

CARDINAL FREEMAN VILLAGE

Supporting Documentation

Appendix AP

Structural & Geotechnical Assessment

Prepared by **Robert Bird Group**



RobertBirdGroup

Reference PA:CS CER/S 09162

10th September 2009

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Attention: Mr. Jon Spencer

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Dear Sir

RE: CARDINAL FREEMAN VILLAGE, ASHFIELD – VILLAGE GREEN PRECINCT

This is to certify that we have been commissioned by Aevum Health to carry out structural design on the above project.

We certify that the structural design will be checked by a corporate engineer who will not be involved in the original design. This check will ensure conformance of the design with Australian Standards and Codes relevant to the structural component, as referenced in the Building Code of Australia (BCA), and accepted engineering principles.

Robert Bird Group has been advised by the project's BCA consultant, BCA Logic, that the BCA does not require refurbishment of the chapel to comply with the current Australian earthquake design standard, AS1170.4 "Structural Design Actions Part 4: Earthquake Design Actions in Australia". Further to this, BCA Logic have advised that the BCA does not require the refurbished chapel to have structural adequacy to carry robustness loads as specified in the current Australian loading code AS1170.0 "Structural Design Actions Part 0: General Principles". Such non-compliance with current earthquake and robustness design loads as per the Australian Standards is typical of refurbished heritage structures. Although the refurbished Chapel will not meet these current design standards and nor is it required to based on the BCA Consultant's advice, the structural design is such that structural capacity under lateral earthquake loading will not be reduced below the current pre-refurbished load resisting capacity.

Yours faithfully

PAUL AUSTIN
Signing for and on behalf of
ROBERT BIRD GROUP PTY LTD