

Wellington City Council Critical Buildings Team

Contact Details

1. Dedicated phone for engineers to advise of issues of public safety or to discuss matters with the CBT

021 946 138

- Building name and street address
- The issue/ risk (including occupied/ unoccupied)
- Specific action recommended/ required
- Your name, company and contact details

2. Notification of issues of public safety concern requiring WCC attention or action

Wel.engineering@wrem.nz

Towards Detailed Damage Evaluations

1 December 2016

Recap: Basic Principles

When

- ***Rapid Building Assessments*** are followed by a ***Detailed Damage Evaluation*** when needed
 - Typically following a **Restricted Access** or **Entry Prohibited** outcome
 - But required for all commercial buildings in Christchurch given the nature of the Canterbury Earthquake Sequence

Recap: Basic Principles

How

- 1. Identify vertical and horizontal load resisting elements (drawing review)**
- 2. Inspect key primary elements for critical damage**
 - Damage which may be sufficient to significantly impair the building's capacity to resist either gravity or seismic actions
- 3. Then review secondary and non-structural elements for life safety hazards**
 - Isolate or limit use
 - Make safe work

Recap: Basic Principles

How (continued)

- **Commencing with qualitative assessment and extending to quantitative to the extent found to be necessary**
- **Comprehensive guidance was developed by MBIE's Engineering Advisory Group for Greater Christchurch**
 - Refer SESOC website for Draft Detailed Engineering Evaluation

Wellington DDE Refinement

- Looking to define particular building characteristics for which a Targeted DDE will be required
- Even if the Rapid Building Assessment has resulted in a *Can be Used* outcome (or if one hasn't been done)
- Aiming to present an initial draft at next week's meeting
- An outline of reporting requirements to be included, and may extend to include the principles of retrofit solutions