

Test Results

To:	Mark Benson	From:	Bruce Davy
Organisation:	Hautapu pine	Subject:	House Pile Testing
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Mark,

With reference to the 125 x 125 square sawn, steamed Radiata pine house piles supplied for proof testing in accordance with NZS 3605:2001. The piles were tested for proof load bending strength in accordance with NZS3605:2001 over a span of 1200mm (Figure 1) to a proof load of 40kN (6kNm). To comply, the piles must hold the proof load for at least 10 seconds. Moisture content at the time of test must be greater than 25%.

All the bending testing was undertaken in our Grade 1 Baldwin Universal test machine in the Scion Timber Engineering laboratory between the 24th June 2024 and 29th June 2024.

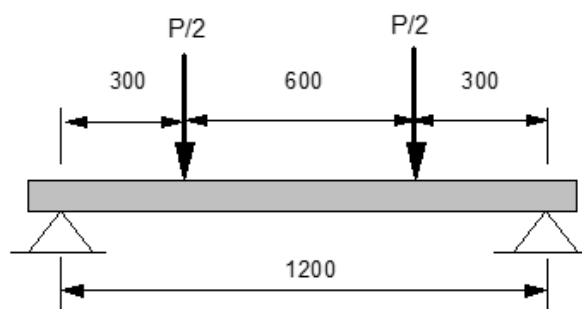
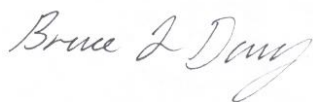


Figure 1. Bending test configuration

NZS3605:2001 Appendix A. states that the failure rate shall not be greater than 5% i.e. not more than 5 piles from a batch of 100 piles may fail the proof load test.

In this case, there were no (zero) piles failed after testing 100 piles, i.e. a failure rate of zero %. Thus, the batch of piles passed the proof load test. See Table 1 for the test results.

Please free to contact me to discuss as necessary.



Bruce Davy

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