

9th February 2009

Mr Ted Stubbersfield
Outdoor Structures Australia
PO Box 517
Gatton QLD 4343

Dear Sir,

**SERVICE LIFE FOR TIMBER FOOTING DETAIL-
Dwg No's 06-57 L 6x6**

In accordance with your recent request, we offer the following opinion in respect of the estimated service life for the details, species etc given in the above drawings.

A 192x192 F17, In-ground Durability Class 1 hardwood would have an expected service life (strength basis) of approximately 30 years in in-ground Climate Zone C (South East coastal Queensland). In addition, the inclusion of a diffusion preservative bandage as indicated at the time of installation would be expected to add an additional service life of at least 5 years.

We would also recommend that normal termite inspection and management for timber used in-ground contact be undertaken in accordance with AS 3660.1. This could potentially increase the service life further.

Our opinions and estimates are based upon experience and reference to the following:-

1. Durability Design Guide - FWPA 2007
2. TimberLife Education Software - FWPA 2007
3. AS 5604 - 2005 - Timber - Natural durability ratings and
4. Construction Timbers in Queensland - DPI&F 2006

Yours faithfully,



Colin MacKenzie
Manager Timber Application and Use



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