

# SEISMIC TESTING OF ANCHORS IN UNREINFORCED MASONRY STRUCTURES

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20 July 2012

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# Project Proposal

- Research the response of specifically measured rebar, concrete panels with anchors under tensile loads
- Test the pull-out strength of adhesive anchors used in the seismic retrofit of unreinforced masonry buildings

# Week's Progress

- Compression tests on both brick and mortar samples from the masonry building in Wanganui
  - Mixed plaster and spread a smooth layer on top and bottom of the cubic brick samples
  - Used a compression machine in order to record the failure load

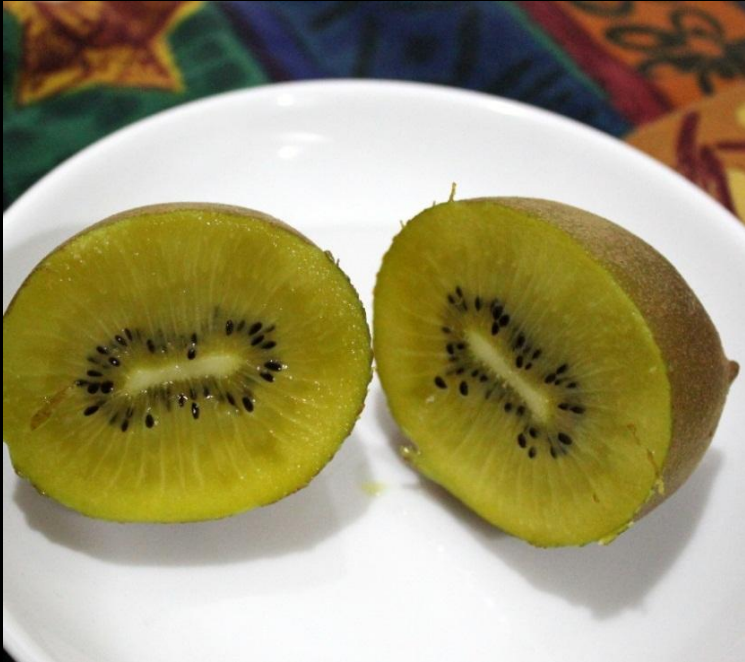
# Goals

- Analyze photos in order to provide more information about the performance of unreinforced masonry buildings in the 2010/2011 Canterbury Earthquake Swarm
- Identify the different parameters for through bolts and adhesive anchors in the diaphragm-to-wall connections, and also in parapet restraints
- Organize the recorded information into a modified database that can be related to each building

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# Acknowledgements

## University of Auckland, New Zealand

Dr. Liam Wotherspoon – New Zealand Mentor

Dr. Jason Ingham

## University of California, San Diego

Dr. Lelli Van Den Einde – UCSD Mentor

Gabrielle Wienhausen, Ph.D

Peter Arzberger, Ph.D

Teri Simas

National Science Foundation (IOSE-0710726)