

**STATEMENT OF EWAN ROBERT CARR**

1. My full name is Ewan Robert Carr.
2. I was a tenant on level 4 of the Forsyth Barr building from June 2010. After the 4 September 2010 earthquake, I relocated over a period of weeks to level 10.
3. I am not a structural engineer, but I have been involved in a considerable amount of construction and general engineering (steel/concrete) including building bridges, dairy sheds, houses and multi-storey buildings. I have also been involved in steel sub-framing for earthquake strengthening in stone building restoration.

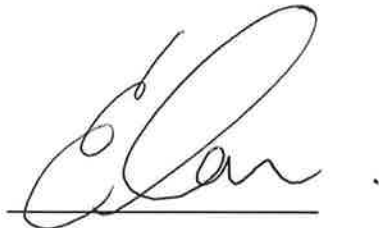
**Observation of stairs after the 4 September earthquake**

4. There were two flights of stairs in the Forsyth Barr building. There was a separate entrance to each flight from the ground floor. One could be entered from a door to the left (the north eastern side) as you walked through the foyer, and one from a door to the right (the south western side).
5. After the 4 September 2010 earthquake, I saw cracking in some parts of the flights of stairs which could be entered from the door on the left from the ground floor to the tenth floor.
6. Over a period of about 2 or 3 weeks after the 4 September earthquake, I went up and down the stairs between the ground floor and level 10. I did this about 3 times to move boxes and furniture up to level 10.
7. I refer to figure 4.3 in the report from Beca [**BUI.COL764.0003.15**].
8. In some cases, the covering on the floor on the landing was cracked. It was possible to pull the covering back and look down and see cracks.
9. I also saw that the stairs had dropped as can be seen in **WIT.CAM.0004.9**.
10. It was also possible to look up and see cracks on the underside of the same unit and this was typical of what I observed on numerous floors.
11. This type of cracking can be seen in a photographs **WIT.CAM.0004.10** and **WIT.CAM.0004.11**.



12. The observed fractures ranged from barely separated to openings that would have been 3-4mm (and perhaps a little more in some cases) and there was everything in between.
13. The cracking of 3-4mm or a little more in some cases was more common on the underside of the units. The cracking which was visible from the top was smaller. However, in some places I pulled back the lino and the fractures were sufficiently open that you could shine a head lamp into the crevasse.
14. Given the position of the cracks on the top and the underside of the units, it appeared to me that the cracks ran right through the concrete.
15. From my recollection, this type of cracking was observed in at least 7 of the 10 floors between the ground and level 10.
16. I approached Ilse Cameron on 2 occasions expressing my concern and asked her to relay it to the building manager which I understand she did.
17. I subsequently saw the cracks being gibbed. I expressed some concern to the gib stopper that some more substantial repairs were not being done.

DATED: 22 February 2012

A handwritten signature in black ink, appearing to read 'E Carr', written over a horizontal line. The signature is stylized and cursive.

**EWAN ROBERT CARR**