## **MONASH** University



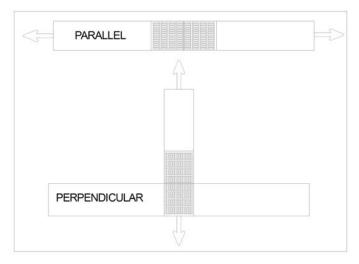
1 December 2014

Wilmaplex Pty Ltd. 57 Lathams Road, Carrum Downs, Vic 3201

Mr Graham storey

## RE/ Wilmaplex Tap-in Plates Design Capacity

is confirm This that Wilmaplex commissioned Monash University to undertake the task evaluating the design capacity of G300 Z275 tap-in plates (TIP45100 TIP45250, to TIP70100 to TIP70250 and TIP90100 to TIP90250); the design capacities for parallel and perpendicular directions are given in Table 1. Refer to report Job no.: Wilmaplex/14/002, Report



14/013 dated 1/12/2014 for more details.

Table 1 Limit states design capacities for Wilmaplex tap-in plates

	Design load capacity $N_i$ (N) per nail for timber joint group:
Load Direction	Dry timber
	JD4
Parallel	130
Perpendicular	95

Note that a capacity factor  $\phi = 0.85$  and a duration factor  $k_1 = 0.57$  for permanent load was applied to all the capacities in Table 1.

Dr Con Adam Senior Research Fellow Monash University/Civil engineering