



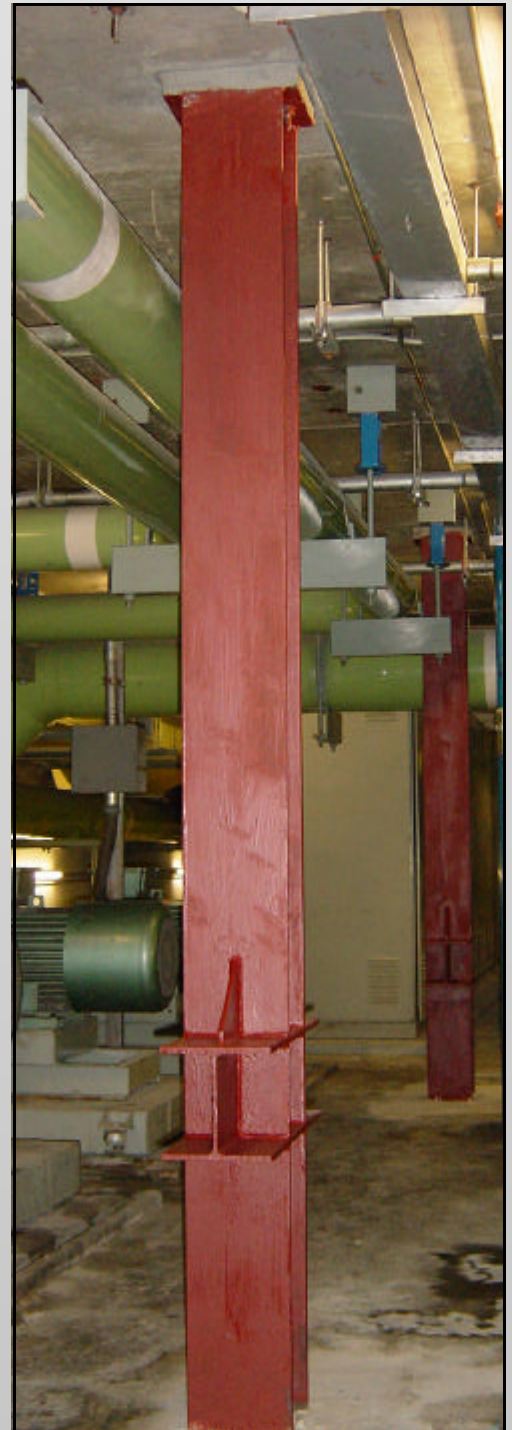
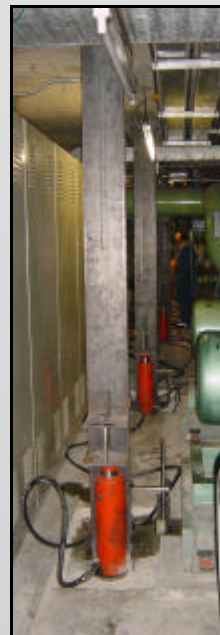
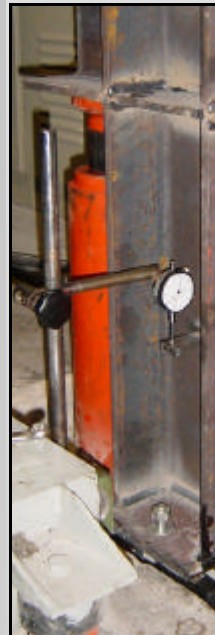
Structural Column Installation and Jacking - All Seasons Place

Loads imposed by chiller units in Basement 1 plant rooms had caused unacceptable deflection of floor slabs in both Capital and M-Thai towers

Following the review of the as built structure and monitoring of the slab the solution proposed by the Structural Engineer called for the post installation of four structural steel columns in each location.

The columns were required to be hydraulically "jacked" to achieve a maximum 20 mm "lift" of the slab or a pre loading of each column by 20,000 kg prior to grouting in place.

Following competitive tendering for the repair contract, all works including fabrication, installation, jacking and post installation crack injection were awarded to Hammersmith Limited.



**"SPECIALIST SOLUTIONS
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PROJECT DETAILS

Project Title	Installation of Additional Support Columns and Column Jacking, Capital and M-Thai Towers, All Seasons Place.
Client	All Seasons Property Ltd
Details	Installation of structural steel columns to provide additional support to chiller room slabs, Column pre-loading to 20,000 kg, base plate grouting and remedial resin injection to slab cracks.
Completion	November 2002