



**Owner :** Grocon Constructions Pty Ltd  
**Engineering consultant :** Connell Mott McDonald Pty Ltd

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**Subsidiary(ies) :** Freyssinet Australia

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**Beginning of works :** 04/2003  
**End of works :** 12/2005

#### Description of the work :

This project involved major redevelopment works to the Melbourne Cricket Ground's Northern Stand, which was a five-stage project worth over \$430 million, \$77 million of which was contributed by the State Government. The project was completed in due time for the 2006 Commonwealth Games, delivering significant improvements to spectator's sightlines, new change rooms, coach boxes, improved amenities such as toilets, food and beverage outlets, new lifts and escalators as well as improved tenant club and supporter facilities. The structure consisted of steel works supported by large post-tensioned beams. Circumferential and radial beams were typically stressed by multi-strand tendons. Beam depths varied from 0.8m to 2.5m deep, with spans typically 9m between supports. The stressing sequence for this project worked in conjunction with the installation of the steel works and the concrete panels.

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#### Freyssinet mission :

Grocon Construction awarded Freyssinet Australia with the conforming contract in 2002 with completion in 2006. Freyssinet Australia worked closely with Grocon and the Consulting Engineers for the project Connell Mott MacDonald to ensure that detailed stressing sequencing and details were able to be built. Freyssinet Australia was also given responsibility to design and document the Podium areas of stage 1, which allowed for 15kPa live loading.

