

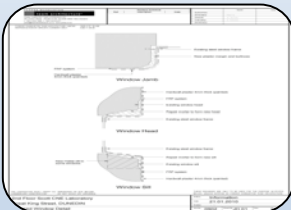
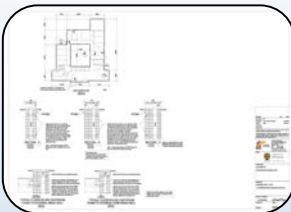
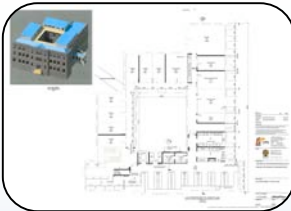
Project Brief

Medical School Buildings

Historic Scott Building Seismic Upgrade



Dunedin, NZ
2010



Over 1500m² of Tyfo SEH 51A ® was installed on the interior face of level 3, with 1 layer oriented vertically and 1 layer horizontally providing 2.95 kip-ft/ft flexural strengthening and 5.45 kip/ft shear strength respectively. Fyfe Tyfo® SEH Composite Anchors are installed on a 600mm grid. Minimal weight was added to the structure and the unobtrusive Fibrwrap® installation was plastered over maintaining the interior aesthetics.

FYFE Tyfo Fibrwrap® SEH 51A was preferred over the jointly specified competitors product. Factors in this decision were; the Tyfo® SCH 51A system out performed the other with superior laminate stiffness (ExA), it is more widely accepted and has gone through more durability testing. The current ICC EC ESR#2103 shows our compliance with the 2006 International Building Code (IBC).

The Tyfo Fibrwrap® systems are the only ones in the industry that have system compatible coatings that can provide a UL fire rated assembly (up to 4-hours as per ASTM E-119) if needed.

Helifix DryFix and ResiTie systems were installed to connect the outer wythe with the interior strengthened walls.

