

REF: 159574

Registered as ADVANCED BUILDING ENGINEERS PTY LTD ACN 120 673 832 ABN 63 120 673 832
CONSULTING CHARTERED ENGINEERS

08/10/2015

AA Fencing

Dear Adam,

Advanced Building Engineers Pty Ltd
Unit 2/50 Oxford Close
West Leederville, WA 6007
T 08 9382 8888 F 08 9381 9999
info@abewa.com.au
www.abewa.com.au**RE: Ally Wall Certification for retaining wall height up to 600mm**

We have checked the design of the 47mm wide x 150mm deep Ally Wall made from 1.4mm aluminium with 0.1mm thick two aluminum wall panels as middle support for using as retaining walls (maximum 600mm retaining height). The detail of Ally Wall refers to attached detail drawing.

Spanning 2.4m a 150mm wide panel was tested on site by AA fencing for maximum retaining height of 600mm and the results have been reported that there is no noticeable deflection upon the application of soil load without surcharge (from vehicle wheel load on the retaining back fill) as the panel profile is thick with cross brace through the middle.

Panel length between posts – 2370mm
Walls 2 to 4 Ally wall high (294 – 591mm) to have SHS 50x50x1.6mm posts in between standard fence channel posts.

Install in accordance with AA Fencing instructions.
Backfilling material against walls should be of gravel or crushed recycled concrete.

Therefore, we hereby certify that the aluminium panel is suitable to use for retaining wall height up to 600mm.

Yours sincerely



Robert David
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Design Consulting Engineer
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