

Project Brief

ABN Amro House Column Strengthening



Wellington, NZ
2010



Five new levels are being added on top of this prime Waterfront / CBD building. In-order to handle the increased gravity load, lateral transverse load, and NZS 3101 ductility requirements, columns on nine levels of the existing 12 level structure required strengthening.

Multiple layers (according to load) of Tyfo® SEH51A were wrapped around the circular columns. FYFE patented 1"(25mm Dia) X 4'(1219mm) SEH Composite Anchors providing confinement at the beam column interface.

The existing reinforcing was located to avoid cutting.

The applicators worked in very confined spaces in-order to minimize demolition required to strengthen walled over columns built into the central core of the building. The applicators worked off the top of a lift for this purpose.

The installation has no aesthetic impact on the building. Some columns are walled over, others in office areas are broadcast with a key coat and plastered over to a high standard of finish. Columns in the car-park areas are painted.