

# MEMO TO Council



**FROM:** Judy Campbell (Chief executive)

**DATE:** 22 October 2015

**SUBJECT:** **Relative Earthquake strength of Council buildings**

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## SUMMARY

The following summarises the assessed relative Earthquake strength of the Council building on the Fitzherbert street site as has been previously reported in Reports 13/135, 13/465 and 14/164.

<b>Structure</b>	<b>IL2</b>	<b>IL4</b>
Building A - 1953	33%	19%
Building B1,B2,B3 - 1980	63-81%	35-45%
Building C - 2001	23%	16%

Through out the process from 2011 these figures have been reviewed by a number of individual institutions including:

Building A – Strata group, Design Phase, Opus

Building B- Opus via two separate offices

Building C- Opus via two separate offices, Clendon Burns Park, IPENZ (via an investigation)

Within these institutions assessments were carried out with input from more than one engineer to ensure validity of results. For instance, the IPENZ investigation involved a total of seven engineers for that one institution.

On top the initial investigation process and findings, detailed proposals were sought from four firms who all reviewed the total site with appropriate engineering input in regards to strengthening or rebuilding. The consistent theme was that strengthening was a risky solution with a price range of \$7m - \$10m along with two firms doubting whether a strengthening solution was even feasible.

Judy Campbell

**Chief Executive**