

**UNDER**

**THE COMMISSIONS OF INQUIRY ACT 1908**

**IN THE MATTER OF**

**ROYAL COMMISSION OF INQUIRY INTO BUILDING  
FAILURE CAUSED BY CANTERBURY  
EARTHQUAKES**

**KOMIHANA A TE KARAUNA HEI TIROTIRO I NGA  
WHARE I HORO I NGA RUWHENUA O WAITAHA**

**AND IN THE MATTER OF**

**THE CTV BUILDING COLLAPSE**

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**STATEMENT OF EVIDENCE OF ANDREW RUSSELL DICKSON  
IN RELATION TO THE CTV BUILDING**

**DATE OF HEARING: COMMENCING 25 JUNE 2012**

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## STATEMENT OF EVIDENCE OF ANDREW RUSSELL DICKSON IN RESPECT OF THE CTV BUILDING

1. My full name is Andrew Russell Dickson. I reside in Auckland. I am a Technical Director in the Auckland Civil Structures section of Beca Infrastructure Ltd.

### **Qualifications and experience**

2. I graduated with a BE(Civil) with First Class Honours from the University of Auckland in 1980 and a PhD (Civil Engineering) from the University of Auckland in 1987.
3. I am a member of the Institution of Professional Engineers New Zealand, the New Zealand National Society of Earthquake Engineering, the New Zealand Structural Engineering Society and the New Zealand Concrete Society.
4. Since 1986 I have worked as a structural engineer in a consulting engineering environment, mainly in New Zealand, but also in Malaysia. In the first ten years of my career I gained design experience on a wide variety of structures including buildings, industrial structures and civil engineering structures. Since 1997 I have worked mainly in a design manager or structural team leader role on major bridge projects. I have always maintained a strong technical focus, and currently much of my time is spent reviewing and verifying structural designs produced in my section.

### **Purpose of evidence**

5. I have been asked to give evidence of an assessment that I carried out for the Royal Commission of the tension capacities of the steel drag bars, including their associated wall anchors and slab anchors, connecting the fourth, fifth and sixth floors to the north core shear walls of the CTV Building.

### **Conduct for expert witnesses**

6. I have been advised that expert witnesses giving expert evidence to the Royal Commission are required to comply with the Code of Conduct for expert witnesses.
7. I confirm that I have read the Code and agree to comply with it. I believe that the evidence that I give is within my area of expertise.

### **Evidence**

8. I now refer to and produce my report dated 1 June 2012.

Signed: ARDickson

Dated: 11/6/12.