreinforced brick masonry in-fill panels.

Tyfo® SEH 51A Fibrwrap® composite catenary strips applied to the internal face of the brick walls with a combination of laps and Tyfo® SEH anchors provided the required restraint for reversible out of plane seismic loading.

Service penetrations and doorways are also strengthened with Tyfo® SEH 51A Fibrwrap®.

Helifix ResiTies at 600 vertical & horizontal centres are used to tie together the two wythes of cavity brick areas.

The installation was achieved without disruption to other substrates with zero VOC content Tyfo® S resin.

The solution added minimal dead weight to the elevated areas of the theatre auditorium and fly-tower, and no usable space was lost.

