

## New Brighton Catholic School (100 Lonsdale Street)



Block 2 (Classrooms 5 & 6)

During the course of the yet to be completed detailed engineering evaluation (DEE) of New Brighton Catholic School, the structural engineers from Opus International Consultants determined Block 2 to be earthquake prone. This building therefore required strengthening in order to meet appropriate building standards.

The structural engineers alerted the Catholic Diocese of Christchurch to this preliminary finding and the Diocese determined Block 2 was to be closed for occupancy forthwith.

The following actions have been undertaken:

1. Hann Construction attended the site from Thursday 4<sup>th</sup> - Tuesday 9<sup>th</sup> October 2012 to undertake the appropriate bracing work that the structural engineers from Opus International detailed and specified.

2. The strengthening scheme involved:

- a) The installation of 11 internal plywood bracing panels which will improve the buildings bracing lines.



- b). The installation of an external timber and steel truss.



3. This bracing work has improved the seismic capacity of Block 2 to 38% of the new building standard.
4. Now that this bracing has been completed, Block 2 is no longer be considered earthquake prone and will be able to be re-occupied for teaching and learning.
5. Following the completion of this temporary bracing work the Diocese will include Block 2 in its diocesan-wide budgeting process for providing a permanent and more cosmetically pleasing strengthening solution for all buildings, in all schools, to a seismic capacity >67%NBS.

**Mike Nolan**  
**Manager**  
**Catholic Education Office**  
**10<sup>th</sup> October 2012**