

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

SECOND STATEMENT OF EVIDENCE OF GRAHAM FROST IN RELATION TO
THE CTV BUILDING

DATE OF HEARING:

**SECOND STATEMENT OF EVIDENCE OF GRAHAM FROST IN RELATION TO
THE CTV BUILDING**


1. My full name is Graham Edward Frost. I have previously provided a statement of evidence to the Royal Commission in relation to the CTV Building [WIT.FROST.0001].
2. This second statement of evidence covers observations I made during a visit to the remains of the CTV Building at Burwood, Christchurch, on 28 June 2012 with Robert Heywood.
3. I have read the second statement of evidence of Dr Heywood [WIT.HEYWOOD.0002]. This reflects our joint observations at the site, however I wish to add the following matters:

North Core

4. At Burwood both Dr Heywood and I thought that we saw crushed remnants, including partial reinforcement cages, from the South Coupled Shear Wall. However since our visit to Burwood I have studied the reinforcing details on the drawings for the CTV Building S11, S12 and S13 [BUI.MAD249.0284.12-14] and now believe that the rebar cage sections are more likely to have come from the North Core. This is supported by the presence of embedded components for elevator guides near the cages.
5. This means we could not identify any of the remains as being from the specimens Dr Heywood and I had set aside at the CTV site in the days after the collapse.

Beams

6. I took two photographs of the ends of internal beams which were typical of what I observed at Burwood and what I observed at the Building collapse site [BUI.MAD249.0501]. The wings at the ends of the beams are missing. The photographs also show how narrow the remaining section of curved, formed end face is.

Signed: 

Graham Frost

Date: 10 July 2012