



ENGINEERS RE INSPECTION OF DAMAGED BUILDINGS
 Resulting from Christchurch EARTH QUAKES

Address 601 & 601a Colombo Street

Inspection Engineers Name Paul Campbell (CPEng 197688)

Mobile Phone Number 027 221 2990

Date 31st Jan 2011

Structural Hazards / Damage	Minor / None Mod Severe			Comments
	Minor / None	Mod	Severe	
Foundations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ground Movement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Roofs, floors (vertical load)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Columns, plasters, corbels	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Diaphragms, horizontal bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pre-cast connections	N/A	<input type="checkbox"/>	<input type="checkbox"/>	
Beam	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Neighbouring Property Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non- structural Hazards / Damage				
Parapets, ornamentation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cladding, glazing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Ceilings, light fixtures ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Interior walls, partitions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elevators ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stairs / Exits ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Utilities (eg, gas, electricity, water) ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

General Comments

Building v. badly damaged esp Mollet st facade & back elevation.
 Can't get in to red sticker
 Req. eng report on colombo st facade & any temp works req. to make bricks

Usability Intensity	Posting	Usability Category	Comment
Light damage Low risk	Inspected (Green)	Ga Occupiable, no immediate further	<input type="checkbox"/>
Demolished		Gb investigation required	<input type="checkbox"/>
		Gc Occupiable, repairs required	<input type="checkbox"/>
Medium damage Medium risk	Restricted Use (Yellow)	Ya Short term entry	<input type="checkbox"/>
		Yb No entry until repaired or demolished or risk from adjacent premises or ground failure	<input type="checkbox"/>
Heavy damage High Risk	Unsafe (Red)	Ra Significant damage	<input checked="" type="checkbox"/>
		Rb At risk from adjacent premises or from ground failure	<input type="checkbox"/>

Protection fencing required Yes / No

Details existing

DETAILS OF BUILDING DAMAGE - REFERENCE Status (Red / Yellow)
 Resulting from Christchurch EARTH QUAKES

1 Type of Damage

Tick Boxes

Note

Choose one of the following (structural damage takes priority over other types of damage):

- | | | |
|-----|---|-------------------------------------|
| 1.1 | The building has been damaged, and there are structural defects to the building:
<i>or</i> | <input checked="" type="checkbox"/> |
| 1.2 | Damage to parapets, and / or chimneys, and / or ornamental features that may pose a risk to the public and / or adjacent property
<i>or</i> | <input type="checkbox"/> |
| 1.3 | The building has been damaged resulting in potential ingress of water (insanitary building, refer Environmental Health). | <input type="checkbox"/> |
| 1.4 | There is a risk that other property could collapse resulting in injury or death to any persons in the building or to persons on other properties. | <input type="checkbox"/> |

2 Characteristics of Damage

- | | | |
|-----|--|-------------------------------------|
| 2.1 | Significant damage to structural walls, party walls, fire walls and / for structural frame (cracking, bowing, failed connections, spalling). | <input checked="" type="checkbox"/> |
| 2.2 | Significant damage to foundations (cracking, significant settlement). | <input type="checkbox"/> |
| 2.3 | Significant damage to roof structure. | <input checked="" type="checkbox"/> |
| 2.4 | Significant damage / instability of stairwells or egress ways | <input checked="" type="checkbox"/> |
| 2.5 | Loose or insecure parapets, and / or chimneys, and / or ornamental features. | <input checked="" type="checkbox"/> |
| 2.6 | Loose or insecure debris (bricks, glass etc) | <input checked="" type="checkbox"/> |
| 2.7 | Cladding damaged or veneer dislodged
(Insanitary Building, refer Environmental Health) | <input checked="" type="checkbox"/> |

3 Consequences of Damage

- | | | |
|-----|--|-------------------------------------|
| 3.1 | Protection measures (cordons & barriers) in place around the building post earthquake is impeding public right of ways and / or traffic flows. | <input checked="" type="checkbox"/> |
| 3.2 | Debris from the property are impeding public right of ways and / or traffic flows. | <input type="checkbox"/> |
| 3.3 | Condition of building is posing a risk to other buildings | <input type="checkbox"/> |

DATE OF WORK TO BE COMPLETED BY / / 2011

Minimum 5 working days from date of this inspection

Maximum of 60 days



ENGINEERS RE INSPECTION OF DAMAGED BUILDINGS
 Resulting from Christchurch EARTH QUAKES

Address 601 Colombo Street E 601a

Inspection Engineers Name Paul Campbell

Mobile Phone Number 027 2212990

Date 14/2/2011

Structural Hazards / Damage	Minor / None	Mod	Severe	Comments
Foundations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ground Movement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Roofs, floors (vertical load)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mollet st & rear
Columns, plasters, corbels	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	" "
Diaphragms, horizontal bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	upper level roof members
Pre-cast connections <u>N/A</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	badly damaged
Beam	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	" "
Neighbouring Property Hazards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	serious danger to Mollet st
Non- structural Hazards / Damage				
Parapets, ornamentation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mollet st & Colombo
Cladding, glazing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	" "
Ceilings, light fixtures ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Interior walls, partitions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elevators <u>N/A</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stairs / Exits ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Utilities (eg, gas, electricity, water) ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

General Comments

Wall on Mollet st badly damaged, roof badly damaged
 Interior (upper floor) badly damaged
URGENT CPDRg Report required
 North end (601a) has more damage than 601 but all one
 structure so building as a whole is compromised.

Usability Category

Usability Intensity	Posting	Usability Category	Comment
Light damage Low risk	Inspected (Green)	Ga Occupiable, no immediate further	<input type="checkbox"/>
Demolished		Gb Occupiable, repairs required	<input type="checkbox"/>
		Gc Demolished	<input type="checkbox"/>
Medium damage Medium risk	Restricted Use (White)	Ya Short term entry	<input type="checkbox"/>
		Yb No entry to parts until repaired, risk from adjacent premises or ground failure removed	<input type="checkbox"/>
Heavy damage High Risk	Unsafe (Red)	Ra Significant damage, 'do not enter'	<input checked="" type="checkbox"/>
		Rb At risk from adjacent premises or from ground failure 'do not enter'	<input type="checkbox"/>

URGENT
 loose tin flashing
 down Mollet
 st should be
 removed ASAP
 the wind blows
 them off -
**DANGER to
 PUBLIC!!!**

Protection fencing required Yes / No

Details

DETAILS OF BUILDING DAMAGE

Resulting from Christchurch EARTH QUAKES

601 Colombo Street

1 Type of Damage

Tick Boxes

Note

Choose one of the following (structural damage takes priority over other types of damage):

- | | | |
|-----|---|-------------------------------------|
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<i>or</i> | <input checked="" type="checkbox"/> |
| 1.2 | Damage to parapets, and / or chimneys, and / or ornamental features that may pose a risk to the public and / or adjacent property
<i>or</i> | <input type="checkbox"/> |
| 1.3 | The building has been damaged resulting in potential ingress of water (insanitary building, refer Environmental Health). | <input type="checkbox"/> |
| 1.4 | There is a risk that other property could collapse resulting in injury or death to any persons in the building or to persons on other properties. | <input type="checkbox"/> |

2 Characteristics of Damage

- | | | |
|-----|--|-------------------------------------|
| 2.1 | Significant damage to structural walls, party walls, fire walls and / for structural frame (cracking, bowing, failed connections, spalling). | <input checked="" type="checkbox"/> |
| 2.2 | Significant damage to foundations (cracking, significant settlement). | <input type="checkbox"/> |
| 2.3 | Significant damage to roof structure. | <input checked="" type="checkbox"/> |
| 2.4 | Significant damage / instability of stairwells or egress ways | <input type="checkbox"/> |
| 2.5 | Loose or insecure parapets, and / or chimneys, and / or ornamental features. | <input checked="" type="checkbox"/> |
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| 2.7 | Cladding damaged or veneer dislodged
(Insanitary Building, refer Environmental Health) | <input checked="" type="checkbox"/> |

3 Consequences of Damage

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| 3.1 | Protection measures (cordons & barriers) in place around the building post earthquake is impeding public right of ways and / or traffic flows. | <input checked="" type="checkbox"/> |
| 3.2 | Debris from the property are impeding public right of ways and / or traffic flows. | <input type="checkbox"/> |
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RECOMMENDED FOR WORK TO BE COMPLETED BY / / 2011
 Minimum 5 working days from date of this inspection
 Maximum of 60 days

