

18th March 2008

AUBURN HOSPITAL REDEVELOPMENT – PROPOSED COMMUNICATIONS TOWER

Structural Design Statement

The tower is designed as steel moment resisting spaceframe. Lateral forces are resisted by vierendeel action between the columns and the platform beams.

In addition to gravity loads, the structure is designed to resist wind and earthquake loads in accordance with the relevant Australian Standards.

Australian Standards include:

AS1170.1	Permanent, Imposed & Other Actions
AS1170.2	Wind Actions
AS1170.4	Earthquake Actions
AS4100	Steel Structures

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