

P.G.C Inspection Photos and Locations 16 Sept 2010

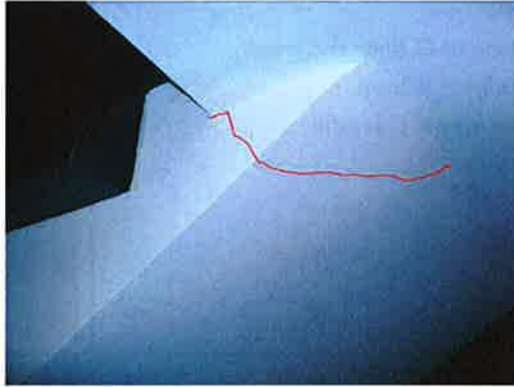


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PGC BUILDING – 233 CAMBRIDGE TCE – CHRISTCHURCH




The following photographic survey relates cracking in concrete wall and stair elements to observations made in site reports and gives general building location for these photographs. Crack patterns have been highlighted in red. Original base photographs have been supplied separately.

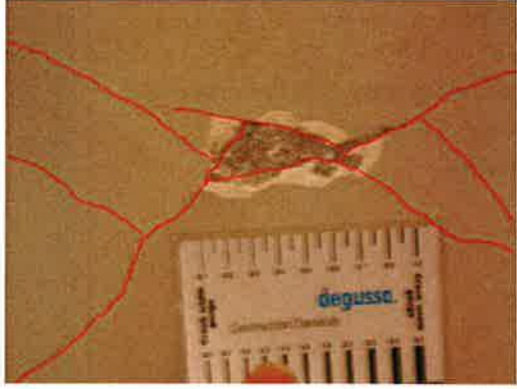
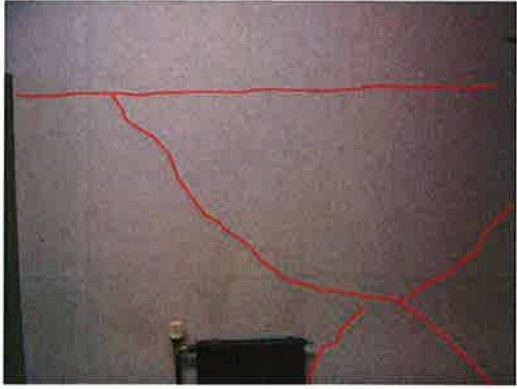

Photos were taken on 16 September 2010. The summary table below has been prepared during April/May 2011 from recollection of crack locations and damage observed on 16 September 2010.




Photographic Summary of Primary Damage Observed – 16 Sept 2010


Damaged Item	Example
<p>Photo 001</p> <p>Minor cracking to underside stairs to L1 Typically $\leq 0.2\text{mm}$</p>	
<p>Photo 002</p> <p>Cracking to G floor shear wall Typically $\leq 0.2\text{mm}$</p>	
<p>Photo 003</p> <p>Cracking to G floor shear wall Typically $\leq 0.2\text{mm}$</p>	

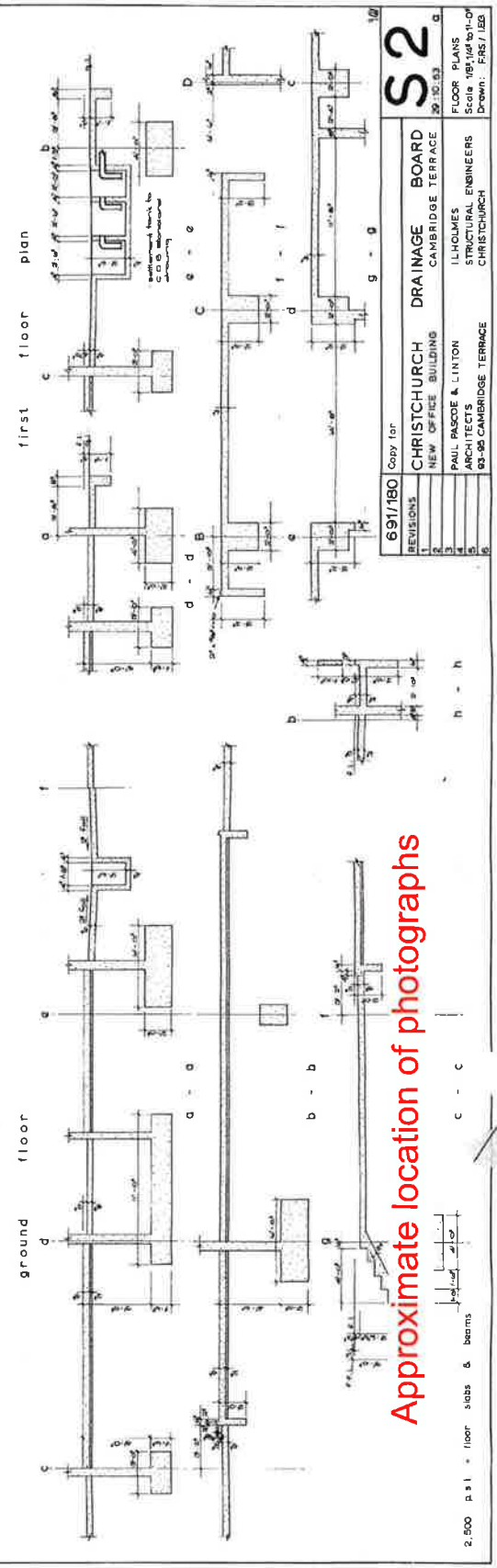
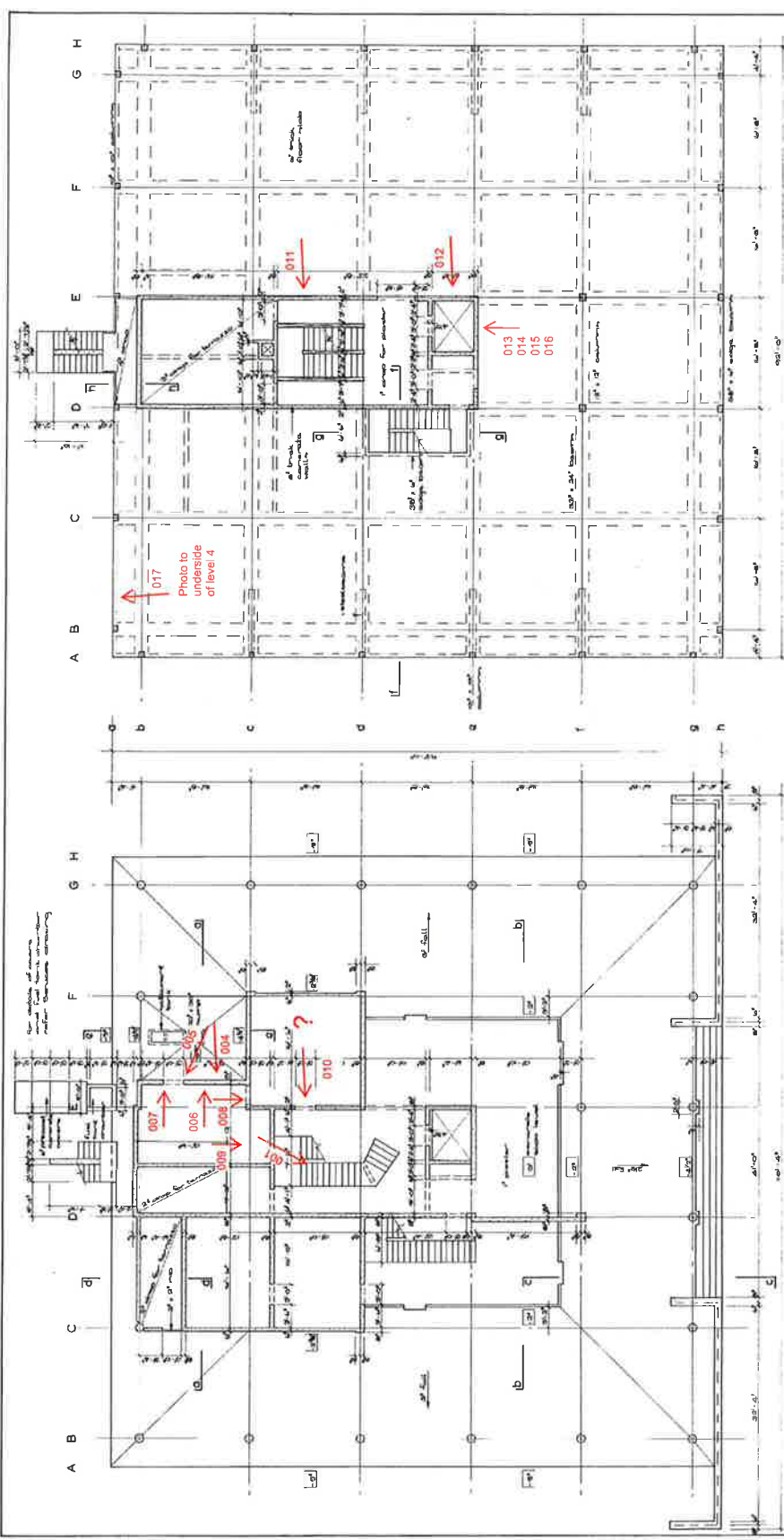
Damaged Item	Example
<p>Photo 004</p> <p>Cracking to G floor shear wall Typically $\leq 0.2\text{mm}$ Shaded area is Gib infill</p>	 A close-up photograph of a wall with a red crack. A red shaded area is visible, indicating Gib infill. The crack runs diagonally across the wall.
<p>Photo 005</p> <p>Cracking to G floor shear wall Typically $\leq 0.2\text{mm}$ Shaded area is Gib infill</p>	 A photograph of a wall with a red crack. A red shaded area is visible, indicating Gib infill. A doorway is visible in the background.
<p>Photo 006</p> <p>Rear of shear wall showing Gib infill Plantroom</p>	 A photograph showing the rear of a shear wall in a plantroom. The wall is covered in white Gib infill. A red shaded area is visible, indicating Gib infill.
<p>Photo 007</p> <p>Cracking to G floor shear wall Typically $\leq 0.2\text{mm}$ Plant room</p>	 A photograph of a wall in a plant room with a red crack. A red shaded area is visible, indicating Gib infill. A red and white striped warning sign is visible in the foreground.

Damaged Item	Example
<p>Photo 008</p> <p>Horizontal cracking to G floor shear wall Typically $\leq 0.3\text{mm}$ Plant room</p>	 A photograph of a white wall in a plant room. A horizontal crack is visible, highlighted with a red line. The crack is slightly irregular and runs across the width of the wall. A metal pipe is visible at the top of the wall, and a piece of equipment is at the bottom.
<p>Photo 009</p> <p>Horizontal cracking to G floor shear wall Typically $\leq 0.3\text{mm}$ Plant room</p>	 A photograph of a white wall in a plant room. A horizontal crack is visible, highlighted with a red line. The crack is located near a large, dark-colored pipe that runs diagonally across the wall. In the background, there are red fire extinguishers and other equipment.
<p>Photo 010</p> <p>Shear crack to G floor shear wall Typically $\leq 0.2\text{mm}$</p>	 A close-up photograph of a white wall. A shear crack is visible, highlighted with a red line. The crack starts at the top, runs diagonally down, then horizontally, and finally vertically down towards the bottom right corner.

Damaged Item	Example
<p>Photo 011</p> <p>Cracking to L1 shear wall Typically $\leq 0.2\text{mm}$</p>	
<p>Photo 012</p> <p>Cracking to L1 shear wall Typically $\leq 0.2\text{mm}$</p>	
<p>Photo 013</p> <p>Cracking to L1 shear wall in storeroom Crackwidths between 0.2mm – 0.6mm At Lift Core Wall</p>	

Damaged Item	Example
<p>Photo 014</p> <p>Cracking to L1 shear wall in storeroom Crackwidths between 0.2mm – 0.6mm At Lift Core Wall</p>	
<p>Photo 015</p> <p>Cracking to L1 shear wall in storeroom Crackwidths between 0.2mm – 0.6mm At Lift Core Wall</p>	
<p>Photo 016</p> <p>Cracking to L1 shear wall in storeroom Crackwidths between 0.2mm – 0.6mm At Lift Core Wall</p>	

Damaged Item	Example
<p data-bbox="276 327 391 353">Photo 017</p> <p data-bbox="276 405 703 506">Corrosion induced cracking/spalling of spandrel panels Typical panel damage shown</p>	



Approximate location of photographs

691/180 Copy for	
REVISIONS	BOARD
1	CHRISTCHURCH DRAINAGE BOARD
2	NEW OFFICE BUILDING
3	PULL PASCOE & LINTON
4	ARCHITECTS
5	95-98 CAMBRIDGE TERRACE
6	CHRISTCHURCH
7	STRUCTURAL ENGINEERS
8	ILHOLMES
9	FLOOR PLANS
10	Scale 1/8" = 1'-0"
11	Drawn: FR5 / JEB

S2