MONASH University

28 January 2015

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

RE/ Wilmaplex Mini Grip MG57 Design Capacity

This is to confirm that Wilmaplex commissioned Monash University to undertake the task of evaluating the design capacity of G300 Z275 Mini Grips MG57. The evaluation was carried out via testing and computations based on 3.15x35mm Wilmaplex galvanized flat head nails which were manually driven. The design capacities for a pair of Mini Grips are given in Table 1. Refer to report Job no.: Wilmaplex/15/004, Report 15/006 dated 28/01/2015 for more details.

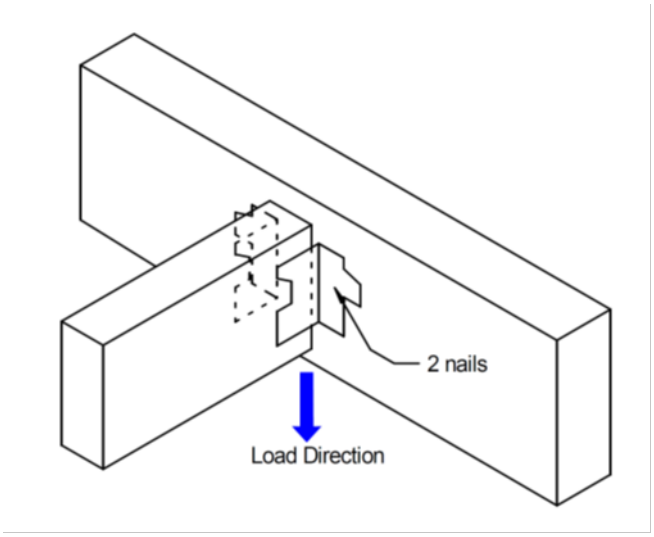

Figure 1 Details of Mini Grip G57

Notes:

1. *A capacity factor $\phi = 0.85$ and a duration factor $k_1 = 1.14$ for wind uplift loading was applied to all the capacities in Table 1.*
2. *The values in Table 1 apply to Category 1 joints, design capacities for joint groups 2 and 3 are 0.94 and 0.88 consecutively.*
3. *Computations were undertaken in accordance with the relevant Standards, AS1720, AS/NZS1170 series and AS4055.*

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Table 1 Limit states design capacities for a <u>PAIR</u> of Wilmaplex Mini Grip MG57

Mini Grip Code	Fixing (Nails) for a pair of Mini grips	1.35G Dead Load (kN)	$1.2G+1.5Q_f$ Dead + Floor Live Load	Wind Uplift (k_1=1.14)
		design Capacity (kN) for Joint Group JD4		
MG57	4	1.6	2.1	3.1